

Subject: Re: EHP commentary on GBHs

From: Charles Benbrook <[REDACTED]>

Date: 1/13/2016 11:27 AM

To: Laura Vandenberg <lvandenberg@schoolph.umass.edu>, Bruce Blumberg <blumberg@uci.edu>, Bruce Lanphear <bpl3@sfu.ca>

CC: Pete Myers <JPMyers@ehsic.org>, Fred vom Saal <vomsaalf@missouri.edu>, Wade Welshons <WelshonsW@missouri.edu>, Philip Landrigan <phil.landrigan@mssm.edu>, Michael Antoniou <michael.antoniou@kcl.ac.uk>, "Michael Hansen Ph.D." <mhansen@consumer.org>, Robin Mesnage <[REDACTED]>, Patrick Holden <patrick@sustainablefoodtrust.org>, Lorne Everett <LEverett@everettassociates.net>, Lynn Carroll <[REDACTED]>

Laura --

Nice job. I made a few corrections on Bruce Lanphear's copy, see attached.

[REDACTED]

Laura -- [REDACTED]

[REDACTED]

Any news re timing of the EH paper??

Chuck

Charles Benbrook
Benbrook Consulting Services
90063 Troy Road
Enterprise, Oregon 97828
Main: 541-828-7918 (always forwarded to cell)
[REDACTED]

<In the interests of privacy, PLEASE DO NOT use my old WSU email anymore>

On Mon, Jan 11, 2016 at 11:53 AM, Bruce Lanphear <bpl3@sfu.ca> wrote:

Laura, Bruce and others:

I have made a few recommended edits on the attached draft. They are all minor.

I am fine with the order of authorship.

Cheers,

Bruce

----- Original Message -----

From: "Laura Vandenberg" <lvandenberg@schoolph.umass.edu>

To: "Charles Benbrook" <[REDACTED]> "Pete Myers" <JPMyers@ehsic.org>, "Bruce Lanphear" <blanphear@sfu.ca>, "Fred vom Saal" <vomsaalf@missouri.edu>, "Wade Welshons" <WelshonsW@missouri.edu>, "Philip Landrigan" <phil.landrigan@mssm.edu>, "Bruce Blumberg" <blumberg@uci.edu>, "Michael Antoniou" <michael.antoniou@kcl.ac.uk>, "Michael Hansen Ph.D." <mhansen@consumer.org>, "Robin Mesnage" <[REDACTED]>, "Patrick Holden" <patrick@sustainablefoodtrust.org>, "Lorne Everett" <LEverett@everettassociates.net>, "Lynn Carroll" <[REDACTED]>

Sent: Sunday, January 10, 2016 6:51:55 PM

Subject: EHP commentary on GBHs

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Tel: 413.577.7405
lvandenberg@schoolph.umass.edu

—Attachments:

CMB_2016-0110 GBH assessment EHP bpl.docx

124 KB

Subject: Re: REMINDER: EHP commentary on GBHs

From: "Antoniou, Michael" <michael.antoniou@kcl.ac.uk>

Date: 1/20/2016 10:03 AM

To: Laura Vandenberg <lvandenberg@schoolph.umass.edu>

CC: Charles Benbrook <[REDACTED]> Bruce Blumberg <blumberg@uci.edu>, Bruce Lanphear <bpl3@sfu.ca>, Pete Myers <JPMyers@ehsic.org>, Fred vom Saal <vomsaalf@missouri.edu>, Wade Welshons <WelshonsW@missouri.edu>, Philip Landrigan <phil.landrigan@mssm.edu>, "Michael Hansen Ph.D." <mhansen@consumer.org>, Robin Mesnage <[REDACTED]> Patrick Holden <patrick@sustainablefoodtrust.org>, Lorne Everett <LEverett@everettassociates.net>, Lynn Carroll <[REDACTED]>

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Sent from my iPhone

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Web: <https://www.kcl.ac.uk/lsm>

Skype: [REDACTED]



On 20 Jan 2016, at 09:00, Laura Vandenberg <lvandenberg@schoolph.umass.edu> wrote:

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Subject: EHP commentary on GBHs-Edits

From: "Vomsaal, Frederick S." <VomsaalF@missouri.edu>

Date: 1/21/2016 10:58 AM

To: Laura Vandenberg <lvandenberg@schoolph.umass.edu>

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FVS-CMB_2016-0121 GBH assessment EHP bpl.docx

107 KB

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Pete et al --

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Obviously, please do not share this.

Pete, any word re timing with Environmental Health?

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Proof_GLY_Use_1-22-16.pdf

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101 Truman Ave.
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o: 914-378-2452
c: [REDACTED]

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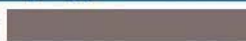
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Chuck

I'm having a rather quiet day today and therefore had opportunity to read through the manuscript. I really like it. It is clear, powerful and not overstated bravo I'm glad that it is finally going to appear in print.

All best

Phil Landrigan

Philip J. Landrigan, MD, MSc, FAAP
Dean for Global Health
Arnhold Institute for Global Health
Professor of Preventive Medicine & Pediatrics
Icahn School of Medicine at Mount Sinai
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My revisions / suggestions in addition to or in response to those of others is attached.

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Subject: Re: REMINDER: EHP commentary on GBHs

Hi Laura

I am of course very happy to be co author on this revised EHP submission.

I'll try and get comments to you by the end of this coming weekend.

Many thanks to you and Bruce for taking this initiative

Michael

Sent from my iPhone

Dr Michael Antoniou

Head: Gene Expression and Therapy Group

King's College London

Faculty of Life Sciences & Medicine

Department of Medical and Molecular Genetics

8th Floor, Tower Wing

Guy's Hospital

Great Maze Pond

London

SE1 9RT, UK

Tel: +44 (0)20 7188 3708

Fax: +44 (0)20 7188 2585

Email: michael.antoniou@kcl.ac.uk

Web: <https://www.kcl.ac.uk/lsm>

Skype: [REDACTED]

On 20 Jan 2016, at 09:00, Laura Vandenberg <lvandenberg@schoolph.umass.edu> wrote:

Just a reminder to send me comments on the manuscript by 1/23. I have not heard from Michael Antoniou or Michael Hansen, and have only received a brief email from Fred. If I have missed your edits/comments, please re-send. I need to have a confirmation in writing that you agree to be an author.

Best,

Laura

Laura N. Vandenberg, PhD

Assistant Professor

University of Massachusetts - Amherst

School of Public Health & Health Sciences

Department of Environmental Health Science

686 N. Pleasant Street

149B Goessmann

Amherst, MA 01003

Tel: 413.577.7405

lvandenberg@schoolph.umass.edu

From: Charles Benbrook [REDACTED]

Sent: Wednesday, January 13, 2016 2:27 PM

To: Laura Vandenberg; Bruce Blumberg; Bruce Lanphear

Cc: Pete Myers; Fred vom Saal; Wade Welshons; Philip Landrigan; Michael Antoniou; Michael Hansen Ph.D.; Robin Mesnage;

Patrick Holden; Lorne Everett; Lynn Carroll

Subject: Re: EHP commentary on GBHs

Laura --

Nice job. I made a few corrections on Bruce Lanphear's copy, see attached.

[REDACTED]
Laura -- [REDACTED]

Any news re timing of the EH paper??

Chuck

Charles Benbrook

Benbrook Consulting Services

90063 Troy Road

Enterprise, Oregon 97828

Main: 541-828-7918 (always forwarded to cell)

[REDACTED]
<In the interests of privacy, PLEASE DO NOT use my old WSU email anymore>

On Mon, Jan 11, 2016 at 11:53 AM, Bruce Lanphear <bpl3@sfu.ca> wrote:

Laura, Bruce and others:

I have made a few recommended edits on the attached draft. They are all minor.

I am fine with the order of authorship.

Cheers,

Bruce

----- Original Message -----

From: "Laura Vandenberg" <lvandenberg@schoolph.umass.edu>

To: "Charles Benbrook" <[REDACTED]>, "Pete Myers" <JPMyers@ehsic.org>, "Bruce Lanphear" <blanphear@sfu.ca>, "Fred vom Saal" <vomsaalf@missouri.edu>, "Wade Welshons" <WelshonsW@missouri.edu>, "Philip Landrigan" <phil.landrigan@mssm.edu>, "Bruce Blumberg" <blumberg@uci.edu>, "Michael Antoniou" <michael.antoniou@kcl.ac.uk>, "Michael Hansen Ph.D." <mhansen@consumer.org>, "Robin Mesnage" <[REDACTED]>, "Patrick Holden" <patrick@sustainablefoodtrust.org>, "Lorne Everett" <LEverett@everettassociates.net>, "Lynn Carroll" <[REDACTED]>

Sent: Sunday, January 10, 2016 6:51:55 PM

Subject: EHP commentary on GBHs

Hi Everyone,

[REDACTED]

[REDACTED] Please let me know if you are okay with this.

[REDACTED]

[REDACTED] Please also re-confirm your willingness to be an author.

There is no guarantee that EHP will re-review this piece (or review it as if it is a new submission.) But considering the time we have spent on it over an almost 2 year period, it seems worth a try.

Best,

Laura

Laura N. Vandenberg, PhD

Assistant Professor

University of Massachusetts – Amherst

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Attachments:

M KH-FVS-CM B_2016-0121 GBH assessment EHP bpl_M A.docx 135 KB

Subject: EH Paper, My Glyphosate Use Paper

From: Charles Benbrook <[REDACTED]>

Date: 1/27/2016 9:58 AM

To: Pete Myers <jpmyers@ehsic.org>, "Hansen Michael Ph.D." <mhansen@consumer.org>, Michael Antoniou <michael.antoniou@kcl.ac.uk>, robin mesnage <[REDACTED]> Philip Landrigan <phil.landrigan@mssm.edu>, Laura Vandenberg <lvandenberg@schoolph.umass.edu>, Fred vomsaal <VomsaalF@missouri.edu>, Bruce Lanphear <bpl3@sfu.ca>, Bruce Blumberg <blumberg@uci.edu>, Lynn Carroll <[REDACTED]>

CC: Charles Benbrook <[REDACTED]>

Pete et al --

[REDACTED]

Thanks to M. Antonio and Bill Freese for catching some last minute problems.

[REDACTED]

[REDACTED]

Ditto Laura re the EHP piece??

Chuck

Charles Benbrook
Benbrook Consulting Services
90063 Troy Road
Enterprise, Oregon 97828
Main: 541-828-7918 (always forwarded to cell)

[REDACTED]
<In the interests of privacy, PLEASE DO NOT use my old WSU email anymore>

Subject: Re: EHP commentary on GBHs

From: Charles Benbrook <[REDACTED]>

Date: 2/2/2016 7:38 AM

To: Pete Myers <JPMyers@ehsic.org>

CC: robin mesnage <[REDACTED]> Bruce Blumberg <blumberg@uci.edu>, Bruce Lanphear <bpl3@sfu.ca>, Lorne Everett <LEverett@everettassociates.net>, Laura Vandenberg <lvandenberg@schoolph.umass.edu>, "Michael Hansen Ph.D." <mhansen@consumer.org>, Michael Antoniou <michael.antoniou@kcl.ac.uk>, Patrick Holden <patrick@sustainablefoodtrust.org>, Philip Landrigan <phil.landrigan@mssm.edu>, Lynn Carroll <[REDACTED]> Fred vom Saal <vomsaalf@missouri.edu>, Wade Welshons <WelshonsW@missouri.edu>

Pete et all --

The glyphosate use paper is out, and online. Attached. It looks really really good. Media off to excellent start.

Online -- <http://www.enveurope.com/content/pdf/s12302-016-0070-0.pdf>

Chuck

Charles Benbrook
Benbrook Consulting Services
90063 Troy Road
Enterprise, Oregon 97828
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[REDACTED]
<In the interests of privacy, PLEASE DO NOT use my old WSU email anymore>

On Mon, Jan 11, 2016 at 3:26 PM, <JPMyers@ehsic.org> wrote:

I agree with Robin. Thank you.

From: robin mesnage <[REDACTED]>
To: Bruce Lanphear <bpl3@sfu.ca>
Cc: Laura Vandenberg <lvandenberg@schoolph.umass.edu>, Bruce Blumberg <blumberg@uci.edu>, Charles Benbrook <[REDACTED]> Pete Myers <JPMyers@ehsic.org>, Fred vom Saal <vomsaalf@missouri.edu>, Wade Welshons <WelshonsW@missouri.edu>, Philip Landrigan <phil.landrigan@mssm.edu>, Michael Antoniou <michael.antoniou@kcl.ac.uk>, "Michael Hansen Ph.D." <mhansen@consumer.org>, Patrick Holden <patrick@sustainablefoodtrust.org>, Lorne Everett <LEverett@everettassociates.net>, Lynn Carroll <[REDACTED]>
Date: 01/11/2016 04:30 PM
Subject: Re: EHP commentary on GBHs

Dear Laura and Bruce,

I really like this new version of the manuscript, very clear and straightforward,

Of course I am still willing to be a co-author,

Thank you for your efforts for resurrecting this manuscript, I thought it was buried for ever!

The best,

Robin.

--

Dr. Robin Mesnage

Gene Expression and Therapy Group
King's College London, Faculty of Life Sciences & Medicine
Department of Medical and Molecular Genetics
8th Floor Tower Wing
Guy's Hospital
Great Maze Pond
London SE1 9RT, UK.

On 11 January 2016 at 19:53, Bruce Lanphear <bpl3@sfu.ca> wrote:
Laura, Bruce and others:

I have made a few recommended edits on the attached draft. They are all minor.

I am fine with the order of authorship.

Cheers,

Bruce

----- Original Message -----

From: "Laura Vandenberg" <lvandenberg@schoolph.umass.edu>

To: "Charles Benbrook" [REDACTED], "Pete Myers" <JPMyers@ehsic.org>, "Bruce Lanphear" <blanphear@sfu.ca>, "Fred vom Saal" <vomsaalf@missouri.edu>, "Wade Welshons" <WelshonsW@missouri.edu>, "Philip Landrigan" <phil.landrigan@mssm.edu>, "Bruce Blumberg" <blumberg@uci.edu>, "Michael Antoniou" <michael.antoniou@kcl.ac.uk>, "Michael Hansen Ph.D." <mhansen@consumer.org>, "Robin Mesnage"

[REDACTED] "Patrick Holden" <patrick@sustainablefoodtrust.org>, "Lorne Everett" <LEverett@everettassociates.net>, "Lynn Carroll" <[REDACTED]>

Sent: Sunday, January 10, 2016 6:51:55 PM

Subject: EHP commentary on GBHs

Hi Everyone,

[REDACTED]

Based on the time we've spent on this revised draft, we propose a re-ordering of the authors. Please let me know if you are okay with this.

[REDACTED]

Please also re-confirm your willingness to be an author.

There is no guarantee that EHP will re-review this piece (or review it as if it is a new submission.) But considering the time we have spent on it over an almost 2 year period, it seems worth a try.

Best,
Laura

Laura N. Vandenberg, PhD
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686 N. Pleasant Street
149B Goessmann
Amherst, MA 01003
Tel: [413.577.7405](tel:413.577.7405)
lvandenberg@schoolph.umass.edu

Attachments:

ESE_Glyphosate_Use_2-2-16.pdf

1.7 MB

Subject: Re: Gen. treasuries, MAD Re: [chescience] consensus statement on glyphosate-based herbicides

From: Bruce Blumberg <blumberg@uci.edu>

Date: 2/19/2016 11:09 AM

To: Tony Tweedale <[REDACTED]> Pete Myers <jpmyers@ehsic.org>, [REDACTED] Lynn Carroll <[REDACTED] leverett@everettAssociates.net, Michael Hansen <hansmi@consumer.org>, philip.landrigan@mssm.edu, blanphear@sfu.ca, robin mesnage <[REDACTED]> Laura vandenbergh <lvandenbergh@schoolph.umass.edu>, bPA scientists <vomsaalf@missouri.edu>, "WelshonsW@missouri.edu Welshons" <WelshonsW@missouri.edu>, [REDACTED]

Dear Tony,

[REDACTED]

Bruce

On 2/19/2016 10:28 AM, Tony Tweedale wrote:

[REDACTED]

==

On 19 Feb 2016, at 16:51, Tony Tweedale wrote:

FYI:

Begin forwarded message:

From: Tony Tweedale <[REDACTED]>
Date: 19 Feb 2016 16:03:27 GMT+01:00
To: pan-europe-list@googlegroups.com, "Chemicals. Workinggroup" <chemicals.workinggroup@lists.eeb.org>, EFSActivistList <bali@lists.aktivix.org>
Cc: CHE Science <chescience@lists.healthandenvironment.org>
Subject: Re: [chescience] consensus statement on glyphosate-based herbicides



==

On 17 Feb 2016, at 15:58, JPMyers@ehsic.org wrote:

Out today.

Link: <http://bit.ly/1mHkr3M>

PDF attached

CHE WORKING GROUP LISTSERV INSTRUCTIONS

Just click the link for the action you want to perform and hit "send" on the resulting email.

<2016-0217 Glyphosate review.pdf>

--

Tony Tweedale, M.S.
R.I.S.K. (Rebutting Industry Science with Knowledge) Consultancy
Bruxelles, Belgique
tel: + [REDACTED]
mobile(GSM): + [REDACTED]
[REDACTED] Skype: [REDACTED]
VOIP: + [REDACTED] (USA-based)

"The true method of knowledge is experiment."

but: "Causality is a concept not subject to empirical demonstration."

&: "Le doute n'est pas une condition agréable, mais la certitude est absurde."

(Certainty is agreeable but absurd).

- W. Blake 1788 'All Religions are One',

- D. Hume 1739 'Treatise On Human Nature',

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Bruce Blumberg, PhD.
Professor of Developmental and Cell Biology
Professor of Pharmaceutical Sciences
2011 Biological Sciences 3
University of California
Irvine, CA 92697-2300

office: 949-824-8573

lab: 949-824-6873

fax: 949-824-4709

e-mail: blumberg@uci.edu

web: <http://blumberg-lab.bio.uci.edu/>

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Subject: Re: WTF

From: Bruce Blumberg <blumberg@uci.edu>

Date: 2/19/2016 9:19 AM

To: Laura Vandenberg <lvandenberg@schoolph.umass.edu>

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On 2/19/2016 9:07 AM, Laura Vandenberg wrote:

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Tel: 413.577.7405

lvandenberg@schoolph.umass.edu

From: Tony Tweedale [REDACTED]

Sent: Friday, February 19, 2016 10:51 AM

To: Pete Myers; [REDACTED] blumberg@uci.edu; Lynn Carroll; leverett@everettAssociates.net; Michael Hansen; philip.landrigan@mssm.edu; blanphear@sfu.ca; robin mesnage; Laura Vandenberg; bPA scientists; WelshonsW@missouri.edu Welshons; [REDACTED]

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lab: 949-824-6873

fax: 949-824-4709

e-mail: blumberg@uci.edu

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Subject: Re: WTF

From: Bruce Blumberg <blumberg@uci.edu>

Date: 2/19/2016 11:19 AM

To: Laura Vandenberg <lvandenberg@schoolph.umass.edu>

On 2/19/2016 9:07 AM, Laura Vandenberg wrote:

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lvandenberg@schoolph.umass.edu

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Sent: Friday, February 19, 2016 10:51 AM

To: Pete Myers; [REDACTED] blumberg@uci.edu; Lynn Carroll; leverett@everettAssociates.net; Michael Hansen; philip.landrigan@mssm.edu; blanphear@sfu.ca; robin mesnage; Laura Vandenberg; bPA scientists; WelshonsW@missouri.edu Welshons; [REDACTED]

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Link: <http://bit.ly/1mHkr3M>

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Bruxelles, Belgique

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Subject: Re: WTF

From: Bruce Blumberg <blumberg@uci.edu>

Date: 2/19/2016 1:50 PM

To: Laura Vandenberg <lvandenberg@schoolph.umass.edu>

Bruce

On 2/19/2016 1:10 PM, Laura Vandenberg wrote:



L

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Laura N. Vandenberg, PhD

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From: Tony Tweedale [REDACTED]

Sent: Friday, February 19, 2016 10:51 AM

To: Pete Myers; [REDACTED] blumberg@uci.edu; Lynn Carroll; leverett@everettAssociates.net; Michael Hansen; philip.landrigan@mssm.edu; blanphear@sfu.ca; robin mesnage; Laura Vandenberg; bPA scientists; WelshonsW@missouri.edu Welshons; [REDACTED]

Subject: Fwd: Re: [chescience] consensus statement on glyphosate-based herbicides

FYI:

Begin forwarded message:

From: Tony Tweedale <[REDACTED]>

Date: 19 Feb 2016 16:03:27 GMT+01:00

To: pan-europe-list@googlegroups.com, "Chemicals. Workinggroup" <chemicals.workinggroup@lists.eeb.org>, EFSActivistList <bali@lists.aktivix.org>

Cc: CHE Science <chescience@lists.healthandenvironment.org>

Subject: Re: [chescience] consensus statement on glyphosate-based herbicides

==

On 17 Feb 2016, at 15:58, JPMyers@ehsic.org wrote:

Out today.

Link: <http://bit.ly/1mHkr3M>

PDF ~~attached~~

CHE WORKING GROUP LISTSERV INSTRUCTIONS

Just click the link for the action you want to perform and hit "send" on the resulting email.

<2016-0217 Glyphosate review.pdf>

--

Tony Tweedale, M.S.
R.I.S.K. (Rebutting Industry Science with Knowledge) Consultancy
Bruxelles, Belgique
tel: + [REDACTED]
mobile(GSM): + [REDACTED]
[REDACTED]
Skype: [REDACTED]
VOIP: + [REDACTED] (USA-based)

"The true method of knowledge is experiment."
- W. Blake 1788 'All Religions are One',
but: "Causality is a concept not subject to empirical demonstration."

- *D. Hume 1739 'Treatise On Human Nature'*.
 &: "Le doute n'est pas une condition agréable, mais la certitude est absurde."
 - Voltaire 1767 Letter to Frederick II Prussia.
 (Certainty is agreeable but absurd).

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 (Certainty is agreeable but absurd).

Subject: Re: Chemistry World is published by the Royal Society of Chemistry

From: Michael Hansen <mhansen@consumer.org>

Date: 2/25/2016 9:48 AM

To: robin mesnage <[REDACTED]>

CC: Pete Myers <JPMyers@ehsic.org>, "Lanphear, Bruce" <blanphear@sfu.ca>, "Prof. Fred vom Saal" <vomsaalf@missouri.edu>, Chuck Benbrook <[REDACTED]> "Welshons, Wade" <WelshonsW@missouri.edu>, Philip Landrigan <phil.landrigan@mssm.edu>, Bruce Blumberg <blumberg@uci.edu>, Laura Vandenberg <lvandenberg@schoolph.umass.edu>, Michael Antoniou <michael.antoniou@kcl.ac.uk>, Patrick Holden <patrick@sustainablefoodtrust.org>, Lorne Everett <LEverett@everettassociates.net>, Lynn Carroll <[REDACTED]> Amy Kostant <amy@sciencecom.org>

That's great; you'll do a fantastic job. Looks like our side will have a strong showing, except for the first two presentations showcasing the nuttiness of Seneff and those totally misleading correlation graphs, originally developed by Nancy Swanson. At least your presentation and those from IARC and PAN will be excellent science.

Also fantastic all the will get a copy of the EH article.

Best,

Michael

On Thursday, February 25, 2016, robin mesnage <[REDACTED]> wrote:

Thanks Pete,

I will be giving a speech to the MEP at the European Parliament next Wednesday about glyphosate reassessment (program attached), they will print copies of our consensus statement for the deputies. Let's one that at least one of them will read it!

A live stream will be available here <http://www.pavelpoc.cz/node/457>

The best,

Robin.

--

Dr. Robin Mesnage

Gene Expression and Therapy Group
King's College London, Faculty of Life Sciences & Medicine
Department of Medical and Molecular Genetics
8th Floor Tower Wing
Guy's Hospital
Great Maze Pond
London SE1 9RT, UK.

On 25 February 2016 at 15:08, <JPMyers@ehsic.org> wrote:

Feb 25 [Glyphosate persistence raises questions](#). The widely used weedkiller glyphosate persists in water and soil longer than previously recognised, and human exposures to glyphosate-based herbicides (GBHs) are rising, experts from various universities as well as environmental health and consumer groups have concluded in a new scientific review.

[Chemistry World](#)

--

Michael Hansen, Ph.D.

Senior Scientist

Consumers Union

101 Truman Ave.

Yonkers, NY 10703

o: 914-378-2452

c: [REDACTED]

This e-mail message is intended only for the designated recipient(s) named above. The information contained in this e-mail and any attachments may be confidential or legally privileged. If you are not the intended recipient, you may not review, retain, copy, redistribute or use this e-mail or any attachment for any purpose, or disclose all or any part of its contents. If you have received this e-mail in error, please immediately notify the sender by reply e-mail and permanently delete this e-mail and any attachments from your computer system.

Subject: Re: Chemistry World is published by the Royal Society of Chemistry

From: robin mesnage <[REDACTED]>

Date: 2/25/2016 9:57 AM

To: Michael Hansen <mhansen@consumer.org>

CC: Pete Myers <JPMyers@ehsic.org>, "Lanphear, Bruce" <blanphear@sfu.ca>, "Prof. Fred vom Saal" <vomsaalf@missouri.edu>, Chuck Benbrook <[REDACTED]> "Welshons, Wade" <WelshonsW@missouri.edu>, Philip Landrigan <phil.landrigan@mssm.edu>, Bruce Blumberg <blumberg@uci.edu>, Laura Vandenberg <lvandenberg@schoolph.umass.edu>, Michael Antoniou <michael.antoniou@kcl.ac.uk>, Patrick Holden <patrick@sustainablefoodtrust.org>, Lorne Everett <LEverett@everettassociates.net>, Lynn Carroll <[REDACTED]> Amy Kostant <amy@sciencecom.org>

I understand your point! Thanks!

[REDACTED] A few days ago, I sent an email to the European deputy hosting the event to warn him that Stephanie Seneff is a scam (I know this is not really a good practice) and in the end he replied by inviting me!

Robin.

--

Dr. Robin Mesnage

Gene Expression and Therapy Group

King's College London, Faculty of Life Sciences & Medicine

Department of Medical and Molecular Genetics

8th Floor Tower Wing

Guy's Hospital

Great Maze Pond

London SE1 9RT, UK.

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--

Michael Hansen, Ph.D.
Senior Scientist
Consumers Union
101 Truman Ave.
Yonkers, NY 10703
o: [914-378-2452](tel:914-378-2452)
c: [REDACTED]

This e-mail message is intended only for the designated recipient(s) named above. The information contained in this e-mail and any attachments may be confidential or legally privileged. If you are not the intended recipient, you may not review, retain, copy, redistribute or use this e-mail or any attachment for any purpose, or disclose all or any part of its contents. If you have received this e-mail in error, please immediately notify the sender by reply e-mail and permanently delete this e-mail and any attachments from your computer system.

Subject: Re: Chemistry World is published by the Royal Society of Chemistry

From: "Antoniou, Michael" <michael.antoniou@kcl.ac.uk>

Date: 2/26/2016 5:42 AM

To: "JPMyers@ehsic.org" <JPMyers@ehsic.org>

CC: Laura Vandenberg <lvandenberg@schoolph.umass.edu>, Amy Kostant <amy@sciencecom.org>, "Lanphear, Bruce" <blanphear@sfu.ca>, Bruce Blumberg <blumberg@uci.edu>, Chuck Benbrook <[REDACTED]> "Emily Copeland" <emily@sciencecom.org>, Gabriela Silvani <gabriela@sciencecom.org>, Lorne Everett <LEverett@everettassociates.net>, "Michael Hansen Ph.D." <mhansen@consumer.org>, Patrick Holden <patrick@sustainablefoodtrust.org>, Philip Landrigan <phil.landrigan@mssm.edu>, robin mesnage <[REDACTED]> Lynn Carroll <[REDACTED]> "Prof. Fred vom Saal" <vomsaalf@missouri.edu>, "Welshons, Wade" <WelshonsW@missouri.edu>

Agreed, but S & S are not just way over the top but technically wrong. Hence they will definitely do more harm than good even if we'll intentioned!

Sent from my iPhone

Dr Michael Antoniou

Head: Gene Expression and Therapy Group

King's College London

Faculty of Life Sciences & Medicine

Department of Medical and Molecular Genetics

8th Floor, Tower Wing

Guy's Hospital

Great Maze Pond

London

SE1 9RT, UK

Tel: +44 (0)20 7188 3708

Fax: +44 (0)20 7188 2585

Email: michael.antoniou@kcl.ac.uk

Web: <https://www.kcl.ac.uk/lsm>

Skype: [REDACTED]



On 26 Feb 2016, at 21:19, "JPMyers@ehsic.org" <JPMyers@ehsic.org> wrote:

Samsel and Seneff are simply not credible. Way over the top. This meeting will do more harm than good. I strongly encourage Phil not to join. If I were you, Laura, I would be tempted to respond by saying "I would never appear in a meeting with Seneff and Samsel." But it's probably best simply not to respond.

From: Laura Vandenberg <lvandenberg@schoolph.umass.edu>

To: "JPMyers@ehsic.org" <JPMyers@ehsic.org>, robin mesnage <[REDACTED]>

Cc: Amy Kostant <amy@sciencecom.org>, "Lanphear, Bruce" <blanphear@sfu.ca>, Bruce Blumberg <blumberg@uci.edu>, Chuck Benbrook <[REDACTED]>, Emily Copeland <emily@sciencecom.org>, "Gabriela Silvani" <gabriela@sciencecom.org>, Lorne Everett <LEverett@everettassociates.net>, Michael Hansen Ph.D. <mhansen@consumer.org>, Michael Antoniou <michael.antoniou@kcl.ac.uk>, Patrick Holden <patrick@sustainablefoodtrust.org>, Philip Landrigan <phil.landrigan@mssm.edu>, Lynn Carroll <[REDACTED]> "Prof. Fred vom Saal" <vomsaalf@missouri.edu>, "Welshons, Wade" <WelshonsW@missouri.edu>
Date: 02/26/2016 08:13 AM
Subject: RE: Chemistry World is published by the Royal Society of Chemistry

So I got this email last night (pasted below) and it also brings up Seneff.

Anyone want me to pass along their name to this guy?

Laura

Greetings Laura —

I just now left voice mail regarding my efforts to stop the re-registration of glyphosate by the EPA. At the moment, Stephanie Seneff, Anthony Samsel, and myself are planning to have a meeting with the EPA in Washington (sometime in late April to mid/late May - or later if necessary to accommodate everyone's schedule). I'm hoping that Phil Landrigan will consider joining us too. This has been arranged by Congressman Ted Lieu, and I would very much like you to be a part of our group of scientists that will meet with the appropriate EPA scientists. Our goal will be to present compelling evidence why glyphosate should not be re-registered, and I think that your work re. hormone disruption would be a most valuable contribution — especially since the EPA's recent report for glyphosate's re-registration found no problem in this regard (see attachment: EPA GLY 2015 Hormone...). FYI, here's the link to the overall registration review docket for glyphosate at: [regulations.gov](http://www.regulations.gov)
<http://www.regulations.gov/#!docketDetail:D=EPA-HQ-OPP-2009-0361>

For a little background material, I have attached a brief update on my efforts in CA to motivate the public and government officials to eliminate the application of glyphosate-based products (see SCF-GLY); also attached is my bio to further introduce me.

I do hope you will consider joining us for this important meeting. Please let me know at your earliest convenience and will can discuss further details by phone and email.

All best regards— Stephen

Dr. Stephen C. Frantz, Principal
Global Environmental Options (GEO), LLC
Woodland Hills CA 91364-3847
Email: [REDACTED] Telephone: 818.591.1163
Mobile [REDACTED]



"Preventing ecological risks through comprehensive anticipatory design"



Laura N. Vandenberg, PhD
Assistant Professor
University of Massachusetts – Amherst
School of Public Health & Health Sciences
Department of Environmental Health Science
686 N. Pleasant Street
149B Goessmann
Amherst, MA 01003
Tel: 413.577.7405
lvandenberg@schoolph.umass.edu

From: JPMyers@ehsic.org [JPMyers@ehsic.org]

Sent: Thursday, February 25, 2016 3:14 PM

To: robin mesnage

Cc: Amy Kostant; Lanphear, Bruce; Bruce Blumberg; Chuck Benbrook; Emily Copeland; Gabriela Silvani; Lorne Everett; Laura Vandenberg; Michael Hansen Ph.D.; Michael Antoniou; Patrick Holden; Philip Landrigan; Lynn Carroll; Prof. Fred vom Saal; Welshons, Wade

Subject: Re: Chemistry World is published by the Royal Society of Chemistry

From: robin mesnage <[REDACTED]>

To: Amy Kostant <amy@sciencecom.org>

Cc: Pete Myers <JPMyers@ehsic.org>, "Lanphear, Bruce" <blanphear@sfu.ca>, "Prof. Fred vom Saal"

<vomsaalf@missouri.edu>, Chuck Benbrook <[REDACTED]> "Welshons, Wade"

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<LEverett@everettassociates.net>, Lynn Carroll <[REDACTED]> Emily Copeland <emily@sciencecom.org>, Gabriela Silvani

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Date: 02/25/2016 03:12 PM

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Of course Amy please do, this is an important event,

Robin.

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On 25 February 2016 at 20:03, Amy Kostant <amy@sciencecom.org> wrote:
Hi Robin –

This sounds great. May I share that you'll be speaking (and the live feed link) with our EU partners who can get the information to trusted journalists?

Amy

Amy Kostant

Science Communication Network

Office: [301-654-6665](tel:301-654-6665)

Cell: [REDACTED]

amy@sciencecom.org

From: robin mesnage [mailto:[REDACTED]]
Sent: Thursday, February 25, 2016 11:46 AM
To: Pete Myers
Cc: Lanphear, Bruce; Prof. Fred vom Saal; Chuck Benbrook; Welshons, Wade; Philip Landrigan; Bruce Blumberg; Laura Vandenberg; Michael Antoniou; Michael Hansen Ph.D.; Patrick Holden; Lorne Everett; Lynn Carroll; Amy Kostant
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⌘⌘⌘

"Preventing ecological risks through comprehensive anticipatory design"

⌘⌘⌘

Laura N. Vandenberg, PhD
Assistant Professor
University of Massachusetts – Amherst
School of Public Health & Health Sciences
Department of Environmental Health Science
686 N. Pleasant Street
149B Goessmann
Amherst, MA 01003
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Thanks for this Michael. I've had several run-ins with Samsel, none pleasant. Absolutely tone deaf about his and her adverse effects. I'm surprised they haven't come out critical of our paper.

From: Michael Hansen <mhansen@consumer.org>

To: "Antoniou, Michael" <michael.antoniou@kcl.ac.uk>

Cc: "JPMyers@ehsic.org" <JPMyers@ehsic.org>, Laura Vandenberg <lvandenberg@schoolph.umass.edu>, Amy Kostant <amy@sciencecom.org>, "Lanphear, Bruce" <blanphear@sfu.ca>, Bruce Blumberg <blumberg@uci.edu>, Chuck Benbrook <[REDACTED]>, Emily Copeland <emily@sciencecom.org>, Gabriela Silvani <gabriela@sciencecom.org>, Lorne Everett <LEverett@everettassociates.net>, Patrick Holden <patrick@sustainablefoodtrust.org>, Philip Landrigan <phil.landrigan@mssm.edu>, robin mesnage <[REDACTED]>, Lynn Carroll <[REDACTED]> "Prof. Fred vom Saal" <vomsaalf@missouri.edu>, "Welshons, Wade" <WelshonsW@missouri.edu>

Date: 02/26/2016 11:44 AM

Subject: Re: Chemistry World is published by the Royal Society of Chemistry

In addition to be wrong they are truly nutty and have zero political sense. They testified together at the first hearing in Boston before the Joint Public Health Committee on the GE labeling bill, held June 10, 2013. It was a bit of a mad house. The place was packed, as there had been a rally and press conference beforehand (neither of them were allowed to speak at that). There were 70 people that testified and the only one in opposition was a GMA representative. That said, S & S got to be among the first to testify and were given 10 minutes (the rest of us got 2 min), since Seneff is at MIT. Any way, rather than speak to the substance of the bill, they instead spoke (Seneff did most of the talking) about the need for labeling because of the dangers of glyphosate (virtually whole testimony was about glyphosate), ending their testimony by saying that because glyphosate has been shown to reduce serotonin levels, this could explain the increased suicide and homicide rates in Boston and other cities in MA. It was truly unhinged. In testimony in Hawaii, Seneff has even suggested that glyphosate could potentially explain the Boston bombing!

As for Samsell, he called me two Thanksgivings ago. He asked if I had supported the Codex definition of GE (which is basically the definition used in all the state bills and ballot

initiatives). He then proceeded to tell me that that definition is wrong because there are a number of GE crops (lettuce and tomato) that were produced through viral transduction and he had the patent documents to prove it. I told him if that were true and there was evidence of that, that we could always go back to Codex with this new information and potentially reopen the Task Force on Foods Derived from Modern Biotechnology. When I asked for copies/proof of what he was saying, he simply back tracked and said that the definition had come from the US State Department. I tried to reason with him, telling him that the Codex definition was based on the one in the Cartagena Protocol for Biosafety, which had been fully supported by all the NGOs and affiliated scientists. I asked if he thought that all the scientists in the global movement were wrong and he was right? Since then, he has been telling people that I am just a tool of the State Department. In other words, totally clueless.

While I normally ignore such loons, they are very dangerous since significant portions of the grass roots activists buy into their nonsense. One of them is Zen Honeycutt, founder of Moms Across America, a big anti-GE group. I got roped into going to an EPA meeting with her and a number of other members at the last minute (there also was a scientist from NRDC there). They opened the meeting with Honeycutt demanded that all the members at the table say how many kids they have and whether they have ever worked for industry. The top EPA official in the room said that was unacceptable, yet also the staffers answered those questions. The EPA sat there for over 2 hours (the original meeting was only supposed to be for an hour), while the 6 mothers all told stories of how their kids had autism, multiple allergies and other health problems that magically went away as soon as they went on a non-GE diet. They also claimed that glyphosate concentrated in breast milk and EPA needed to take immediate action. EPA tried to talk rationally to them without success. When a couple of the officials tried to leave the meeting after 1 1/4 hours, Honeycutt demanded that they stay to hear what all the mother had to say, and they. I was amazed at the patience of the EPA officials, but suspect they stayed because these were supposed "victims" and also because they had organized 30,000 folks to call EPA over this.

Bottom line, stay far away. I'm sure Chuck will tell Phil to have no contact, if he doesn't already know that. You might try calling (don't email) Dr. Frantz and tell him that S & S are not scientifically credible. There are lots of medical doctors out there that have bought into this nonsense, thanks to Jeffrey Smith and S & S, so it might be good to try to let Dr. Frantz know about their lack of scientific substance. Or you could just ignore them as Pete suggests.

Best,

Michael

Michael Hansen, Ph.D.
Senior Scientist
Consumers Union
101 Truman Ave.
Yonkers, NY 10703
o: 914-378-2452
c: [REDACTED]

On Fri, Feb 26, 2016 at 8:42 AM, Antoniou, Michael <michael.antoniou@kcl.ac.uk> wrote:
Agreed, but S & S are not just way over the top but technically wrong. Hence they will definitely

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Sent from my iPhone
Dr Michael Antoniou
Head: Gene Expression and Therapy Group
King's College London
Faculty of Life Sciences & Medicine
Department of Medical and Molecular Genetics
8th Floor, Tower Wing
Guy's Hospital
Great Maze Pond
London
SE1 9RT, UK

Tel: [+44 \(0\)20 7188 3708](tel:+442071883708)
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Email: michael.antoniou@kcl.ac.uk
Web: <https://www.kcl.ac.uk/lsm>
Skype: [REDACTED]

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To: "JPMyers@ehsic.org" <JPMyers@ehsic.org>, robin mesnage <[REDACTED]>
Cc: Amy Kostant <amy@sciencecom.org>, "Lanphear, Bruce" <blanphear@sfu.ca>, Bruce Blumberg <blumberg@uci.edu>, Chuck Benbrook <[REDACTED]>, Emily Copeland <emily@sciencecom.org>, "Gabriela Silvani" <gabriela@sciencecom.org>, Lorne Everett <LEverett@everettassociates.net>, Michael Hansen Ph.D. <mhansen@consumer.org>, Michael Antoniou <michael.antoniou@kcl.ac.uk>, Patrick Holden <patrick@sustainablefoodtrust.org>, Philip Landrigan <phil.landrigan@mssm.edu>, Lynn Carroll <[REDACTED]> "Prof. Fred vom Saal" <vomsaalf@missouri.edu>, "Welshons, Wade" <WelshonsW@missouri.edu>
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Subject: RE: Chemistry World is published by the Royal Society of Chemistry

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"Preventing ecological risks through comprehensive anticipatory design"

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lvandenberg@schoolph.umass.edu

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Sent: Thursday, February 25, 2016 3:14 PM

To: robin mesnage

Cc: Amy Kostant; Lanphear, Bruce; Bruce Blumberg; Chuck Benbrook; Emily Copeland; Gabriela Silvani; Lorne Everett; Laura Vandenberg; Michael Hansen Ph.D.; Michael Antoniou; Patrick Holden; Philip Landrigan; Lynn Carroll; Prof. Fred vom Saal; Welshons, Wade

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From: Laura Vandenberg <lvandenberg@schoolph.umass.edu>

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Subject: Re: GBH commentary - revisit

From: Charles Benbrook <[REDACTED]>

Date: 11/18/2016 11:57 AM

To: Laura Vandenberg <l Vandenberg@schoolph.umass.edu>

CC: "Landrigan, Philip" <philip.landrigan@mssm.edu>, Pete Myers <JPMyers@ehsic.org>, robin mesnage <[REDACTED]> Bruce Blumberg <blumberg@uci.edu>, Bruce Lanphear <bpl3@sfu.ca>, Lorne Everett <LEverett@everettassociates.net>, "Michael Hansen Ph.D." <mhansen@consumer.org>, Michael Antoniou <michael.antoniou@kcl.ac.uk>, Patrick Holden <patrick@sustainablefoodtrust.org>, Lynn Carroll <[REDACTED]> Fred vom Saal <vomsaalf@missouri.edu>, Wade Welshons <WelshonsW@missouri.edu>

Excellent, thanks for pushing this along Laura.

Please keep this in the family-- While I have your attention, I just want to alert this group to rough road ahead on the glyphosate front. I cannot share why I know this, but can say that in the next several months to 2 years there is going to be mind-blowing new information in the public arena that document, fully, the extent to which Monsanto has cooked the books over 40 years re GLY toxicity, environmental fate, oncogenicity, etc etc in every conceivable way imaginable, and that from the bulk of "original research," through myriad reviews, and regulatory agency appraisals and documents, what all this "sound science" shows re GLY is grounded on thin air.

When this information finally sees the light of day, even the most cynical among us will be impressed, and perhaps even shocked, at how systemically and effectively Monsanto has defended this chemical. It is a shame that the Dec SAP meeting will happen before the curtain is drawn back on the charade that stands for GLY science.

Chuck

Charles Benbrook
Benbrook Consulting Services
90063 Troy Road
Enterprise, Oregon 97828
Main: 541-828-7918 (always forwarded to cell)
[REDACTED]

On Fri, Nov 18, 2016 at 4:24 AM, Laura Vandenberg <l Vandenberg@schoolph.umass.edu> wrote:

Thanks to all that have agreed to be authors and have sent comments on the circulated drafts. Please, if I have not heard from you, send me your approval/consent to be an author, as well as final proposed edits, by Sunday. If I do not hear from you, I will assume you do not wish to be an author on this commentary. [REDACTED]


Best,

Laura

Laura N. Vandenberg, PhD
Assistant Professor
University of Massachusetts – Amherst
School of Public Health & Health Sciences
Department of Environmental Health Science
686 N. Pleasant Street
171A Goessmann
Amherst, MA 01003
Tel: [413.577.7405](tel:413.577.7405)
lvandenberg@schoolph.umass.edu

From: Laura Vandenberg
Sent: Sunday, November 6, 2016 6:24 PM
To: Landrigan, Philip; Charles Benbrook
Cc: Pete Myers; robin mesnage; Bruce Blumberg; Bruce Lanphear; Lorne Everett; Michael Hansen Ph.D.; Michael Antoniou; Patrick Holden; Lynn Carroll; Fred vom Saal; Wade Welshons
Subject: GBH commentary - revisit

Hi Everyone,



Can you please review this draft and send me any comments or edits by November 20th (2 weeks from now)? Please also verify that you agree to be an author.

Best,

Laura

Laura N. Vandenberg, PhD
Assistant Professor
University of Massachusetts – Amherst
School of Public Health & Health Sciences
Department of Environmental Health Science
686 N. Pleasant Street
171A Goessmann
Amherst, MA 01003
Tel: [413.577.7405](tel:413.577.7405)
lvandenberg@schoolph.umass.edu

Subject: Re: GBH commentary - revisit

From: "Antoniou, Michael" <michael.antoniou@kcl.ac.uk>

Date: 11/21/2016 2:59 AM

To: Michael Hansen <mhansen@consumer.org>

CC: Laura Vandenberg <lvandenberg@schoolph.umass.edu>, "Landrigan, Philip" <philip.landrigan@mssm.edu>, Charles Benbrook <[REDACTED]>, Pete Myers <JPMyers@ehsic.org>, robin mesnage <[REDACTED]>, "Bruce Blumberg" <blumberg@uci.edu>, Bruce Lanphear <bpl3@sfu.ca>, Lorne Everett <LEverett@everettassociates.net>, Patrick Holden <patrick@sustainablefoodtrust.org>, Lynn Carroll <[REDACTED]>, "Fred vom Saal" <vomsaalf@missouri.edu>, Wade Welshons <WelshonsW@missouri.edu>

Dear colleagues

[REDACTED]

If one is to quote any public testing of foodstuffs the latest conducted by Food Democracy and the Detox Project which employed an ISO certified company (Anresco, San Francisco) who employed LC-MSMS technology can thus be fully trusted.

Best wishes

Michael

Sent from my iPhone

Dr Michael Antoniou

Head: Gene Expression and Therapy Group

King's College London

Faculty of Life Sciences & Medicine

Department of Medical and Molecular Genetics

8th Floor, Tower Wing

Guy's Hospital

Great Maze Pond

London

SE1 9RT, UK

Tel: +44 (0)20 7848 8501

Fax: +44 (0)20 7188 2585

Email: michael.antoniou@kcl.ac.uk

Web: <https://www.kcl.ac.uk/lsm>

Skype: [REDACTED]



On 20 Nov 2016, at 20:54, Michael Hansen <mhansen@consumer.org> wrote:

I also agree to be an author on this paper. [REDACTED]

Michael

Michael Hansen, Ph.D.

Senior Scientist

Consumers Union

101 Truman Ave.

Yonkers, NY 10703

o: 914-378-2452

c: [REDACTED]

On Fri, Nov 18, 2016 at 7:24 AM, Laura Vandenberg <lvandenberg@schoolph.umass.edu> wrote:

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Re: GBH commentary - revisit

Subject: Re: GBH commentary - revisit

From: "Antoniou, Michael" <michael.antoniou@kcl.ac.uk>

Date: 11/21/2016 11:17 AM

To: "Vomsaal, Frederick S." <VomsaalF@missouri.edu>

CC: Lorne Everett <LEverett@everettassociates.net>, Michael Hansen <mhansen@consumer.org>, Laura Vandenberg <lvandenberg@schoolph.umass.edu>, "Landrigan, Philip" <philip.landrigan@mssm.edu>, Charles Benbrook <[REDACTED]>, Pete Myers <JPMyers@ehsic.org>, robin mesnage <[REDACTED]>, Bruce Blumberg <blumberg@uci.edu>, Bruce Lanphear <bpl3@sfu.ca>, Patrick Holden <patrick@sustainablefoodtrust.org>, "Lynn Carroll" <[REDACTED]>, "Welshons, Wade V." <WelshonsW@missouri.edu>

Too true Fred

I'm literally banging my head against a brick wall to get otherwise well meaning activists (excluding Samsel & Seneff who are perpetrators of misinformation) to see these points about [REDACTED]

Michael

Sent from my iPhone

Dr Michael Antoniou

Head: Gene Expression and Therapy Group

King's College London

Faculty of Life Sciences & Medicine

Department of Medical and Molecular Genetics

8th Floor, Tower Wing

Guy's Hospital

Great Maze Pond

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Email: michael.antoniou@kcl.ac.uk

Web: <https://www.kcl.ac.uk/lsm>

Skype: [REDACTED]

On 21 Nov 2016, at 09:30, Vomsaal, Frederick S. <VomsaalF@missouri.edu> wrote:

[REDACTED]

Fred

Frederick S. vom Saal

Curators' Distinguished Professor

Division of Biological Sciences

105 Lefevre Hall

University of Missouri-Columbia

Columbia MO 65211

573-882-4367

vomsaal@missouri.edu

From: Lorne Everett <LEverett@everettassociates.net>

Date: Monday, November 21, 2016 at 10:48 AM

To: Michael Hansen <mhansen@consumer.org>, Laura Vandenberg <lvandenberg@schoolph.umass.edu>

Cc: "Landrigan, Philip" <philip.landrigan@mssm.edu>, Charles Benbrook <[REDACTED]>, Pete Myers <JPMyers@ehsic.org>, robin mesnage <[REDACTED]>, Bruce Blumberg <blumberg@uci.edu>, Bruce Lanphear <bpl3@sfu.ca>, Michael Antoniou <michael.antoniou@kcl.ac.uk>, Patrick Holden <patrick@sustainablefoodtrust.org>, Lynn Carroll <[REDACTED]>, Fred vomsaal <VomsaalF@missouri.edu>, Wade Welshons <WelshonsW@missouri.edu>

Subject: RE: GBH commentary - revisit

Thanks Michael

Point well taken.

Best

lorne

From: Michael Hansen [<mailto:mhansen@consumer.org>]

Sent: Sunday, November 20, 2016 8:54 PM

To: Laura Vandenberg <lvandenberg@schoolph.umass.edu>

Cc: Landrigan, Philip <philip.landrigan@mssm.edu>; Charles Benbrook <[REDACTED]> Pete Myers <JPMyers@ehsic.org>; robin mesnage <[REDACTED]> Bruce Blumberg <blumberg@uci.edu>; Bruce Lanphear <bpl3@sfu.ca>; Lorne Evere <LEvere@evereassociates.net>; Michael Antoniou <michael.antoniou@kcl.ac.uk>; Patrick Holden <patrick@sustainablefoodtrust.org>; Lynn Carroll <[REDACTED]> Fred vom Saal <vomsaalf@missouri.edu>; Wade Welshons <WelshonsW@missouri.edu>

Subject: Re: GBH commentary - revisit

I also agree to be an author on this paper. [REDACTED]

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Michael Hansen, Ph.D.
Senior Scientist
Consumers Union
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Yonkers, NY 10703
o: 914-378-2452
c: [REDACTED]

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1 of 1 4/25/2017 5:34 PM

Subject: Re: GBH commentary - revisit

From: "Antoniou, Michael" <michael.antoniou@kcl.ac.uk>

Date: 11/21/2016 11:32 AM

To: Bruce Blumberg <blumberg@uci.edu>

CC: Charles Benbrook <[REDACTED]>, Laura Vandenberg <lvandenberg@schoolph.umass.edu>, Michael Hansen <mhansen@consumer.org>, "Landrigan, Philip" <philip.landrigan@mssm.edu>, Pete Myers <JPMyers@ehsic.org>, robin mesnage <[REDACTED]>, Bruce Lanphear <bpl3@sfu.ca>, Lorne Everett <LEverett@everettassociates.net>, Patrick Holden <patrick@sustainablefoodtrust.org>, Lynn Carroll <[REDACTED]>, "Fred vom Saal" <vomsaalf@missouri.edu>, Wade Welshons <WelshonsW@missouri.edu>

Bruce, the use of Roundup as a pre-harvest dessicant varies widely with the territory being mostly used in wet climates such as the UK and Northern Europe in general. So it's bound to be very regional in the US as well I would say.

We have good government figures for dessicant use in the U.K. but if figures for the US are not available [REDACTED]

Having said this the recent food survey that I eluded to earlier found by far the highest glyphosate residues in oat based products, notably Cheerios! Since oats are non-GMO and thus no varieties engineered to be glyphosate tolerant, [REDACTED]
[REDACTED]

Certainly in the U.K. glyphosate desiccation is used on wheat, barley, oats, rye, canola, ...

[REDACTED]

Best wishes

Michael

Sent from my iPhone

Dr Michael Antoniou

Head: Gene Expression and Therapy Group

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Skype: [REDACTED]



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Chuck,

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I saw Mike Skinner recently at a meeting and when we were discussing Roundup and its widespread desiccant use on wheat and corn he was adamant that no one he knows ([REDACTED]) uses glyphosate in this way. [REDACTED]

Bruce

On 11/21/2016 7:34 AM, Charles Benbrook wrote:

Laura --

Re GLY uses as a desiccant or pre-harvest burndown herbicide, there are many things to be cited. Try a search like "<https://www.google.com/#q=desiccating+crops+with+glyphosate>"

The guides from Monsanto promoting the use and providing technical guidance are a good cite; several commodity organizations and grower groups have guides out; you

can cite my GLY use paper, and pick from ref.s 41-43 in that paper.

Do this search in PubMed -- desiccant glyphosate seed

It goes to a 2003 paper, but also has a paper that cites this one, and this will get you into the literature on pre-harvest burndown uses triggering morphological changes in the seeds set by plants exposed to low-levels of GLY from drift. There are several papers re potatoes, wheat, and other small grains. It is a literature that is growing; there are some papers from UK scientists, as well, sorry I don't have them handy.

Chuck

Charles Benbrook
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90063 Troy Road
Enterprise, Oregon 97828
Main: 541-828-7918 (always forwarded to cell)

[REDACTED]

On Mon, Nov 21, 2016 at 5:44 AM, Laura Vandenberg
<lvandenberg@schoolph.umass.edu> wrote:

[REDACTED]

[REDACTED]

Finally, I think Lynn is the only person I haven't heard from... can you please let me know if you're willing to be an author ASAP?

Thanks,

Laura

Laura N. Vandenberg, PhD

Assistant Professor

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Subject: Re: GBH commentary - revisit

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Skype: [REDACTED]



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I also agree to be an author on this paper. [REDACTED]

[REDACTED]

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Michael Hansen, Ph.D.

Senior Scientist

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Yonkers, NY 10703

o: [914-378-2452](tel:9143782452)

c: [REDACTED]

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lvandenberg@schoolph.umass.edu

From: Laura Vandenberg

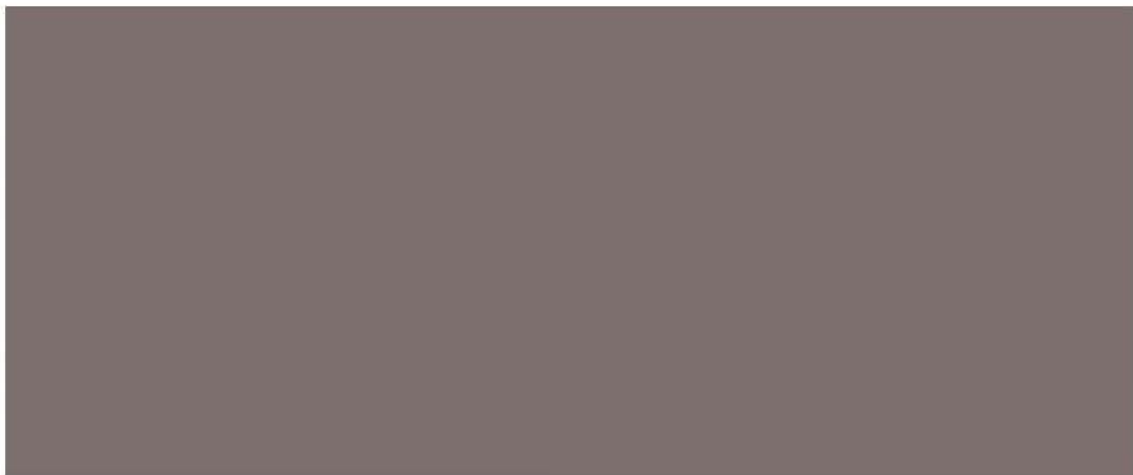
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--

Bruce Blumberg, PhD.
Professor
Depts. of Developmental and Cell Biology
and Pharmaceutical Sciences
4103 Natural Sciences 2
Mailing address: 2011 Biological Sciences 3

University of California
Irvine, CA 92697-2300

office: 949-824-8573
lab: 949-824-6873
fax: 949-824-4709
e-mail: blumberg@uci.edu
web: <http://blumberg-lab.bio.uci.edu/>
<http://blumberg.bio.uci.edu/>

Re: GBH commentary - revisit

Subject: Re: GBH commentary - revisit

From: "Antoniou, Michael" <michael.antoniou@kcl.ac.uk>

Date: 11/21/2016 1:24 PM

To: Laura Vandenberg <lvandenberg@schoolph.umass.edu>

CC: Charles Benbrook <[REDACTED]> "Vomsaal, Frederick S." <VomsaalF@missouri.edu>, Bruce Blumberg <blumberg@uci.edu>, Michael Hansen <mhansen@consumer.org>, "Landrigan, Philip" <philip.landrigan@mssm.edu>, "Pete Myers" <JPMyers@ehsic.org>, robin mesnage <[REDACTED]> Bruce Lanphear <bpl3@sfu.ca>, Lorne Everett <LEverett@everettassociates.net>, Patrick Holden <patrick@sustainablefoodtrust.org>, Lynn Carroll <[REDACTED]> "Welshons, Wade V." <WelshonsW@missouri.edu>

[REDACTED]
By the way Is this article meant to be US centred?
Michael

Sent from my iPhone
Dr Michael Antoniou
Head: Gene Expression and Therapy Group
King's College London
Faculty of Life Sciences & Medicine
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8th Floor, Tower Wing
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Fax: +44 (0)20 7188 2585
Email: michael.antoniou@kcl.ac.uk
Web: <https://www.kcl.ac.uk/lsm>
Skype: [REDACTED]

On 21 Nov 2016, at 13:19, Laura Vandenberg <lvandenberg@schoolph.umass.edu> wrote:

This is as far as I am comfortable going:

[REDACTED]

Please find and share citations ASAP if you would like to consider adding stronger language. Let me know tonight if this is a make-or-break paragraph for you, so I can remove you from the authors' list. I will be submitting the manuscript tomorrow.

Thanks,
Laura

Laura N. Vandenberg, PhD
Assistant Professor
University of Massachusetts – Amherst
School of Public Health & Health Sciences
Department of Environmental Health Science
686 N. Pleasant Street
171A Goessmann
Amherst, MA 01003
Tel: 413.577.7405
lvandenberg@schoolph.umass.edu

From: Charles Benbrook <[REDACTED]>

Sent: Monday, November 21, 2016 3:27 PM

To: Vomsaal, Frederick S.

Cc: Laura Vandenberg; Antoniou, Michael; Bruce Blumberg; Michael Hansen; Landrigan, Philip; Pete Myers; robin mesnage; Bruce Lanphear; Lorne Evere; Patrick Holden; Lynn Carroll; Welshons, Wade V.

Subject: Re: GBH commentary - revisit

Laura et all --

Lots of good points. It is clear that in the UK and much of northern Europe, between 30% and 60% of small grains annually are treated with GLY as a pre-harvest burndown use. This rule of thumb re use matches closely the % of bread, wheat flour etc samples tested by UK-FSA for GLY residues. [REDACTED]

I am certain use as a desiccant in the US is less common than in northern Europe, but I also know it is very high in some crops - Ian Burke, the top weed scientist at WSU told me that nearly 100% of garbanzo beans grown in WA state are treated with GLY as a harvest aid. [REDACTED]

Chuck

Charles Benbrook
Benbrook Consulting Services
90063 Troy Road
Enterprise, Oregon 97828
Main: 541-828-7918 (always forwarded to cell)
[REDACTED]

On Mon, Nov 21, 2016 at 12:14 PM, Vomsaal, Frederick S. <VomsaalF@missouri.edu> wrote:
[REDACTED]

Fred

Frederick S. vom Saal
Curators' Distinguished Professor
Division of Biological Sciences
105 Lefevre Hall
University of Missouri-Columbia
Columbia MO 65211
573-882-4367
vomsaal@missouri.edu

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Subject: Re: GBH commentary - revisit
[REDACTED]

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We have good government figures for desiccant use in the U.K. but if figures for the US are not available [REDACTED]

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The guides from Monsanto promoting the use and providing technical guidance are a good cite; several commodity organizations and grower groups have guides out; you can cite my GLY use paper, and pick from refs 41-43 in that paper. Do this search in PubMed -- desiccant glyphosate seed

It goes to a 2003 paper, but also has a paper that cites this one, and this will get you into the literature on pre-harvest burndown uses triggering morphological changes in the seeds set by plants exposed to low-levels of GLY from drift. There are several papers re potatoes, wheat, and other small grains. It is a literature that is growing; there are some papers from UK scientists, as well, sorry I don't have them handy.

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On Mon, Nov 21, 2016 at 5:44 AM, Laura Vandenberg <lvandenberg@schoolph.umass.edu> wrote:

ASAP?

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Laura

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Amherst, MA 01003
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lvandenberg@schoolph.umass.edu

From: Antoniou, Michael <michael.antoniou@kcl.ac.uk>

Sent: Monday, November 21, 2016 5:59 AM

To: Michael Hansen

Cc: Laura Vandenberg; Landrigan, Philip; Charles Benbrook; Pete Myers; robin mesnage; Bruce Blumberg; Bruce Lanphear; Lorne Evered; Patrick Holden; Lynn Carroll; Fred vom Saal; Wade Welshons

Subject: Re: GBH commentary - revisit

Dear colleagues

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Best wishes

Michael

Sent from my iPhone

Dr Michael Antoniou

Head: Gene Expression and Therapy Group

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Web: <https://www.kcl.ac.uk/lsm>

Skype: [REDACTED]

On 20 Nov 2016, at 20:54, Michael Hansen <mhansen@consumer.org> wrote:

I also agree to be an author on this paper. [REDACTED]

Michael

Michael Hansen, Ph.D.

Senior Scientist

Consumers Union

101 Truman Ave.

Yonkers, NY 10703

o: 914-378-2452

c: [REDACTED]

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Laura

Laura N. Vandenberg, PhD

Assistant Professor

University of Massachusetts – Amherst

School of Public Health & Health Sciences

Department of Environmental Health Science

686 N. Pleasant Street

171A Goessmann

Amherst, MA 01003

Tel: 413.577.7405

lvandenberg@schoolph.umass.edu

From: Laura Vandenberg

Sent: Sunday, November 6, 2016 6:24 PM

To: Landrigan, Philip; Charles Benbrook

Cc: Pete Myers; robin mesnage; Bruce Blumberg; Bruce Lanphear; Lorne Evere; Michael Hansen Ph.D.; Michael Antoniou; Patrick Holden; Lynn Carroll; Fred vom Saal; Wade Welshons

Subject: GBH commentary - revisit

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Laura N. Vandenberg, PhD
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2 of 3 4/25/2017 5:34 PM

Re: GBH commentary - revisit

--

Bruce Blumberg, PhD.
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and Pharmaceutical Sciences
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e-mail: blumberg@uci.edu
web: <http://blumberg-lab.bio.uci.edu/>
<http://blumberg.bio.uci.edu/>

3 of 3 4/25/2017 5:34 PM

Subject: Re: GBH commentary - revisit
From: "Vomsaal, Frederick S." <VomsaalF@missouri.edu>
Date: 11/21/2016 9:29 AM
To: Lorne Everett <LEverett@everettassociates.net>, Michael Hansen <mhansen@consumer.org>, Laura Vandenberg <lvandenberg@schoolph.umass.edu>
CC: "Landrigan, Philip" <philip.landrigan@mssm.edu>, Charles Benbrook <[REDACTED]> Pete Myers <JPMyers@ehsic.org>, robin mesnage <[REDACTED]> Bruce Blumberg <blumberg@uci.edu>, Bruce Lanphear <bpl3@sfu.ca>, Michael Antoniou <michael.antoniou@kcl.ac.uk>, Patrick Holden <patrick@sustainablefoodtrust.org>, Lynn Carroll <[REDACTED]> "Welshons, Wade V." <WelshonsW@missouri.edu>

[REDACTED]

Fred

Frederick S. vom Saal
Curators' Distinguished Professor
Division of Biological Sciences
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Columbia MO 65211
573-882-4367
vomsaal@missouri.edu

From: Lorne Evere [mailto:LEvere@evereassociates.net]
Date: Monday, November 21, 2016 at 10:48 AM
To: Michael Hansen <mhansen@consumer.org>, Laura Vandenberg <lvandenberg@schoolph.umass.edu>
Cc: "Landrigan, Philip" <philip.landrigan@mssm.edu>, Charles Benbrook <[REDACTED]> Pete Myers <JPMyers@ehsic.org>, robin mesnage <[REDACTED]> Bruce Blumberg <blumberg@uci.edu>, Bruce Lanphear <bpl3@sfu.ca>, Michael Antoniou <michael.antoniou@kcl.ac.uk>, Patrick Holden <patrick@sustainablefoodtrust.org>, Lynn Carroll <[REDACTED]> Fred vomsaal <VomsaalF@missouri.edu>, Wade Welshons <WelshonsW@missouri.edu>
Subject: RE: GBH commentary - revisit

Thanks Michael
Point well taken.
Best
lorne

From: Michael Hansen [mailto:mhansen@consumer.org]
Sent: Sunday, November 20, 2016 8:54 PM
To: Laura Vandenberg <lvandenberg@schoolph.umass.edu>
Cc: Landrigan, Philip <philip.landrigan@mssm.edu>; Charles Benbrook <[REDACTED]> Pete Myers <JPMyers@ehsic.org>; robin mesnage <[REDACTED]> Bruce Blumberg <blumberg@uci.edu>; Bruce Lanphear <bpl3@sfu.ca>; Lorne Evere [mailto:LEvere@evereassociates.net]; Michael Antoniou <michael.antoniou@kcl.ac.uk>; Patrick Holden <patrick@sustainablefoodtrust.org>; Lynn Carroll <[REDACTED]> Fred vom Saal <vomsaalf@missouri.edu>; Wade Welshons <WelshonsW@missouri.edu>
Subject: Re: GBH commentary - revisit

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[REDACTED]

Michael

Michael Hansen, Ph.D.
Senior Scientist
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Yonkers, NY 10703
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Re: GBH commentary - revisit
1 of 1 4/25/2017 5:33 PM

Subject: Re: GBH commentary - revisit

From: "Vomsaal, Frederick S." <VomsaalF@missouri.edu>

Date: 11/21/2016 12:14 PM

To: Laura Vandenberg <lvandenberg@schoolph.umass.edu>, "Antoniou, Michael" <michael.antoniou@kcl.ac.uk>, Bruce Blumberg <blumberg@uci.edu>

CC: Charles Benbrook <[REDACTED]> Michael Hansen <mhansen@consumer.org>, "Landrigan, Philip" <philip.landrigan@mssm.edu>, "Pete Myers" <JPMyers@ehsic.org>, robin mesnage <[REDACTED]> Bruce Lanphear <bpl3@sfu.ca>, Lorne Everett <LEverett@everettassociates.net>, Patrick Holden <patrick@sustainablefoodtrust.org>, Lynn Carroll <[REDACTED]> "Welshons, Wade V." <WelshonsW@missouri.edu>

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From: Laura Vandenberg <lvandenberg@schoolph.umass.edu>

Date: Monday, November 21, 2016 at 1:44 PM

To: "Antoniou, Michael" <michael.antoniou@kcl.ac.uk>, Bruce Blumberg <blumberg@uci.edu>

Cc: Charles Benbrook <[REDACTED]> Michael Hansen <mhansen@consumer.org>, "Landrigan, Philip" <philip.landrigan@mssm.edu>, Pete Myers <JPMyers@ehsic.org>, robin mesnage <[REDACTED]> Bruce Lanphear <bpl3@sfu.ca>, Lorne Everett <LEverett@everettassociates.net>, Patrick Holden <patrick@sustainablefoodtrust.org>, Lynn Carroll <[REDACTED]> Fred vomsaal <VomsaalF@missouri.edu>, Wade Welshons <WelshonsW@missouri.edu>

Subject: Re: GBH commentary - revisit

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From: Antoniou, Michael <michael.antoniou@kcl.ac.uk>

Sent: Monday, November 21, 2016 2:32 PM

To: Bruce Blumberg

Cc: Charles Benbrook; Laura Vandenberg; Michael Hansen; Landrigan, Philip; Pete Myers; robin mesnage; Bruce Lanphear; Lorne Evere; Patrick Holden; Lynn Carroll; Fred vom Saal; Wade Welshons

Subject: Re: GBH commentary - revisit

Bruce, the use of Roundup as a pre-harvest desiccant varies widely with the territory being mostly used in wet climates such as the UK and Northern Europe in general. So it's bound to be very regional in the US as well I would say.

We have good government figures for desiccant use in the U.K. but if figures for the US are not available

Having said this the recent food survey that I eluded to earlier found by far the highest glyphosate residues in oat based products, notably Cheerios! Since oats are non-GMO and thus no varieties engineered to be glyphosate tolerant,

Certainly in the U.K. glyphosate desiccation is used on wheat, barley, oats, rye, canola, ...

Best wishes

Michael

Sent from my iPhone

Dr Michael Antoniou

Head: Gene Expression and Therapy Group

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Web: <https://www.kcl.ac.uk/lsm>

Skype:

On 21 Nov 2016, at 10:34, Bruce Blumberg <blumberg@uci.edu> wrote:

Chuck,

None of these are use papers, not to mention papers showing greatly increased use for this purpose. Most of what comes up from the google search you suggested are articles from NGOs and consumers groups.

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Re GLY uses as a desiccant or pre-harvest burndown herbicide, there are many things to be cited. Try a search like "<https://www.google.com/#q=desiccating+crops+with+glyphosate>"

The guides from Monsanto promoting the use and providing technical guidance are a good cite; several commodity organizations and grower groups have guides out; you can cite my GLY use paper, and pick from refs 41-43 in that paper.

Do this search in PubMed -- desiccant glyphosate seed

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Chuck

Charles Benbrook
Benbrook Consulting Services
90063 Troy Road
Enterprise, Oregon 97828
Main: 541-828-7918 (always forwarded to cell)
[REDACTED]

On Mon, Nov 21, 2016 at 5:44 AM, Laura Vandenberg <lvandenberg@schoolph.umass.edu> wrote:

[REDACTED]

ASAP?
Thanks,
Laura

Laura N. Vandenberg, PhD
Assistant Professor
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Re: GBH commentary - revisit
1 of 2 4/25/2017 5:33 PM

web: <http://blumberg-lab.bio.uci.edu/>
<http://blumberg.bio.uci.edu/>

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Date: 11/21/2016 10:24 AM

To: Charles Benbrook <[REDACTED]>, Laura Vandenberg <lvandenberg@schoolph.umass.edu>

CC: "Antoniou, Michael" <michael.antoniou@kcl.ac.uk>, Michael Hansen <mhansen@consumer.org>, "Landrigan, Philip" <philip.landrigan@mssm.edu>, Pete Myers <JPMyers@ehsic.org>, robin mesnage <[REDACTED]>, Bruce Lanphear <bpl3@sfu.ca>, Lorne Everett <LEverett@everettassociates.net>, Patrick Holden <patrick@sustainablefoodtrust.org>, Lynn Carroll <[REDACTED]> Fred vom Saal <vomsaalf@missouri.edu>, Wade Welshons <WelshonsW@missouri.edu>

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Finally, I think Lynn is the only person I haven't heard from... can you please let me know if you're willing to be an author ASAP?

Thanks,

Laura

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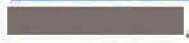
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Search the world's information, including webpages, images, videos and more. Google has many special features to help you find exactly what you're looking for.

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Subject: Re: GBH commentary - revisit

From: Bruce Blumberg <blumberg@uci.edu>

Date: 11/21/2016 11:52 AM

To: "Antoniou, Michael" <michael.antoniou@kcl.ac.uk>

Hi Michael,

I agree with you but want to see publications showing actual data that can be cited. Otherwise we are not much better than the crazies. [REDACTED]

Best,

Bruce

On 11/21/2016 11:32 AM, Antoniou, Michael wrote:

Bruce, the use of Roundup as a pre-harvest dessicant varies widely with the territory being mostly used in wet climates such as the UK and Northern Europe in general. So it's bound to be very regional in the US as well I would say.

We have good government figures for dessicant use in the U.K. but if figures for the US are not available [REDACTED]

Having said this the recent food survey that I eluded to earlier found by far the highest glyphosate residues in oat based products, notably Cheerios! Since oats are non-GMO and thus no varieties engineered to be glyphosate tolerant, [REDACTED]

Certainly in the U.K. glyphosate desiccation is used on wheat, barley, oats, rye, canola, ...

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Thanks - I agree that there are concerns about ELISA for the measurement of glyphosate beyond water samples, and I think we want to avoid citing anything but the best peer-reviewed work. I do hope someone will test these items (breast milk, wine) with analytical chemistry methods in the future. Since this is a commentary and we have limited words (and already too many citations), I'll be referring back to our consensus statement as a reference whenever appropriate.

Chuck, some of the edits you made to the manuscript refer to the use of GBHs as desiccants. I have found only a few trade-organization pieces (non-peer reviewed) about this use. Do you have better (and peer-reviewed) citations to support statements about this expanded application?

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Sent: Monday, November 21, 2016 5:59 AM
To: Michael Hansen
Cc: Laura Vandenberg; Landrigan, Philip; Charles Benbrook; Pete Myers; robin mesnage; Bruce Blumberg; Bruce Lanphear; Lorne Everett; Patrick Holden; Lynn Carroll; Fred vom Saal; Wade Welshons
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Mailing address: 2011 Biological Sciences 3
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Date: 11/21/2016 12:04 PM

To: Bruce Blumberg <blumberg@uci.edu>

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Thoughts about suggested reviewers??

Best,
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Date: 11/21/2016 12:05 PM

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CC: "Antoniou, Michael" <michael.antoniou@kcl.ac.uk>, Bruce Blumberg <blumberg@uci.edu>, Charles Benbrook [REDACTED], "Landrigan, Philip"

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Sent: Monday, November 21, 2016 3:03 PM

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lvandenberg@schoolph.umass.edu

From: Antoniou, Michael <michael.antoniou@kcl.ac.uk>

Sent: Monday, November 21, 2016 2:32 PM

To: Bruce Blumberg

Cc: Charles Benbrook; Laura Vandenberg; Michael Hansen; Landrigan, Philip; Pete Myers; robin mesnage; Bruce Lanphear; Lorne Everett; Patrick Holden; Lynn Carroll; Fred vom Saal; Wade Welshons

Subject: Re: GBH commentary - revisit

Bruce, the use of Roundup as a pre-harvest dessicant varies widely with the territory being mostly used in wet climates such as the UK and Northern Europe in general. So it's bound to be very regional in the US as well I would say.

We have good government figures for dessicant use in the U.K. but if figures for the US are not available [REDACTED]

Having said this the recent food survey that I eluded to earlier found by far the highest glyphosate residues in oat based products, notably Cheerios! Since oats are non-GMO and thus no varieties engineered to be glyphosate tolerant, [REDACTED]

Certainly in the U.K. glyphosate desiccation is used on wheat, barley, oats, rye, canola, ...

[REDACTED]

Best wishes

Michael

Sent from my iPhone
Dr Michael Antoniou
Head: Gene Expression and Therapy Group
King's College London
Faculty of Life Sciences & Medicine
Department of Medical and Molecular Genetics
8th Floor, Tower Wing
Guy's Hospital
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Email: michael.antoniou@kcl.ac.uk
Web: <https://www.kcl.ac.uk/lsm>
Skype: [REDACTED]

On 21 Nov 2016, at 10:34, Bruce Blumberg <blumberg@uci.edu> wrote:

Chuck,

None of these are use papers, not to mention papers showing greatly increased use for this purpose. Most of what comes up from the google search you suggested are articles from NGOs and consumers groups.

I saw Mike Skinner recently at a meeting and when we were discussing Roundup and its widespread dessicant use on wheat and corn he was adamant that no one he knows ([REDACTED]) uses glyphosate in this way. [REDACTED]

Bruce

On 11/21/2016 7:34 AM, Charles Benbrook wrote:

Laura --

Re GLY uses as a desiccant or pre-harvet burndown herbicide, there are many things to be cited. Try a search like "<https://www.google.com/#q=desiccating+crops+with+glyphosate>"

The guides from Monsanto promoting the use and providing technical guidance are a good cite; several commodity organizations and grower groups have guides out; you can cite my GLY use paper, and pick from ref.s 41-43 in that paper.

Do this search in PubMed -- desiccant glyphosate seed

It goes to a 2003 paper, but also has a paper that cites this one, and this will get you into the literature on pre-harvest burndown uses triggering morphological changes in the seeds set by plants exposed to low-levels of GLY from drift. There are several papers re potatoes, wheat, and other small grains. It is a literature that is growing; there are some papers from UK scientists, as well, sorry I don't have them handy.

Chuck

Charles Benbrook
Benbrook Consulting Services
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Enterprise, Oregon 97828
Main: [541-828-7918](tel:541-828-7918) (always forwarded to cell)

On Mon, Nov 21, 2016 at 5:44 AM, Laura Vandenberg <l.vandenberg@schoolph.umass.edu> wrote:

[Redacted]

[Redacted]

Finally, I think Lynn is the only person I haven't heard from... can you please let me know if you're willing to be an author ASAP?

Thanks,

Laura

Laura N. Vandenberg, PhD

Assistant Professor
University of Massachusetts – Amherst
School of Public Health & Health Sciences
Department of Environmental Health Science
686 N. Pleasant Street
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lvandenberg@schoolph.umass.edu

From: Antoniou, Michael <michael.antoniou@kcl.ac.uk>
Sent: Monday, November 21, 2016 5:59 AM
To: Michael Hansen
Cc: Laura Vandenberg; Landrigan, Philip; Charles Benbrook; Pete Myers; robin mesnage; Bruce Blumberg; Bruce Lanphear; Lorne Everett; Patrick Holden; Lynn Carroll; Fred vom Saal; Wade Welshons
Subject: Re: GBH commentary - revisit

Dear colleagues

[REDACTED]

If one is to quote any public testing of foodstuffs the latest conducted by Food Democracy and the Detox Project which employed an ISO certified company (Anresco, San Francisco) who employed LC-MSMS technology can thus be fully trusted.

Best wishes

Michael

Sent from my iPhone
Dr Michael Antoniou
Head: Gene Expression and Therapy Group
King's College London
Faculty of Life Sciences & Medicine
Department of Medical and Molecular Genetics
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Guy's Hospital
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Email: michael.antoniou@kcl.ac.uk
Web: <https://www.kcl.ac.uk/lsm>
Skype: [REDACTED]

On 20 Nov 2016, at 20:54, Michael Hansen <mhansen@consumer.org> wrote:

I also agree to be an author on this paper. [REDACTED]

Michael

Michael Hansen, Ph.D.
Senior Scientist
Consumers Union
101 Truman Ave.
Yonkers, NY 10703
o: [914-378-2452](tel:9143782452)
c: [REDACTED]

On Fri, Nov 18, 2016 at 7:24 AM, Laura Vandenberg
<lvandenberg@schoolph.umass.edu> wrote:

Thanks to all that have agreed to be authors and have sent comments on the circulated drafts. Please, if I have not heard from you, send me your approval/consent to be an author, as well as final proposed edits, by Sunday. If I do not hear from you, I will assume you do not wish to be an author on this commentary. [REDACTED]

Best,

Laura

Laura N. Vandenberg, PhD
Assistant Professor
University of Massachusetts – Amherst

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171A Goessmann
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Tel: [413.577.7405](tel:413.577.7405)
lvandenberg@schoolph.umass.edu

From: Laura Vandenberg
Sent: Sunday, November 6, 2016 6:24 PM
To: Landrigan, Philip; Charles Benbrook
Cc: Pete Myers; robin mesnage; Bruce Blumberg; Bruce Lanphear; Lorne Everett; Michael Hansen Ph.D.; Michael Antoniou; Patrick Holden; Lynn Carroll; Fred vom Saal; Wade Welshons
Subject: GBH commentary - revisit

Hi Everyone,



Can you please review this draft and send me any comments or edits by November 20th (2 weeks from now)? Please also verify that you agree to be an author.

Best,

Laura

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--

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Subject: Re: GBH commentary - revisit
From: Bruce Blumberg <blumberg@uci.edu>
Date: 11/21/2016 2:07 PM
To: Michael Hansen <mhansen@consumer.org>

Hi Michael,

Yeah, my bad. Zen means well, but is irrational and combative. [REDACTED]

[REDACTED] She completely buys the crap that Samsell and Seneff peddle and it is impossible to reason with her. [REDACTED]

[REDACTED] NonToxic Irvine has accomplished more in a few months than MAA has in its history.

I saw that latest nonsense from S&S. I wonder what is the molecular basis of glycine tRNAs being charged with glyphosate instead of glycine.

Best,
Bruce

On 11/21/2016 12:07 PM, Michael Hansen wrote:

It's Zen Honeycutt, and I agree with you completely. I went to the EPA HQ with her a couple of years ago when the breast milk and urine test results came out and was amazed that the EPA folks sat for more than 2 hours to hear her and the other mothers tell their crazy stories about how autoimmune and gut symptoms went away after switching to GM-free food, and even how a walnut allergy disappeared (what does that have to do with GE!!). I do try to reason with her since she's not as batshit crazy and

Samsell and Seneff, who should know better because they both have PhDs, but keep publishing their crazy theories, which activists like Zen Honeycutt and Jeffrey Smith then promulgate. The latest one is that glyphosate is actually a modified amino acid (modified glycine), so that many proteins now are being made with glyphosate in them.

Michael Hansen, Ph.D.

Senior Scientist
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c: [REDACTED]

On Mon, Nov 21, 2016 at 2:50 PM, Bruce Blumberg <blumberg@uci.edu> wrote:

That's because Zen Holloway is a charter member of the lunatic fringe. She is batshit crazy, although well meaning....

On 11/21/2016 11:34 AM, Michael Hansen wrote:

The sad thing is that you can tell some of these people, e.g. Moms Across America, multiple times about the problems of the use of ELISA tests, but they still persist in using them because it is relatively inexpensive and because there is a couple of testing companies--Microbe Inotech and Abraxis--that have been pushing these ELISA tests for a range of foods.

Michael Hansen, Ph.D.

Senior Scientist
Consumers Union
101 Truman Ave.
Yonkers, NY 10703
o: 914-378-2452
c: [REDACTED]

On Mon, Nov 21, 2016 at 2:17 PM, Antoniou, Michael <michael.antoniou@kcl.ac.uk> wrote:

Too true Fred

I'm literally banging my head against a brick wall to get otherwise well meaning activists (excluding Samsel & Seneff who are perpetrators of misinformation) to see these points about [REDACTED]

Michael

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Web: <https://www.kcl.ac.uk/lsm>
Skype: [REDACTED]

On 21 Nov 2016, at 09:30, Vomsaal, Frederick S. <VomsaalF@missouri.edu> wrote:

[REDACTED]

the case.
Fred

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vomsaal@missouri.edu

From: Lorne Evere [mailto:LEvere@evereassociates.net]
Date: Monday, November 21, 2016 at 10:48 AM
To: Michael Hansen <mhansen@consumer.org>, Laura Vandenberg <lvandenberg@schoolph.umass.edu>
Cc: "Landrigan, Philip" <philip.landrigan@mssm.edu>, Charles Benbrook <[REDACTED]> Pete Myers <JPMyers@ehsic.org>, robin mesnage <[REDACTED]> Bruce Blumberg <blumberg@uci.edu>, Bruce Lanphear <bp13@sfu.ca>, Michael Antoniou <michael.antoniou@kcl.ac.uk>, Patrick Holden <patrick@sustainablefoodtrust.org>, Lynn Carroll <[REDACTED]> Fred vomsaal <VomsaalF@missouri.edu>, Wade Welshons <WelshonsW@missouri.edu>
Subject: RE: GBH commentary - revisit

Thanks Michael
Point well taken.
Best
lorne

From: Michael Hansen [<mailto:mhansen@consumer.org>]
Sent: Sunday, November 20, 2016 8:54 PM
To: Laura Vandenberg <lvandenberg@schoolph.umass.edu>
Cc: Landrigan, Philip <philip.landrigan@mssm.edu>; Charles Benbrook <[REDACTED]> Pete Myers <JPMyers@ehsic.org>; robin mesnage <[REDACTED]> Bruce Blumberg <blumberg@uci.edu>; Bruce Lanphear <bp13@sfu.ca>; Lorne Evere [mailto:LEvere@evereassociates.net]; Michael Antoniou <michael.antoniou@kcl.ac.uk>; Patrick Holden <patrick@sustainablefoodtrust.org>; Lynn Carroll <[REDACTED]> Fred vom Saal <vomsaalf@missouri.edu>; Wade Welshons <WelshonsW@missouri.edu>
Subject: Re: GBH commentary - revisit

I also agree to be an author on this paper. [REDACTED]

[REDACTED]

Michael
Michael Hansen, Ph.D.
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c: [REDACTED]

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Best,
Laura

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Subject: GBH commentary - revisit

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[REDACTED]

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Best,
Laura

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--

Bruce Blumberg, PhD.
Professor

Re: GBH commentary - revisit
1 of 2 4/25/2017 5:33 PM

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Re: GBH commentary - revisit
2 of 2 4/25/2017 5:33 PM

Subject: Re: GBH commentary - revisit
From: Bruce Blumberg <blumberg@uci.edu>

Date: 11/21/2016 2:22 PM

To: Pete Myers <jpmyers@ehsic.org>

I think that they are simply clueless and have no ability to discriminate between fact and fantasy.

On 11/21/2016 2:30 PM, Pete Myers wrote:

Do you think Samsel and Seneff are consciously misrepresenting the true state of the science or is it their inability to discriminate?

On Nov 21, 2016, at 2:17 PM, Antoniou, Michael <michael.antoniou@kcl.ac.uk> wrote:

Too true Fred

I'm literally banging my head against a brick wall to get otherwise well meaning activists (excluding Samsel & Seneff who are perpetrators of misinformation) to see these points about [REDACTED]!
Michael

Sent from my iPhone

Dr Michael Antoniou
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Sky pe: [REDACTED]

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[REDACTED]

Fred

Frederick S. vom Saal
Curators' Distinguished Professor
Division of Biological Sciences
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Columbia MO 65211
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vomsaal@missouri.edu

From: Lorne Evere <LEvere@evereassociates.net>

Date: Monday, November 21, 2016 at 10:48 AM

To: Michael Hansen <mhansen@consumer.org>, Laura Vandenberg <lvandenberg@schoolph.umass.edu>

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Subject: RE: GBH commentary - revisit

Thanks Michael
Point well taken.
Best
lorne

From: Michael Hansen [mailto:mhansen@consumer.org]
Sent: Sunday, November 20, 2016 8:54 PM
To: Laura Vandenberg <lvandenberg@schoolph.umass.edu>
Cc: Landrigan, Philip <philip.landrigan@mssm.edu>; Charles Benbrook <[REDACTED]> Pete Myers <JPMyers@ehsic.org>; robin mesnage <[REDACTED]> Bruce Blumberg <blumberg@uci.edu>; Bruce Lanphear <bpl3@sfu.ca>; Lorne Evere <LEvere@evereassociates.net>; Michael Antoniou <michael.antoniou@kcl.ac.uk>; Patrick Holden <patrick@sustainablefoodtrust.org>; Lynn Carroll <[REDACTED]> Fred vom Saal <vomsaalf@missouri.edu>; Wade Welshons <WelshonsW@missouri.edu>
Subject: Re: GBH commentary - revisit

I also agree to be an author on this paper. [REDACTED]

Michael

Michael Hansen, Ph.D.
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c: [REDACTED]

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Best,
Laura

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Cc: Pete Myers; robin mesnage; Bruce Blumberg; Bruce Lanphear; Lorne Evere & Michael Hansen Ph.D.; Michael Antoniou; Patrick Holden; Lynn Carroll; Fred vom Saal; Wade Welshons
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Laura

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Re: GBH commentary - revisit
1 of 1 4/25/2017 5:33 PM

Subject: Re: GBH commentary - revisit

From: Charles Benbrook <[REDACTED]>

Date: 11/21/2016 12:27 PM

To: "Vomsaal, Frederick S." <VomsaalF@missouri.edu>

CC: Laura Vandenberg <lvandenberg@schoolph.umass.edu>, "Antoniou, Michael" <michael.antoniou@kcl.ac.uk>, Bruce Blumberg <blumberg@UCI.EDU>, Michael Hansen <mhansen@consumer.org>, "Landrigan, Philip" <philip.landrigan@mssm.edu>, Pete Myers <JPMyers@ehsic.org>, robin mesnage <[REDACTED]> Bruce Lanphear <bp13@sfu.ca>, Lorne Everett <LEverett@everettassociates.net>, Patrick Holden <patrick@sustainablefoodtrust.org>, Lynn Carroll <[REDACTED]> "Welshons, Wade V." <WelshonsW@missouri.edu>

Laura et all --

Lots of good points. It is clear that in the UK and much of northern Europe, between 30% and 60% of small grains annually are treated with GLY as a pre-harvest burndown use. This rule of thumb re use matches closely the % of bread, wheat flour etc samples tested by UK-FSA for GLY residues. [REDACTED]

I am certain use as a desiccant in the US is less common than in northern Europe, but I also know it is very high in some crops -
- Ian Burke, the top weed scientist at WSU told me that nearly 100% of garbanzo beans grown in WA state are treated with GLY as a harvest aid. [REDACTED]

[REDACTED]

Chuck

Charles Benbrook
Benbrook Consulting Services
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Enterprise, Oregon 97828
Main: 541-828-7918 (always forwarded to cell)
[REDACTED]

On Mon, Nov 21, 2016 at 12:14 PM, Vomsaal, Frederick S. <VomsaalF@missouri.edu> wrote:

[REDACTED]

Fred

Frederick S. vom Saal
Curators' Distinguished Professor
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Columbia MO 65211
573-882-4367
vomsaal@missouri.edu

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Date: Monday, November 21, 2016 at 1:44 PM
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Cc: Charles Benbrook <[REDACTED]>, Michael Hansen <mhansen@consumer.org>, "Landrigan, Philip" <philip.landrigan@mssm.edu>, Pete Myers <JPMyers@ehsic.org>, robin mesnage <[REDACTED]>, Bruce Lanphear <bpl3@sfu.ca>, Lorne Evere <LEvere@evereassociates.net>, Patrick Holden <patrick@sustainablefoodtrust.org>, Lynn Carroll <[REDACTED]>, Fred vomsaal <VomsaalF@missouri.edu>, Wade Welshons <WelshonsW@missouri.edu>
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Subject: Re: GBH commentary - revisit

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We have good government figures for dessicant use in the U.K. [REDACTED]

Having said this the recent food survey that I eluded to earlier found by far the highest glyphosate residues in oat based products, notably Cheerios! Since oats are non-GMO and thus no varie^{ties}es engineered to be glyphosate tolerant, [REDACTED]

Certainly in the U.K. glyphosate desicca^{tion} is used on wheat, barley, oats, rye, canola, ...

Best wishes

Michael

Sent from my iPhone

Dr Michael Antoniou
Head: Gene Expression and Therapy Group
King's College London
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Department of Medical and Molecular Gene^{tics}
8th Floor, Tower Wing
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Web: <https://www.kcl.ac.uk/lsm>
Skype: [REDACTED]

On 21 Nov 2016, at 10:34, Bruce Blumberg <blumberg@uci.edu> wrote:

Chuck,

None of these are use papers, not to mention papers showing greatly increased use for this purpose. Most of what comes up from the google search you suggested are articles from NGOs and consumers groups.

I saw Mike Skinner recently at a meeting and when we were discussing Roundup and its widespread dessicant use on wheat and corn he was adamant that no one he knows ([REDACTED]) uses glyphosate in this way. [REDACTED]

Bruce

On 11/21/2016 7:34 AM, Charles Benbrook wrote:

Laura --

Re GLY uses as a desiccant or pre-harvet burndown herbicide, there are many things to be cited. Try a search like "<https://www.google.com/#q=desicca%ng+crops+with+glyphosate>"

The guides from Monsanto promo%ng the use and providing technical guidance are a good cite; several commodity organiza%ons and grower groups have guides out; you can cite my GLY use paper, and pick from ref.s 41-43 in that paper. Do this search in PubMed -- desiccant glyphosate seed

It goes to a 2003 paper, but also has a paper that cites this one, and this will get you into the literature on pre-harvest burndown uses triggering morphological changes in the seeds set by plants exposed to low-levels of GLY from dri%. There are several papers re potatoes, wheat, and other small grains. It is a literature that is growing; there are some papers from UK scien%sts, as well, sorry I don't have them handy.

Chuck

Charles Benbrook
Benbrook Consul%ng Services
90063 Troy Road
Enterprise, Oregon 97828
Main: [541-828-7918](tel:541-828-7918) (always forwarded to cell)

On Mon, Nov 21, 2016 at 5:44 AM, Laura Vandenberg <lvandenberg@schoolph.umass.edu> wrote:

Thanks,
Laura

Laura N. Vandenberg, PhD
Assistant Professor
University of Massachuse%s – Amherst
School of Public Health & Health Sciences
Department of Environmental Health Science
686 N. Pleasant Street
171A Goessmann
Amherst, MA 01003
Tel: 413.577.7405

Re: GBH commentary - revisit
1 of 2 4/25/2017 5:33 PM

lvandenberg@schoolph.umass.edu

From: Antoniou, Michael <michael.antoniou@kcl.ac.uk>

Sent: Monday, November 21, 2016 5:59 AM

To: Michael Hansen

Cc: Laura Vandenberg; Landrigan, Philip; Charles Benbrook; Pete Myers; robin mesnage; Bruce Blumberg; Bruce Lanphear; Lorne Evere%; Patrick Holden; Lynn Carroll; Fred vom Saal; Wade Welshons

Subject: Re: GBH commentary - revisit

Dear colleagues

If one is to quote any public testing of foodstuffs the latest conducted by Food Democracy and the Detox Project which employed an ISO certified company (Anresco, San Francisco) who employed LC-MSMS technology can thus be fully trusted.

Best wishes
Michael

Sent from my iPhone
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Web: <https://www.kcl.ac.uk/lsm>
Skype: [REDACTED]

On 20 Nov 2016, at 20:54, Michael Hansen <mhansen@consumer.org> wrote:

I also agree to be an author on this paper. [REDACTED]

Michael
Michael Hansen, Ph.D.
Senior Scientist
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101 Truman Ave.
Yonkers, NY 10703
o: 914-378-2452
c: [REDACTED]

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Laura

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171A Goessmann
Amherst, MA 01003
Tel: 413.577.7405
lvandenberg@schoolph.umass.edu

From: Laura Vandenberg
Sent: Sunday, November 6, 2016 6:24 PM

To: Landrigan, Philip; Charles Benbrook

Cc: Pete Myers; robin mesnage; Bruce Blumberg; Bruce Lanphear; Lorne Evere; Michael Hansen Ph.D.; Michael Antoniou; Patrick Holden; Lynn Carroll; Fred vom Saal; Wade Welshons

Subject: GBH commentary - revisit

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--

Bruce Blumberg, PhD.
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and Pharmaceutical Sciences
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Mailing address: 2011 Biological Sciences 3
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lab: 949-824-6873
fax: 949-824-4709
e-mail: blumberg@uci.edu
web: <http://blumberg-lab.bio.uci.edu/>
<http://blumberg.bio.uci.edu/>

Re: GBH commentary - revisit
2 of 2 4/25/2017 5:33 PM

Subject: Re: GBH commentary - revisit

From: Charles Benbrook <[REDACTED]>

Date: 11/21/2016 2:08 PM

To: Laura Vandenberg <lvandenberg@schoolph.umass.edu>

CC: "Vomsaal, Frederick S." <VomsaalF@missouri.edu>, "Antoniou, Michael" <michael.antoniou@kcl.ac.uk>, Bruce Blumberg <blumberg@uci.edu>, Michael Hansen <mhansen@consumer.org>, "Landrigan, Philip" <philip.landrigan@mssm.edu>, Pete M

yers <JPM yers@ehsic.org>, robin mesnage <[REDACTED]> Bruce Lanphear <bpl3@sfu.ca>, Lorne Everett <LEverett@everettassociates.net>, Patrick Holden <patrick@sustainablefoodtrust.org>, Lynn Carroll <[REDACTED]> "Welshons, Wade V." <WelshonsW@missouri.edu>, Charles Benbrook <[REDACTED]>

Laura et all --

This is fine by me, I would prefer a sentence re higher tolerances have been sought to cover the expected, higher residues, but am o.k. if that makes anyone nervous.

I know there are several papers in peer revised journals, and apologies for not having time to relocate them.

We make the point needed for this commentary, and the residues following desiccant uses and risks stemming therefrom remain on the "to do" list.

Chuck

Charles Benbrook
Benbrook Consulting Services
90063 Troy Road
Enterprise, Oregon 97828
Main: 541-828-7918 (always forwarded to cell)
[REDACTED]

On Mon, Nov 21, 2016 at 1:18 PM, Laura Vandenberg <lvandenberg@schoolph.umass.edu> wrote:

This is as far as I am comfortable going:

[REDACTED]

Please find and share citations ASAP if you would like to consider adding stronger language.

Let me know tonight if this is a make-or-break paragraph for you, so I can remove you from the authors' list. I will be submitting the manuscript tomorrow.

Thanks,

Laura

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Sent: Monday, November 21, 2016 3:27 PM
To: Vomsaal, Frederick S.
Cc: Laura Vandenberg; Antoniou, Michael; Bruce Blumberg; Michael Hansen; Landrigan, Philip; Pete Myers; robin mesnage; Bruce Lanphear; Lorne Everett; Patrick Holden; Lynn Carroll; Welshons, Wade V.
Subject: Re: GBH commentary – revisit

Laura et all --

Lots of good points. It is clear that in the UK and much of northern Europe, between 30% and 60% of small grains annually are treated with GLY as a pre-harvest burndown use. This rule of thumb re use matches closely the % of bread, wheat flour etc samples tested by UK-FSA for GLY residues. [REDACTED]

I am certain use as a desiccant in the US is less common than in northern Europe, but I also know it is very high in some crops - Ian Burke, the top weed scientist at WSU told me that nearly 100% of garbanzo beans grown in WA state are treated with GLY as a harvest aid. [REDACTED]

Chuck

Charles Benbrook
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Enterprise, Oregon 97828
Main: 541-828-7918 (always forwarded to cell)

On Mon, Nov 21, 2016 at 12:14 PM, Vomsaal, Frederick S. <VomsaalF@missouri.edu> wrote:

Fred

Frederick S. vom Saal
Curators' Distinguished Professor
Division of Biological Sciences
105 Lefevre Hall
University of Missouri-Columbia
Columbia MO 65211
573-882-4367
vomsaal@missouri.edu

From: Laura Vandenberg <lvandenberg@schoolph.umass.edu>

Date: Monday, November 21, 2016 at 1:44 PM

To: "Antoniou, Michael" <michael.antoniou@kcl.ac.uk>, Bruce Blumberg <blumberg@uci.edu>

Cc: Charles Benbrook <[REDACTED]>, Michael Hansen <mhansen@consumer.org>, "Landrigan, Philip" <philip.landrigan@mssm.edu>, Pete Myers <JPMyers@ehsic.org>, robin mesnage <[REDACTED]>, Bruce Lanphear <bpl3@sfu.ca>, Lorne Evere <LEvere@evereassociates.net>, Patrick Holden <patrick@sustainablefoodtrust.org>, Lynn Carroll <[REDACTED]>, Fred vomsaal <VomsaalF@missouri.edu>, Wade Welshons <WelshonsW@missouri.edu>

Subject: Re: GBH commentary - revisit

Best,
Laura

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From: Antoniou, Michael <michael.antoniou@kcl.ac.uk>

Sent: Monday, November 21, 2016 2:32 PM

To: Bruce Blumberg

Cc: Charles Benbrook; Laura Vandenberg; Michael Hansen; Landrigan, Philip; Pete Myers; robin mesnage; Bruce Lanphear; Lorne Evere; Patrick Holden; Lynn Carroll; Fred vom Saal; Wade Welshons

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Do this search in PubMed -- desiccant glyphosate seed

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Re: GBH commentary - revisit
1 of 3 4/25/2017 5:32 PM

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[REDACTED]

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Skype: [REDACTED]

On 20 Nov 2016, at 20:54, Michael Hansen <mhansen@consumer.org> wrote:

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Michael

Michael Hansen, Ph.D.
Senior Scientist
Consumers Union
101 Truman Ave.
Yonkers, NY 10703
o: 914-378-2452
c: [REDACTED]

On Fri, Nov 18, 2016 at 7:24 AM, Laura Vandenberg <lvandenberg@schoolph.umass.edu> wrote:

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lvandenberg@schoolph.umass.edu

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Sent: Sunday, November 6, 2016 6:24 PM
To: Landrigan, Philip; Charles Benbrook
Cc: Pete Myers; robin mesnage; Bruce Blumberg; Bruce Lanphear; Lorne Evered; Michael Hansen Ph.D.; Michael Antoniou; Patrick Holden; Lynn Carroll; Fred vom Saal; Wade Welshons
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--

Bruce Blumberg, PhD.
Professor
Depts. of Developmental and Cell Biology
and Pharmaceutical Sciences
4103 Natural Sciences 2

Re: GBH commentary - revisit
2 of 3 4/25/2017 5:32 PM

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lab: 949-824-6873
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web: <http://blumberg-lab.bio.uci.edu/>
<http://blumberg.bio.uci.edu/>

Re: GBH commentary - revisit
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Subject: Re: GBH commentary - revisit

From: Charles Benbrook <[REDACTED]>

Date: 11/21/2016 2:34 PM

To: Pete Myers <jpmyers@ehsic.org>

CC: Michael Antoniou <michael.antoniou@kcl.ac.uk>, "Prof. Fred vom Saal" <VomsaalF@missouri.edu>, Lorne Everett <LEverett@everettassociates.net>, "Michael Hansen Ph.D." <mhansen@consumer.org>, Laura Vandenberg <lvandenberg@schoolph.umass.edu>, "Landrigan, Philip" <philip.landrigan@mssm.edu>, Robin Mesnage

<[REDACTED] Bruce Blumberg <blumberg@uci.edu>, Bruce Lanphear <bpl3@sfu.ca>, Patrick Holden <patrick@sustainablefoodtrust.org>, Lynn Carroll <[REDACTED]>
"Welshons, Wade V." <WelshonsW@missouri.edu>

The later -- perhaps not their ability to discriminate, but surely their willingness to invest time in being cautious. They want to see and believe certain things so deeply, with such conviction, that it subconsciously turns of the scientist's best friend, his or her skeptic gene.

Chuck

Charles Benbrook
Benbrook Consulting Services
90063 Troy Road
Enterprise, Oregon 97828
Main: 541-828-7918 (always forwarded to cell)
[REDACTED]

On Mon, Nov 21, 2016 at 2:30 PM, Pete Myers <jpmyers@ehsic.org> wrote:

Do you think Samsel and Seneff are consciously misrepresenting the true state of the science or is it their inability to discriminate?

On Nov 21, 2016, at 2:17 PM, Antoniou, Michael <michael.antoniou@kcl.ac.uk> wrote:

Too true Fred

I'm literally banging my head against a brick wall to get otherwise well meaning activists (excluding Samsel & Seneff who are perpetrators of misinformation) to see these points about [REDACTED]

Michael

Sent from my iPhone

Dr Michael Antoniou
Head: Gene Expression and Therapy Group
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Skype: [REDACTED]

On 21 Nov 2016, at 09:30, Vomsaal, Frederick S. <VomsaalF@missouri.edu> wrote:

[REDACTED]

Fred

Frederick S. vom Saal
Curators' Distinguished Professor
Division of Biological Sciences
105 Lefevre Hall
University of Missouri-Columbia
Columbia MO 65211
573-882-4367
vomsaal@missouri.edu

From: Lorne Evere <LEvere@evereassociates.net>
Date: Monday, November 21, 2016 at 10:48 AM
To: Michael Hansen <mhansen@consumer.org>, Laura Vandenberg <lvandenberg@schoolph.umass.edu>
Cc: "Landrigan, Philip" <philip.landrigan@mssm.edu>, Charles Benbrook <[REDACTED]> Pete Myers <JPMyers@ehsic.org>, robin mesnage <[REDACTED]> Bruce Blumberg <blumberg@uci.edu>, Bruce Lanphear <bpl3@sfu.ca>, Michael Antoniou <michael.antoniou@kcl.ac.uk>, Patrick Holden <patrick@sustainablefoodtrust.org>, Lynn Carroll <[REDACTED]> Fred vomsaal <VomsaalF@missouri.edu>, Wade Welshons <WelshonsW@missouri.edu>
Subject: RE: GBH commentary - revisit

Thanks Michael
Point well taken.
Best
lorne

From: Michael Hansen [mailto:mhansen@consumer.org]
Sent: Sunday, November 20, 2016 8:54 PM
To: Laura Vandenberg <lvandenberg@schoolph.umass.edu>
Cc: Landrigan, Philip <philip.landrigan@mssm.edu>; Charles Benbrook <[REDACTED]> Pete Myers <JPMyers@ehsic.org>; robin mesnage <[REDACTED]> Bruce Blumberg <blumberg@uci.edu>; Bruce Lanphear <bpl3@sfu.ca>; Lorne Evere <LEvere@evereassociates.net>; Michael Antoniou <michael.antoniou@kcl.ac.uk>; Patrick Holden <patrick@sustainablefoodtrust.org>; Lynn Carroll <[REDACTED]> Fred vom Saal <vomsaalf@missouri.edu>; Wade Welshons <WelshonsW@missouri.edu>
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Re: GBH commentary - revisit
1 of 1 4/25/2017 5:32 PM

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This is as far as I am comfortable going:

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Let me know tonight if this is a make-or-break paragraph for you, so I can remove you from the authors' list. I will be submitting the manuscript tomorrow.

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Subject: Re: GBH commentary – revisit

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Lots of good points. It is clear that in the UK and much of northern Europe, between 30% and 60% of small grains annually are treated with GLY as a pre-harvest burndown use. This rule of thumb re use matches closely the % of bread, wheat flour etc samples tested by UK-FSA for GLY residues. [REDACTED]

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Chuck

Charles Benbrook
Benbrook Consulting Services
90063 Troy Road
Enterprise, Oregon 97828
Main: 541-828-7918 (always forwarded to cell)
[REDACTED]

On Mon, Nov 21, 2016 at 12:14 PM, Vomsaal, Frederick S. <VomsaalF@missouri.edu> wrote:

Fred

Frederick S. vom Saal
Curators' Distinguished Professor
Division of Biological Sciences
105 Lefevre Hall
University of Missouri-Columbia
Columbia MO 65211
573-882-4367
vomsaal@missouri.edu

From: Laura Vandenberg <lvandenberg@schoolph.umass.edu>
Date: Monday, November 21, 2016 at 1:44 PM

To: "Antoniou, Michael" < michael.antoniou@kcl.ac.uk >, Bruce Blumberg < blumberg@uci.edu >
Cc: Charles Benbrook < [REDACTED] > Michael Hansen < mhansen@consumer.org >, "Landrigan, Philip"
< philip.landrigan@mssm.edu >, Pete Myers < JPMyers@ehsic.org >, robin mesnage < [REDACTED] > Bruce Lanphear
< bpl3@sfu.ca >, Lorne Evere < LEvere@evereassociates.net >, Patrick Holden < patrick@sustainablefoodtrust.org >, Lynn
Carroll < [REDACTED] > Fred vomsaal < VomsaalF@missouri.edu >, Wade Welshons < WelshonsW@missouri.edu >
Subject: Re: GBH commentary - revisit

Best,
Laura

Laura N. Vandenberg, PhD
Assistant Professor
University of Massachusetts – Amherst
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Department of Environmental Health Science
686 N. Pleasant Street
171A Goessmann
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Tel: 413.577.7405
lvandenberg@schoolph.umass.edu

From: Antoniou, Michael < michael.antoniou@kcl.ac.uk >
Sent: Monday, November 21, 2016 2:32 PM
To: Bruce Blumberg
Cc: Charles Benbrook; Laura Vandenberg; Michael Hansen; Landrigan, Philip; Pete Myers; robin mesnage; Bruce Lanphear;
Lorne Evere; Patrick Holden; Lynn Carroll; Fred vom Saal; Wade Welshons
Subject: Re: GBH commentary - revisit

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Certainly in the U.K. glyphosate desiccation is used on wheat, barley, oats, rye, canola, ...

Best wishes
Michael

Sent from my iPhone

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Head: Gene Expression and Therapy Group
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[REDACTED]

Bruce

On 11/21/2016 7:34 AM, Charles Benbrook wrote:

Laura --

Re GLY uses as a desiccant or pre-harvet burndown herbicide, there are many things to be cited. Try a search like "<https://www.google.com/#q=desiccating+crops+with+glyphosate>"

The guides from Monsanto promoting the use and providing technical guidance are a good cite; several commodity organizations and grower groups have guides out; you can cite my GLY use paper, and pick from refs 41-43 in that paper. Do this search in PubMed -- desiccant glyphosate seed

It goes to a 2003 paper, but also has a paper that cites this one, and this will get you into the literature on pre-harvest burndown uses triggering morphological changes in the seeds set by plants exposed to low-levels of GLY from drift. There are several papers re potatoes, wheat, and other small grains. It is a literature that is growing; there are some papers from UK scientists, as well, sorry I don't have them handy.

Chuck

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On Mon, Nov 21, 2016 at 5:44 AM, Laura Vandenberg <lvandenberg@schoolph.umass.edu> wrote:

[REDACTED]

Thanks,
Laura

Laura N. Vandenberg, PhD
Assistant Professor
University of Massachusetts – Amherst
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From: Antoniou, Michael <michael.antoniou@kcl.ac.uk>

Sent: Monday, November 21, 2016 5:59 AM

To: Michael Hansen

Cc: Laura Vandenberg; Landrigan, Philip; Charles Benbrook; Pete Myers; robin mesnage; Bruce Blumberg; Bruce Lanphear; Lorne Evere; Patrick Holden; Lynn Carroll; Fred vom Saal; Wade Welshons

Subject: Re: GBH commentary - revisit

Dear colleagues

If one is to quote any public testing of foodstuffs the latest conducted by Food Democracy and the Detox Project which employed an ISO certified company (Anresco, San Francisco) who employed LC-MSMS technology can thus be fully trusted.

Best wishes

Michael

Sent from my iPhone

Dr Michael Antoniou
Head: Gene Expression and Therapy Group
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Email: michael.antoniou@kcl.ac.uk
Web: <https://www.kcl.ac.uk/lsm>
Skype: [REDACTED]

On 20 Nov 2016, at 20:54, Michael Hansen <mhansen@consumer.org> wrote:

I also agree to be an author on this paper. [REDACTED]

Michael

Michael Hansen, Ph.D.
Senior Scientist
Consumers Union
101 Truman Ave.
Yonkers, NY 10703
o: 914-378-2452
c: [REDACTED]

On Fri, Nov 18, 2016 at 7:24 AM, Laura Vandenberg <lvandenberg@schoolph.umass.edu> wrote:

Thanks to all that have agreed to be authors and have sent comments on the circulated drafts. Please, if I have not heard from you, send me your approval/consent to be an author, as well as final proposed edits, by Sunday. If I do not hear from you, I will assume you do not wish to be an author on this commentary. [REDACTED]


Best,
Laura

Laura N. Vandenberg, PhD
Assistant Professor
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Re: GBH commentary - revisit
1 of 2 4/25/2017 5:32 PM

From: Laura Vandenberg
Sent: Sunday, November 6, 2016 6:24 PM
To: Landrigan, Philip; Charles Benbrook
Cc: Pete Myers; robin mesnage; Bruce Blumberg; Bruce Lanphear; Lorne Evere; Michael Hansen Ph.D.; Michael Antoniou; Patrick Holden; Lynn Carroll; Fred vom Saal; Wade Welshons
Subject: GBH commentary - revisit

Hi Everyone,



Can you please review this dra^{ft} and send me any comments or edits by November 20th (2 weeks from now)? Please also verify that you agree to be an author.

Best,
Laura

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--

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Mailing address: 2011 Biological Sciences 3

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fax: 949-824-4709
e-mail: blumberg@uci.edu
web: <http://blumberg-lab.bio.uci.edu/>
<http://blumberg.bio.uci.edu/>

Re: GBH commentary - revisit
2 of 2 4/25/2017 5:32 PM

Subject: Re: GBH commentary - revisit
From: Laura Vandenberg <lvandenberg@schoolph.umass.edu>
Date: 11/21/2016 1:31 PM
To: "Antoniou, Michael" <michael.antoniou@kcl.ac.uk>
CC: Charles Benbrook <[REDACTED]> "Vomsaal, Frederick S." <VomsaalF@missouri.edu>, Bruce Blumberg <blumberg@uci.edu>, Michael Hansen <mhansen@consumer.org>, "Landrigan, Philip" <philip.landrigan@mssm.edu>, "Pete Myers" <JPMyers@ehsic.org>, robin mesnage <[REDACTED]> Bruce Lanphear <bpl3@sfu.ca>, Lorne Everett <LEverett@everettassociates.net>, Patrick Holden <patrick@sustainablefoodtrust.org>, Lynn Carroll <[REDACTED]> "Welshons, Wade V." <WelshonsW@missouri.edu>

No, not US centered. The "burden of safety" section focuses on EPA, ECHA and EFSA and there's a section on IARC, so global. But we will absolutely be in the line of fire here in the US... and with the political climate the way it is, should expect a storm to hit us. Most of us in the environmental health field know to be extremely vigilant, but this is beyond the norm. I just can't put my name on something that does not have rock-solid, concrete scientific citations.

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Subject: Re: GBH commentary - revisit

[REDACTED]
By the way Is this article meant to be US centred?
Michael

Sent from my iPhone

Dr Michael Antoniou
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Web: <https://www.kcl.ac.uk/lsm>
Skype: [REDACTED]

On 21 Nov 2016, at 13:19, Laura Vandenberg <lvandenberg@schoolph.umass.edu> wrote:

This is as far as I am comfortable going:

[REDACTED]

Please find and share citations ASAP if you would like to consider adding stronger language. Let me know tonight if this is a make-or-break paragraph for you, so I can remove you from the authors' list. I will be submitting the manuscript tomorrow.

Thanks,
Laura

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From: Charles Benbrook <[REDACTED]>
Sent: Monday, November 21, 2016 3:27 PM
To: Vomsaal, Frederick S.
Cc: Laura Vandenberg; Antoniou, Michael; Bruce Blumberg; Michael Hansen; Landrigan, Philip; Pete Myers; robin mesnage; Bruce Lanphear; Lorne Evered; Patrick Holden; Lynn Carroll; Welshons, Wade V.
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--

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<http://blumberg.bio.uci.edu/>

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The sad thing is that you can tell some of these people, e.g. Moms Across America, multiple times about the problems of the use of ELISA tests, but they still persist in using them because it is relatively inexpensive and because there is a couple of testing companies--Microbe Inotech and Abraxis--that have been pushing these ELISA tests for a range of foods.

Michael Hansen, Ph.D.
Senior Scientist
Consumers Union
101 Truman Ave.
Yonkers, NY 10703
o: 914-378-2452
c: [REDACTED]

On Mon, Nov 21, 2016 at 2:17 PM, Antoniou, Michael <michael.antoniou@kcl.ac.uk> wrote:

Too true Fred

I'm literally banging my head against a brick wall to get otherwise well meaning activists (excluding Samsel & Seneff who are perpetrators of misinformation) to see these points about [REDACTED]

Michael

Sent from my iPhone

Dr Michael Antoniou
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[REDACTED]

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Subject: RE: GBH commentary - revisit

Thanks Michael
Point well taken.
Best
lorne

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Best,
Laura

Laura N. Vandenberg, PhD
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Department of Environmental Health Science
686 N. Pleasant Street
171A Goessmann
Amherst, MA 01003
Tel: 413.577.7405
lvandenberg@schoolph.umass.edu

From: Laura Vandenberg
Sent: Sunday, November 6, 2016 6:24 PM
To: Landrigan, Philip; Charles Benbrook
Cc: Pete Myers; robin mesnage; Bruce Blumberg; Bruce Lanphear; Lorne Evered; Michael Hansen Ph.D.; Michael Antoniou; Patrick Holden; Lynn Carroll; Fred vom Saal; Wade Welshons
Subject: GBH commentary - revisit

Hi Everyone,

[REDACTED]

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Re: GBH commentary - revisit
1 of 1 4/25/2017 5:32 PM

Subject: Re: GBH commentary - revisit
From: Michael Hansen <mhansen@consumer.org>
Date: 11/21/2016 12:07 PM
To: Bruce Blumberg <blumberg@uci.edu>

It's Zen Honeycutt, and I agree with you completely. I went to the EPA HQ with her a couple of years ago when the breast milk and urine test results came out and was amazed that the EPA folks sat for more than 2 hours to hear her and the other mothers tell their crazy stories about how autism and gut symptoms went away after switching to GM-free food, and even how a walnut allergy disappeared (what does that have to do with GE!!). I do try to reason with her since she's not as batshit crazy and

Samsell and Seneff, who should know better because they both have PhDs, but keep publishing their crazy theories, which activists like Zen Honeycutt and Jeffrey Smith then promulgate. The latest one is that glyphosate is actually a modified amino acid (modified glycine), so that many proteins now are being made with glyphosate in them.

Michael Hansen, Ph.D.
Senior Scientist
Consumers Union
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Yonkers, NY 10703
o: 914-378-2452
c: [REDACTED]

On Mon, Nov 21, 2016 at 2:50 PM, Bruce Blumberg <blumberg@uci.edu> wrote:

That's because Zen Holloway is a charter member of the lunatic fringe. She is batshit crazy, although well meaning....

On 11/21/2016 11:34 AM, Michael Hansen wrote:

The sad thing is that you can tell some of these people, e.g. Moms Across America, multiple times about the problems of the use of ELISA tests, but they still persist in using them because it is relatively inexpensive and because there is a couple of testing companies--Microbe Inotech and Abraxis--that have been pushing these ELISA tests for a range of foods.

Michael Hansen, Ph.D.
Senior Scientist
Consumers Union
101 Truman Ave.
Yonkers, NY 10703
o: 914-378-2452
c: [REDACTED]

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Too true Fred

I'm literally banging my head against a brick wall to get otherwise well meaning activists (excluding Samsel & Seneff who are perpetrators of misinformation) to see these points about [REDACTED]

Michael

Sent from my iPhone

Dr Michael Antoniou
Head: Gene Expression and Therapy Group
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Email: michael.antoniou@kcl.ac.uk
Web: <https://www.kcl.ac.uk/lsm>
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On 21 Nov 2016, at 09:30, Vomsaal, Frederick S. <VomsaalF@missouri.edu> wrote:

[REDACTED]

case.
Fred

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Columbia MO 65211
573-882-4367
vomsaal@missouri.edu

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Date: Monday, November 21, 2016 at 10:48 AM
To: Michael Hansen <mhansen@consumer.org>, Laura Vandenberg <lvandenberg@schoolph.umass.edu>
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Sent: Sunday, November 20, 2016 8:54 PM
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I also agree to be an author on this paper. [REDACTED]

Michael
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--

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Re: GBH commentary - revisit
1 of 2 4/25/2017 5:31 PM

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Date: 11/21/2016 5:15 PM
To: Pete Myers <jpmyers@ehsic.org>

CC: Michael Antoniou <michael.antoniou@kcl.ac.uk>, "Prof. Fred vom Saal" <VomsaalF@missouri.edu>, Lorne Everett <LEverett@everettassociates.net>, Laura Vandenberg <lvandenberg@schoolph.umass.edu>, "Landrigan, Philip" <philip.landrigan@mssm.edu>, Chuck Benbrook <[REDACTED]>, Robin M esnage <[REDACTED]>, Bruce Blumberg <blumberg@uci.edu>, Bruce Lanphear <bpl3@sfu.ca>, Patrick Holden <patrick@sustainablefoodtrust.org>, Lynn Carroll <[REDACTED]>, "Welshons, Wade V." <WelshonsW@missouri.edu>

I think it's a version of the lazier. I think they are zealots who think that glyphosate "may in fact be the most biologically disruptive chemical in our environment" and then are working backward from that conclusion to think up all the theoretically conceivable ways that it could do harm. Their latest craziness is to argue that glyphosate is a glycine analogue, and that, as such, glyphosate "may be mistakenly incorporated into peptides during protein synthesis." The fact that they offer no biologically plausible mechanism for how a tRNA could mistake glyphosate for glycine, and ignore the fact that no side chains in amino acids contain a phosphorous atom, doesn't give them pause. They simply hypothesize wildly about what could go wrong if glyphosate were substituted for glycine in proteins in bacteria, plants, etc.

Michael Hansen, Ph.D.
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Re: GBH commentary - revisit
1 of 1 4/25/2017 5:31 PM

Subject: Re: Journal of Epidemiology & Community Health - Decision on Manuscript ID jech-2016-208463

From: Charles Benbrook <[REDACTED]>

Date: 12/21/2016 10:24 AM

To: Laura Vandenberg <lvandenberg@schoolph.umass.edu>

CC: Bruce Blumberg <blumberg@uci.edu>, Michael Antoniou <michael.antoniou@kcl.ac.uk>,
[REDACTED]

Lynn Carroll <[REDACTED]> Lorne Everett

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<WelshonsW@missouri.edu>, Pete Myers <jpmyers@ehsic.org>

Laura et all --

Congrats everyone. Laura, let me know how I can help. [REDACTED]
[REDACTED]

Chuck

Charles Benbrook
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[REDACTED]

On Wed, Dec 21, 2016 at 9:09 AM, Journal of Epidemiology & Community Health
<onbehalfof+jech+bmi.com@manuscriptcentral.com> wrote:

21-Dec-2016

Manuscript ID: jech-[2016-208463](#)

Manuscript Title: Is it time to reassess current safety standards for glyphosate-based herbicides?

Dear Laura:

Manuscript ID jech-[2016-208463](#) entitled "Is it time to reassess current safety standards for glyphosate-based herbicides?", which you kindly submitted to the Journal of Epidemiology & Community Health, has been externally reviewed. We think it will be of interest to our readers. The comments of the reviewers are included at the bottom of this letter.

The reviewers suggest some revisions to your manuscript. Therefore, we invite you to revise your manuscript accordingly.

When submitting your revised manuscript, you do not need to explicitly respond to the comments made by the reviewers, but please consider them carefully. We want your article to be novel, innovative, and as critical as possible. When submitting your revised manuscript, please submit a clean version and also a version with the changes tracked or marked.

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As mentioned above, when submitting your revised manuscript you do not need to respond to the comments made by the reviewers, but please consider them carefully. Please submit a version with the changes tracked or marked along with the new, clean version.

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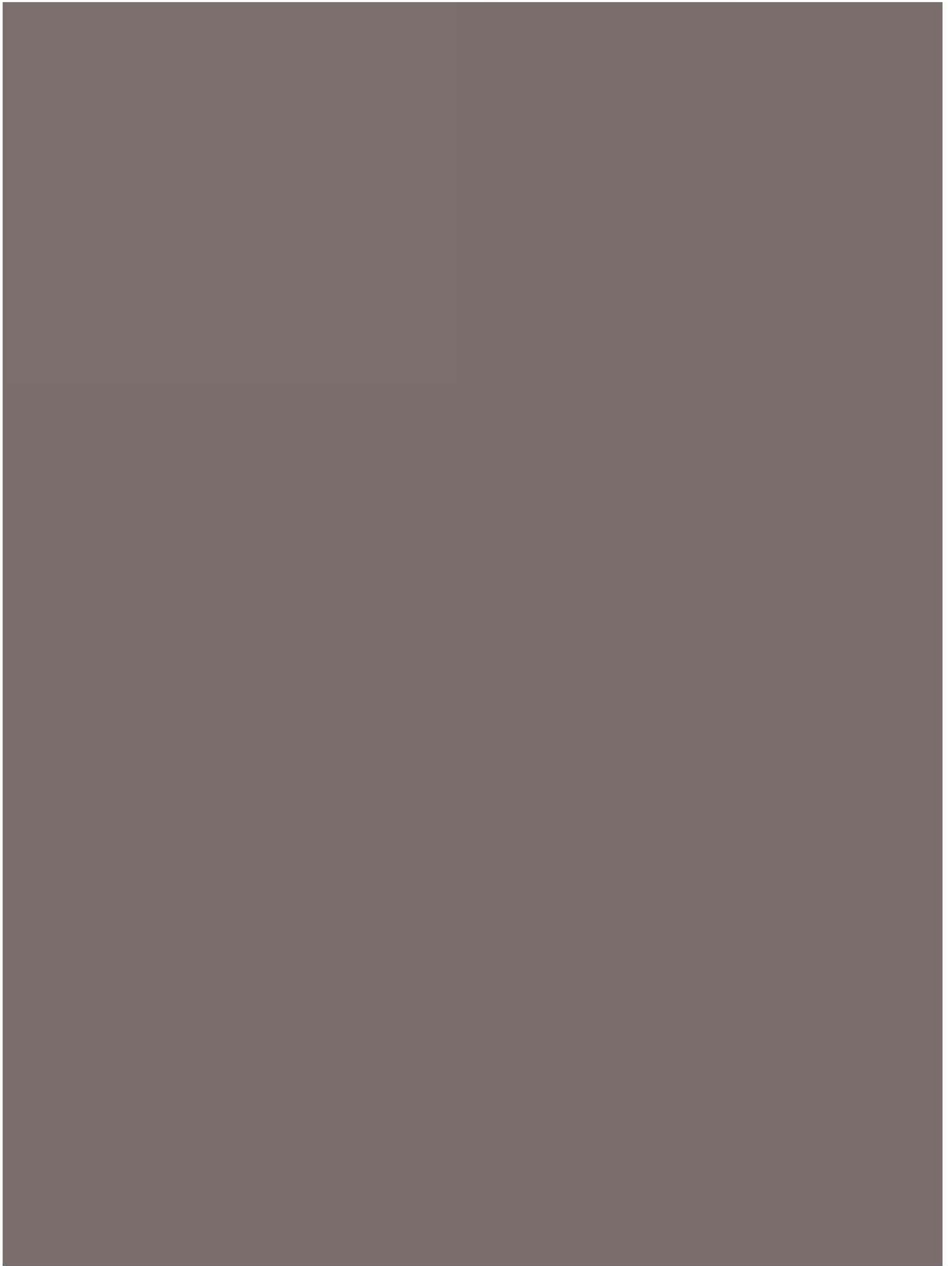
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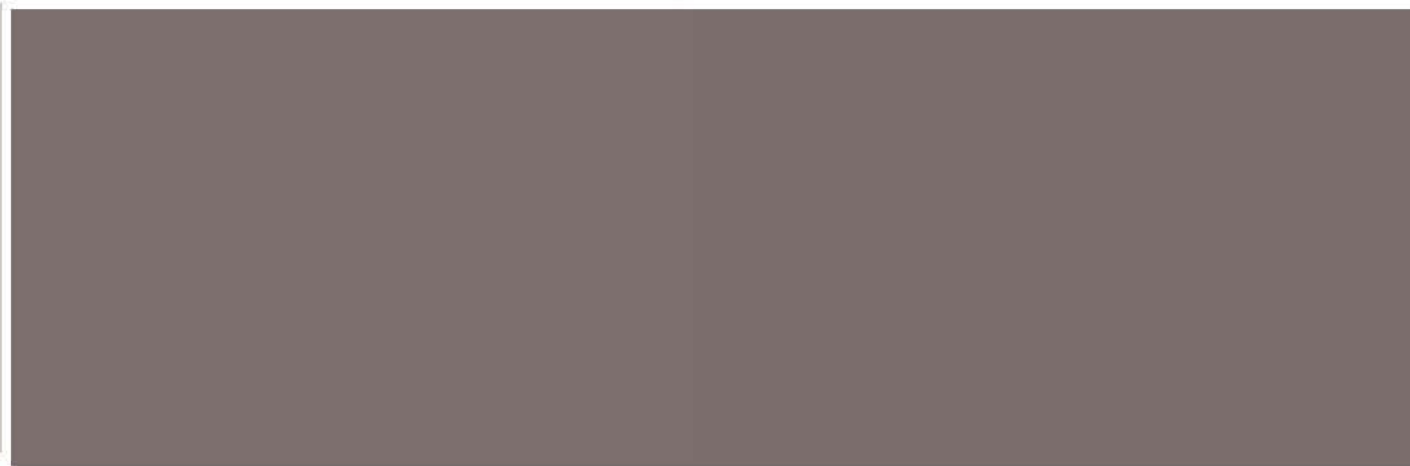
Reviewers' Comments to Author:











Subject: Fwd: Journal of Epidemiology & Community Health - Decision on Manuscript ID jech-2016-208463
From: Bruce Blumberg <blumberg@uci.edu>
Date: 12/22/2016 6:43 PM
To: Laura Vandenberg <lvandenberg@schoolph.umass.edu>

Hi Laura,
Great news. Please let me know what you need me to do and when.
Happy Holidays,
Bruce

----- Forwarded Message -----

Subject: Journal of Epidemiology & Community Health - Decision on Manuscript ID jech-2016-208463
Date: Wed, 21 Dec 2016 12:09:02 -0500 (EST)
From: Journal of Epidemiology & Community Health <onbehalf+jech+bmj.com@manuscriptcentral.com>
Reply-To: jech@bmj.com
To: [REDACTED] ss.edu
CC: [REDACTED] du, blumberg@uci.edu, michael.antoniou@kcl.ac.uk, [REDACTED]
[REDACTED] ere@evereassociates.net, mhansen@consumer.o u,
[REDACTED] VomsaalF@missouri.edu, WelshonsW@missouri.ed

21-Dec-2016
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From: robin mesnage <[REDACTED]>

Date: 12/22/2016 7:52 AM

To: Laura Vandenberg <lvandenberg@schoolph.umass.edu>

CC: Bruce Blumberg <blumberg@UCI.EDU>, "Antoniou, Michael" <michael.antoniou@kcl.ac.uk>,
Charles Benbrook <[REDACTED]>, Lynn Carroll

<[REDACTED]>, Lorne Everett <LEverett@everettassociates.net>, "mhansen@consumer.org" <mhansen@consumer.org>, "Landrigan, Philip" <philip.landrigan@mssm.edu>, Bruce Lanphear <bpl3@sfu.ca>, "Vomsaal, Frederick S." <VomsaalF@missouri.edu>, "Welshons, Wade" <WelshonsW@missouri.edu>, Pete Myers <jpmyers@ehsic.org>

Congratulations! Fair comments, easy to address. I am surprised to see that 6 reviewers gave their remarks it's quite a lot for a short commentary like this.

Let me know Laura if you need some help,

Have a nice Christmas break,

Best wishes,

Robin.

--

Dr. Robin Mesnage

Research Associate | Cellular and Molecular Toxicology

King's College London

Department of Medical and Molecular Genetics

Guy's Hospital, London, SE1 9RT

[King's College London](#)

[LinkedIn](#)

[Twitter](#)

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Competing Interest

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earliest convenience.

Kind regards.

Cordially,

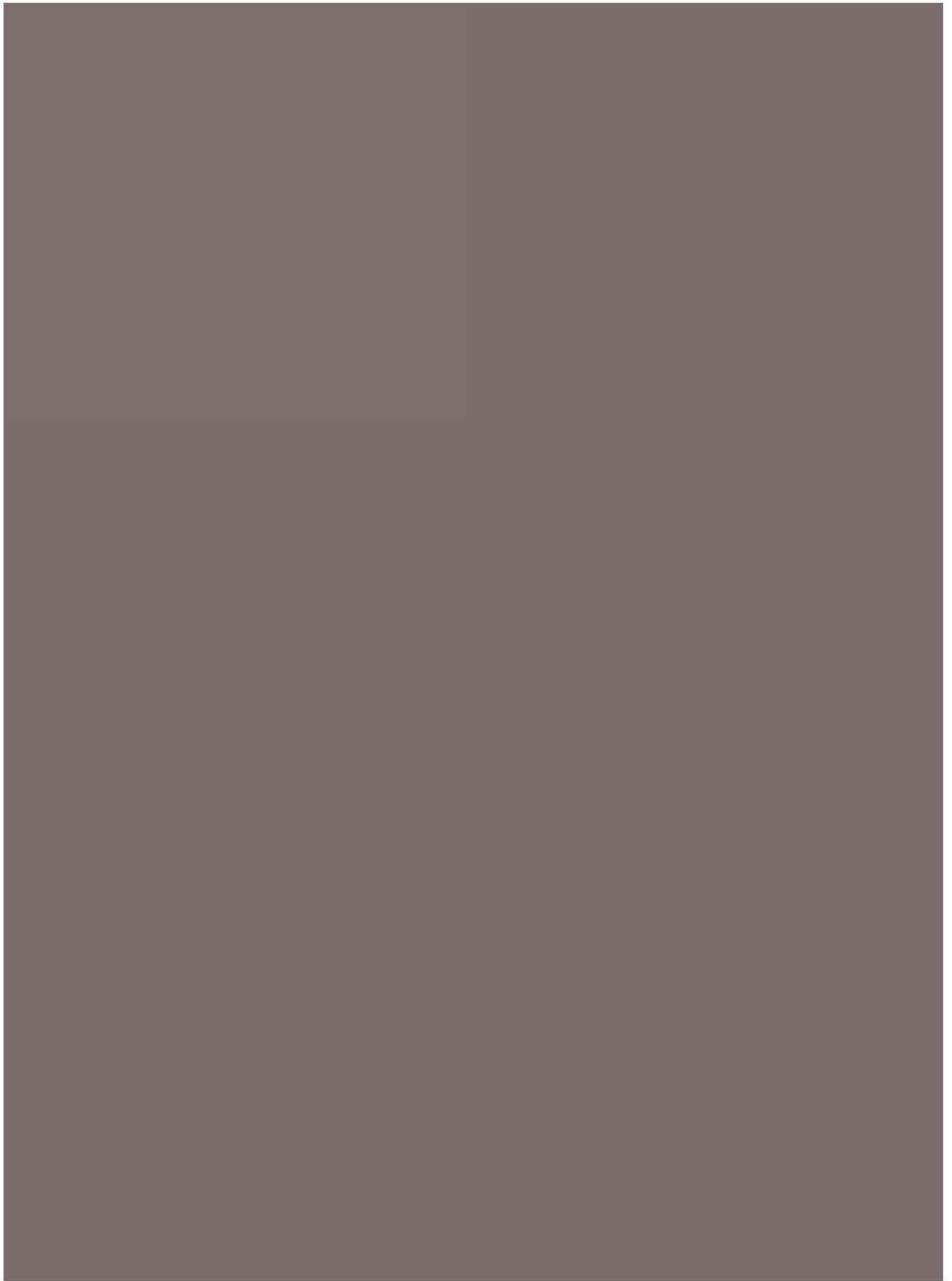
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Reviewers' Comments to Author:











Subject: Re: Journal of Epidemiology & Community Health - Decision on Manuscript ID jech-2016-208463
From: Bruce Blumberg <blumberg@uci.edu>
Date: 1/15/2017 9:23 PM
To: Laura Vandenberg <lvandenberg@schoolph.umass.edu>

Hi Laura,

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Best,

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Best,
Laura

Laura N. Vandenberg, PhD
Assistant Professor
University of Massachusetts – Amherst
School of Public Health & Health Sciences
Department of Environmental Health Science
686 N. Pleasant Street
171A Goessmann
Amherst, MA 01003
Tel: 413.577.7405
lvandenberg@schoolph.umass.edu

From: Charles Benbrook <[REDACTED]>
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Laura et all --

Congrats everyone. Laura, let me know how I can help. [REDACTED]

Chuck

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Main: 541-828-7918 (always forwarded to cell)
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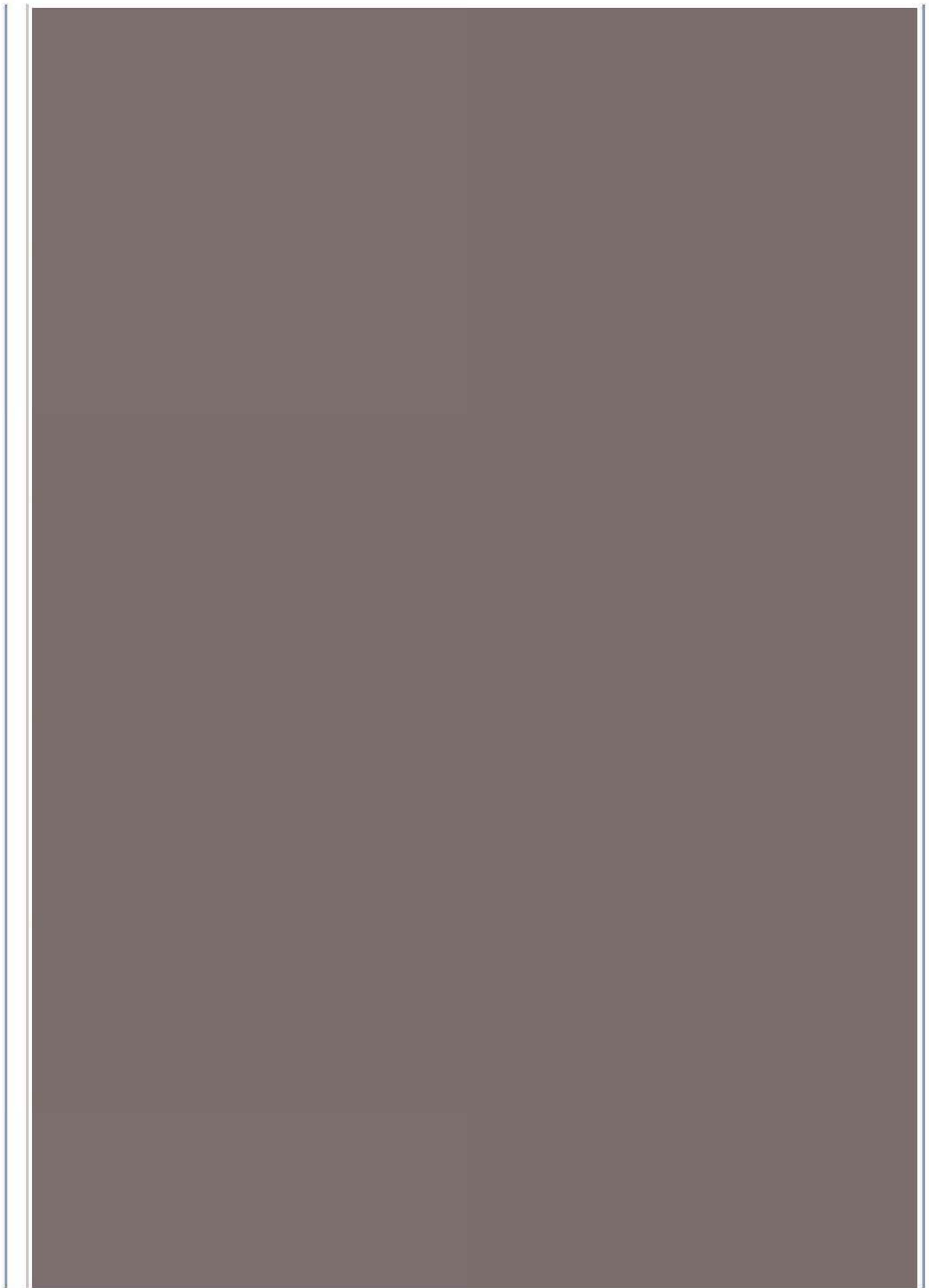
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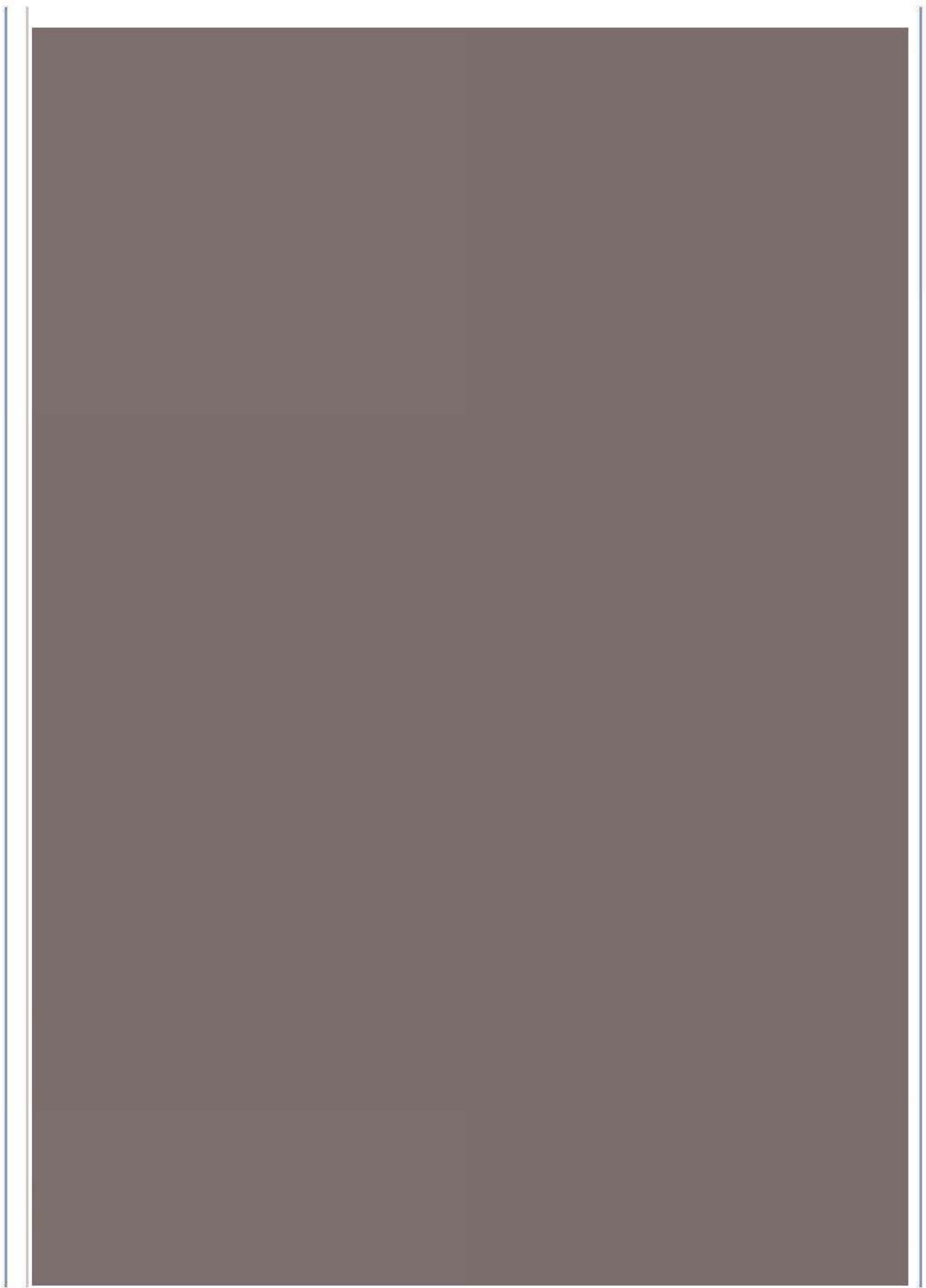
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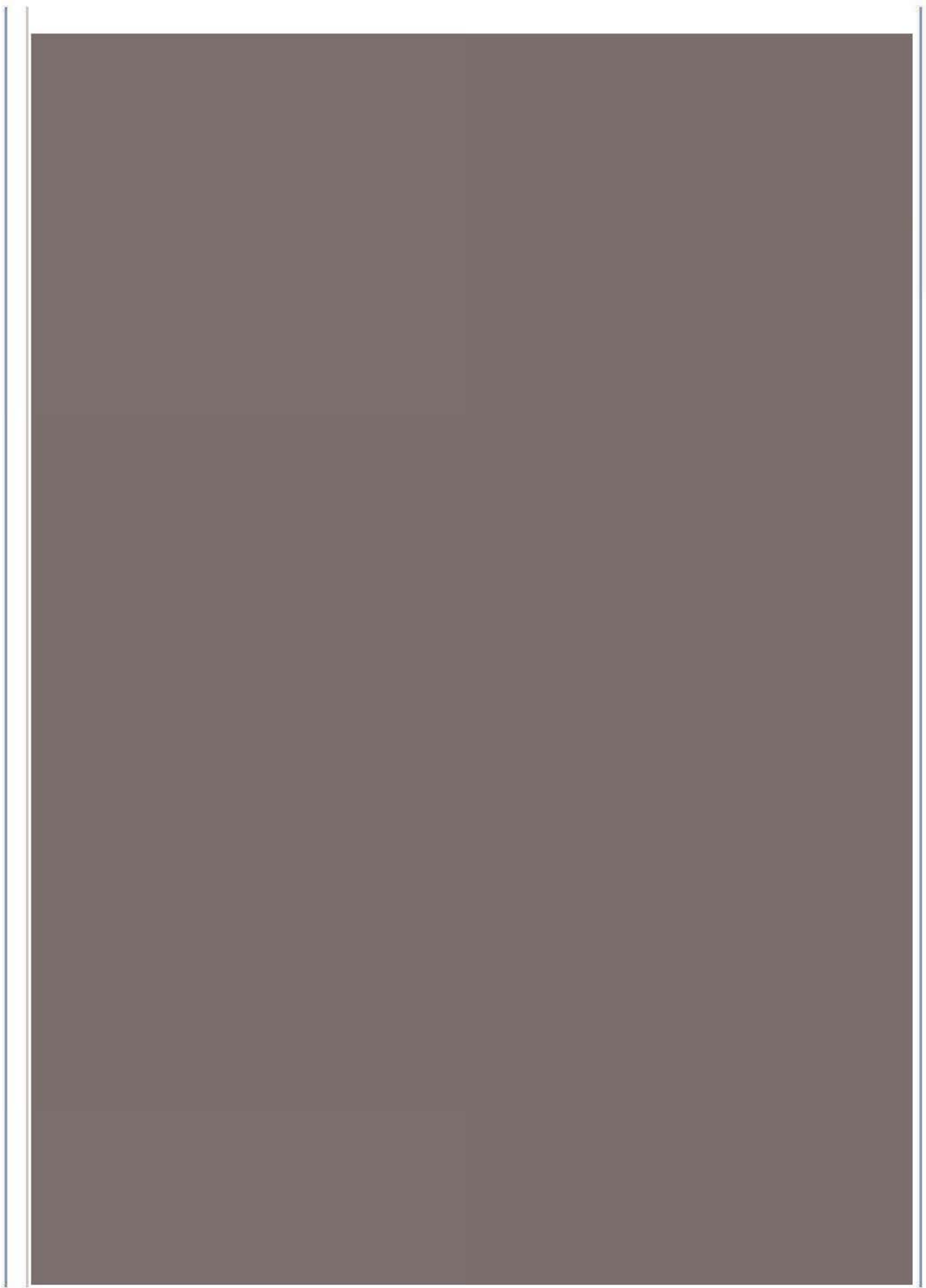
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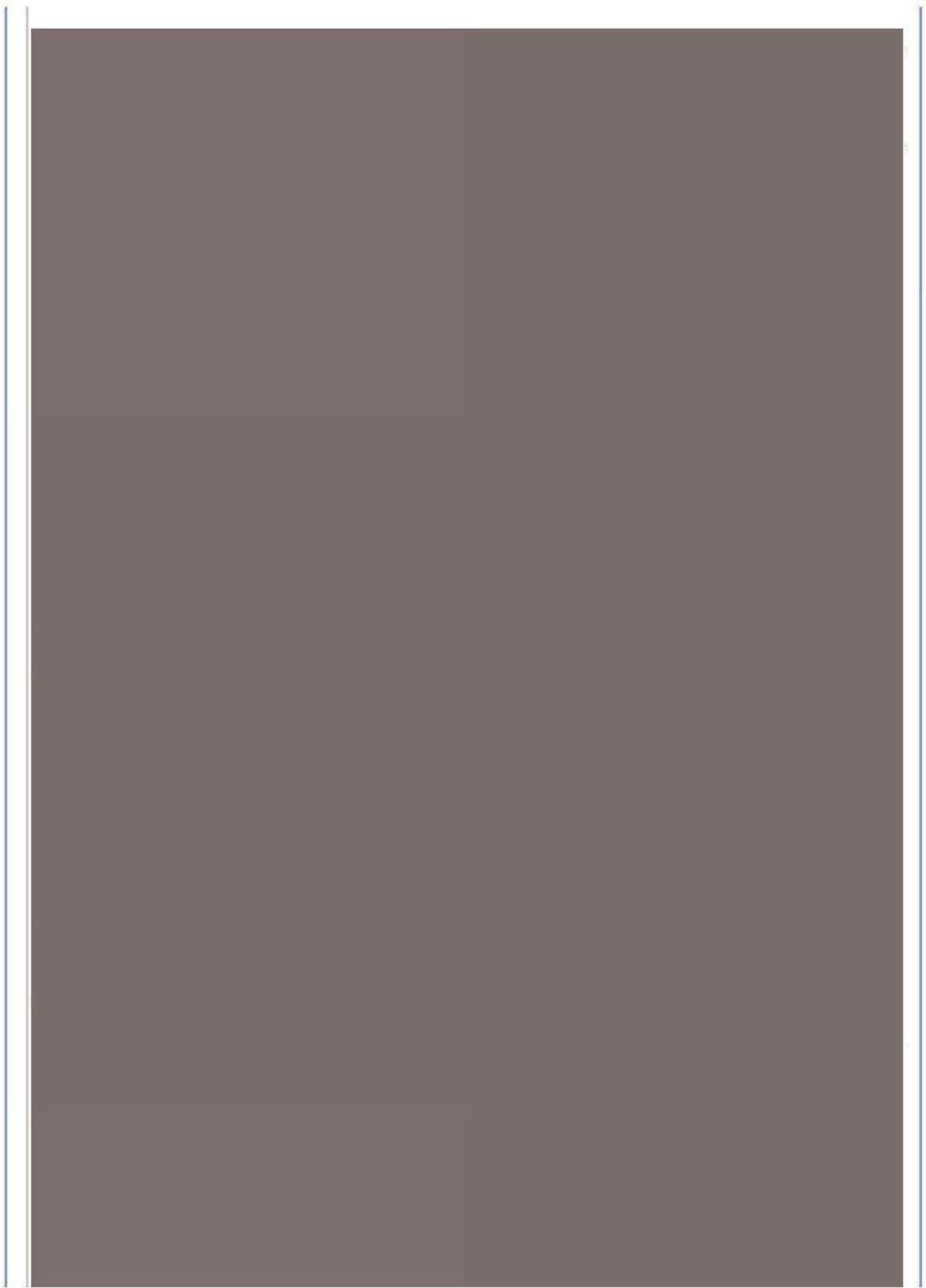
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Bruce Blumberg, PhD.
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Professor of Pharmaceutical Sciences
2011 Biological Sciences 3
University of California
Irvine, CA 92697-2300

office: 949-824-8573
lab: 949-824-6873
fax: 949-824-4709
e-mail: blumberg@uci.edu
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Competing Interest

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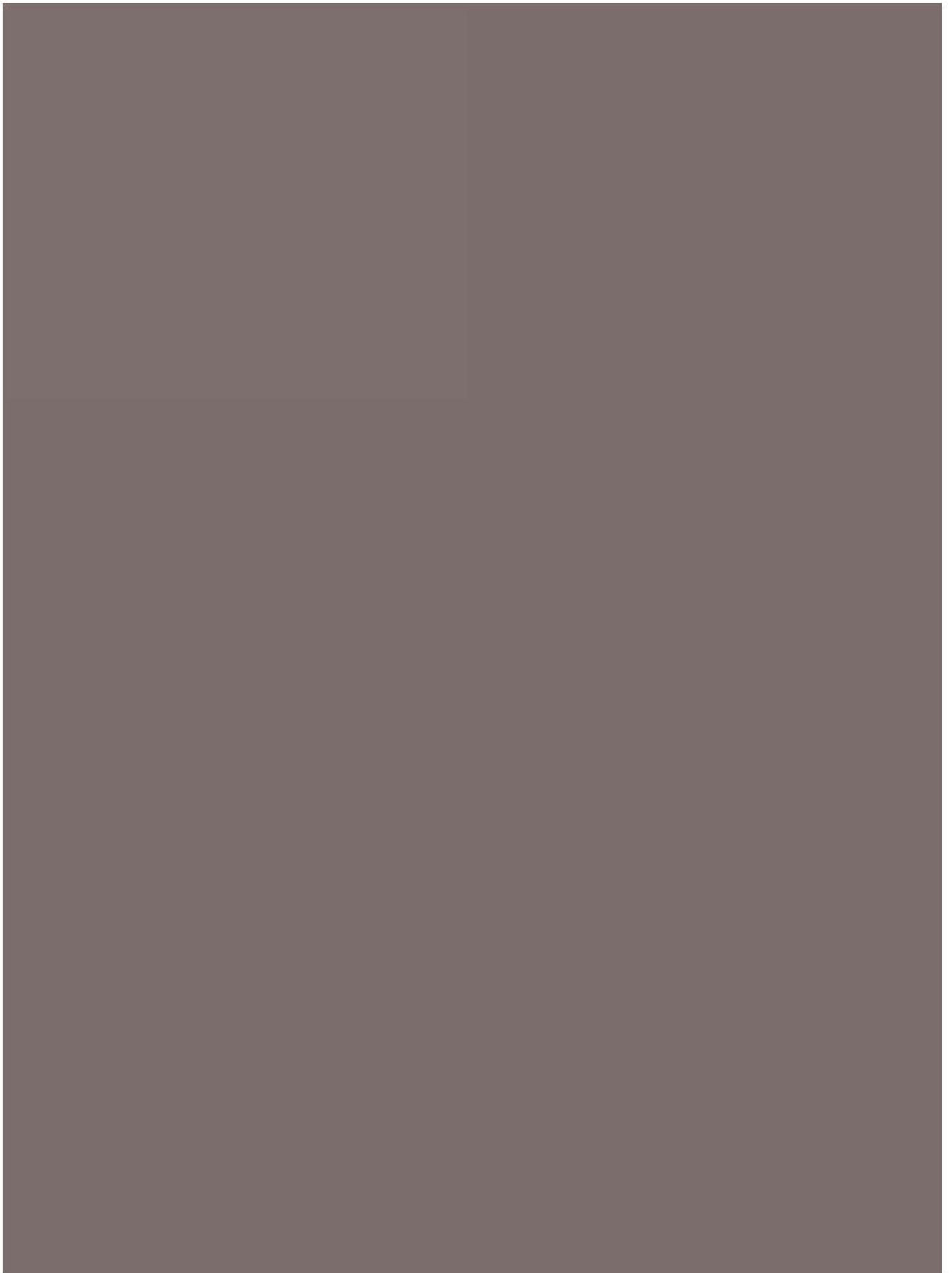
Cordially,

Miquel Porta, MD, MPH, PhD

Deputy Editor, Journal of Epidemiology & Community Health

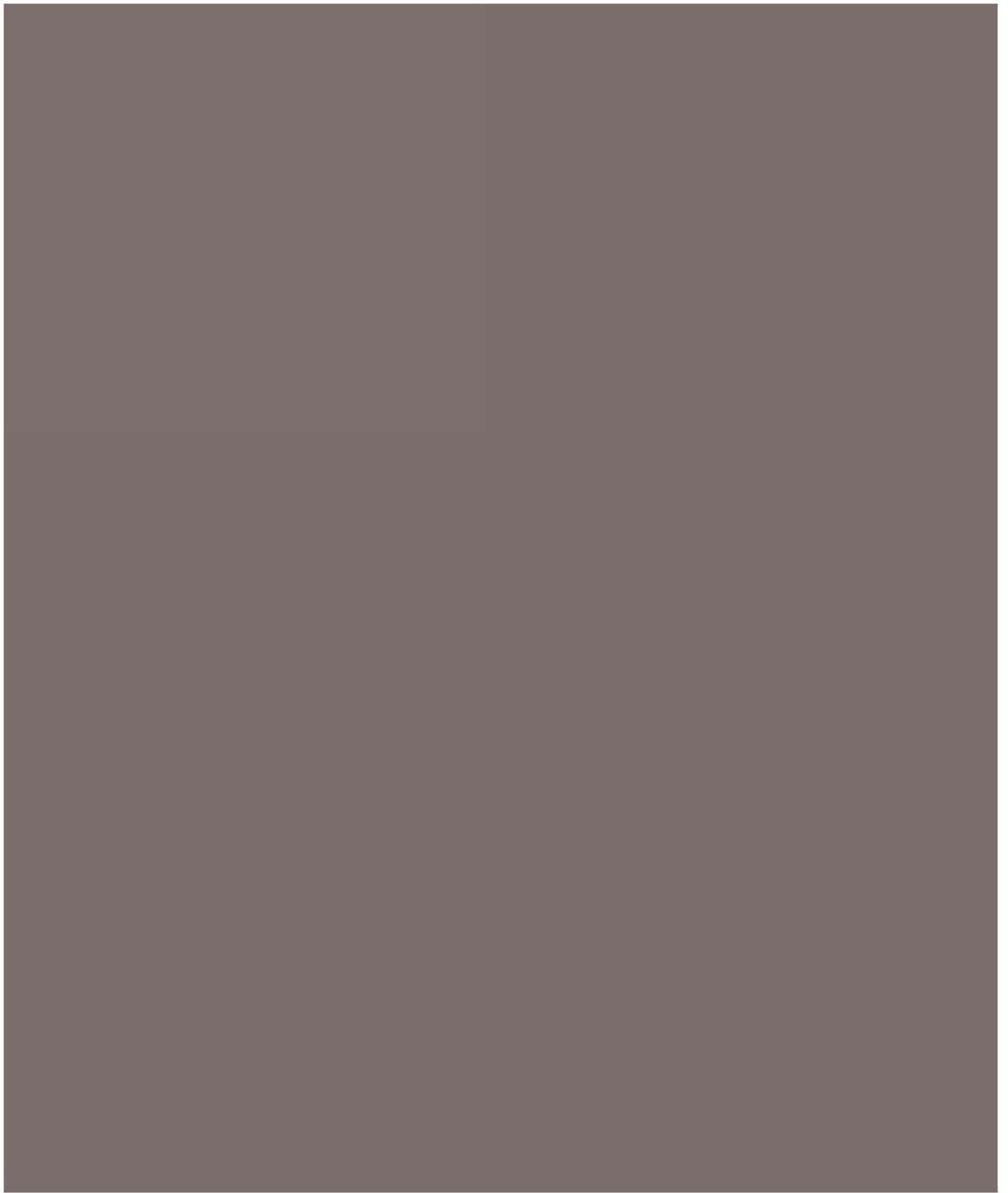
Reviewers' Comments to Author:











—Attachments:—

GBH safety JECH_revision_011517.docx

142 KB

response to reviewers.docx

55.1 KB

Subject: Re: Journal of Epidemiology & Community Health - Decision on Manuscript ID jech-2016-208463
From: Bruce Lanphear <bpl3@sfu.ca>
Date: 1/16/2017 5:59 PM
To: Laura Vandenberg <lvandenberg@schoolph.umass.edu>
CC: Charles Benbrook [REDACTED], Bruce Blumberg <blumberg@uci.edu>, Michael Antoniou <michael.antoniou@kcl.ac.uk>, [REDACTED], Lynn Carroll <[REDACTED]>, Lorne Everett <LEverett@everettassociates.net>, "Hansen Michael Ph.D." <mhansen@consumer.org>, "Landrigan, Philip" <philip.landrigan@mssm.edu>, robin mesnage [REDACTED], "Vomsaal Frederick S." <VomsaalF@missouri.edu>, Wade Welshons <WelshonsW@missouri.edu>, Pete Myers <jpmyers@ehsic.org>

Laura and others:

A few very minor suggested revisions.

Cheers,

Bruce

----- Original Message -----

From: "Laura Vandenberg" <lvandenberg@schoolph.umass.edu>
To: "Charles Benbrook" [REDACTED]
Cc: "Bruce Blumberg" <blumberg@uci.edu>, "Michael Antoniou" <michael.antoniou@kcl.ac.uk>, [REDACTED] "Lynn Carroll" <[REDACTED]>, "Lorne Everett" <LEverett@everettassociates.net>, "Hansen Michael Ph.D." <mhansen@consumer.org>, "Landrigan, Philip" <philip.landrigan@mssm.edu>, "Bruce Lanphear" <bpl3@sfu.ca>, "robin mesnage" [REDACTED], "Vomsaal Frederick S." <VomsaalF@missouri.edu>, "Wade Welshons" <WelshonsW@missouri.edu>, "Pete Myers" <jpmyers@ehsic.org>
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Laura

Laura N. Vandenberg, PhD
Assistant Professor
University of Massachusetts - Amherst
School of Public Health & Health Sciences
Department of Environmental Health Science
686 N. Pleasant Street
171A Goessmann
Amherst, MA 01003
Tel: 413.577.7405
lvandenberg@schoolph.umass.edu

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Cc: Bruce Blumberg; Michael Antoniou; [REDACTED] Lynn Carroll; Lorne Everett; Hansen Michael Ph.D.; Landrigan, Philip; Bruce Lanphear; robin mesnage; Vomsaal Frederick S.; Wade Welshons; Pete Myers
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Congrats everyone. Laura, let me know how I can help. [REDACTED]
[REDACTED]

Chuck

Charles Benbrook
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[mailto:\[REDACTED\]](mailto:[REDACTED])

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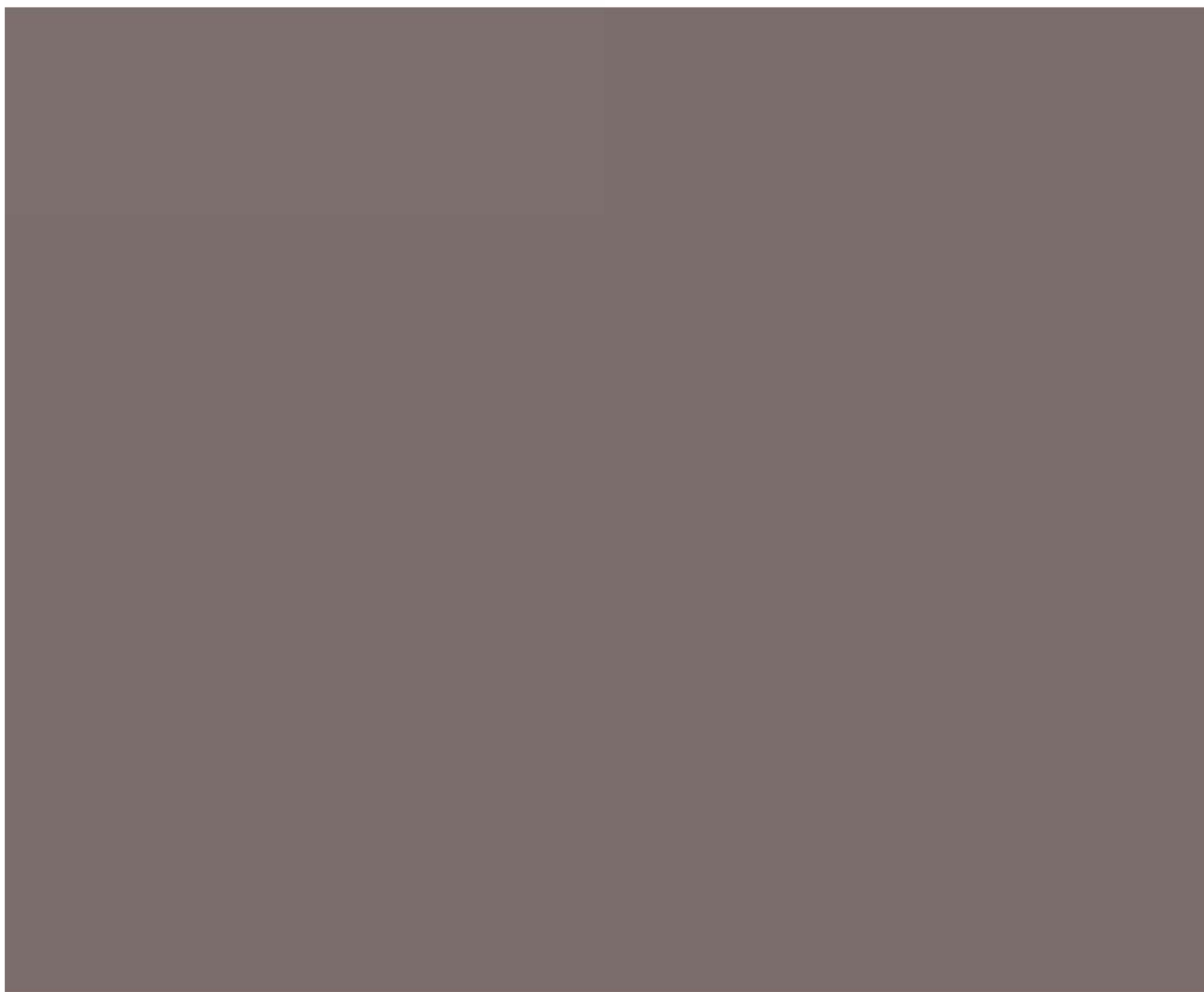
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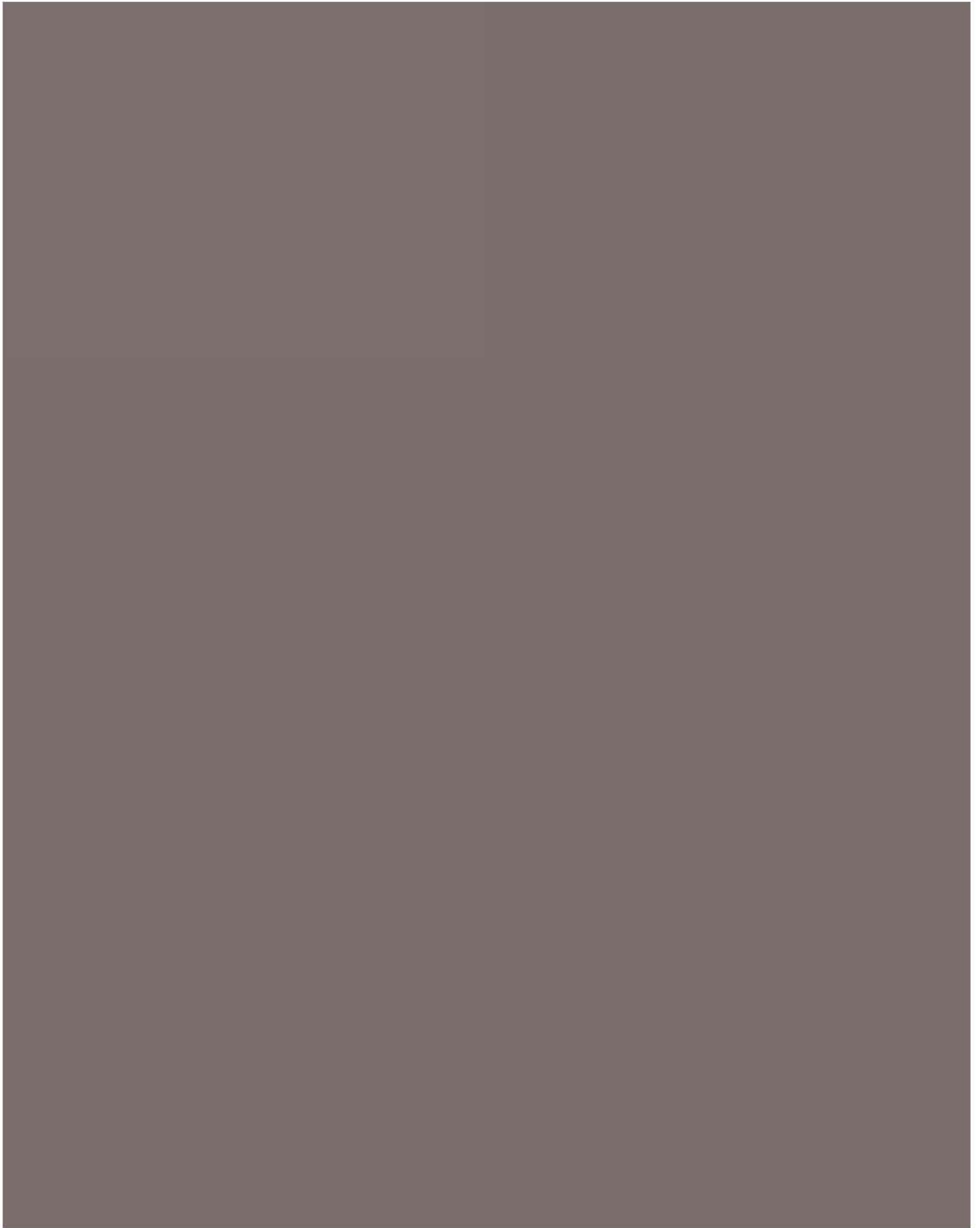
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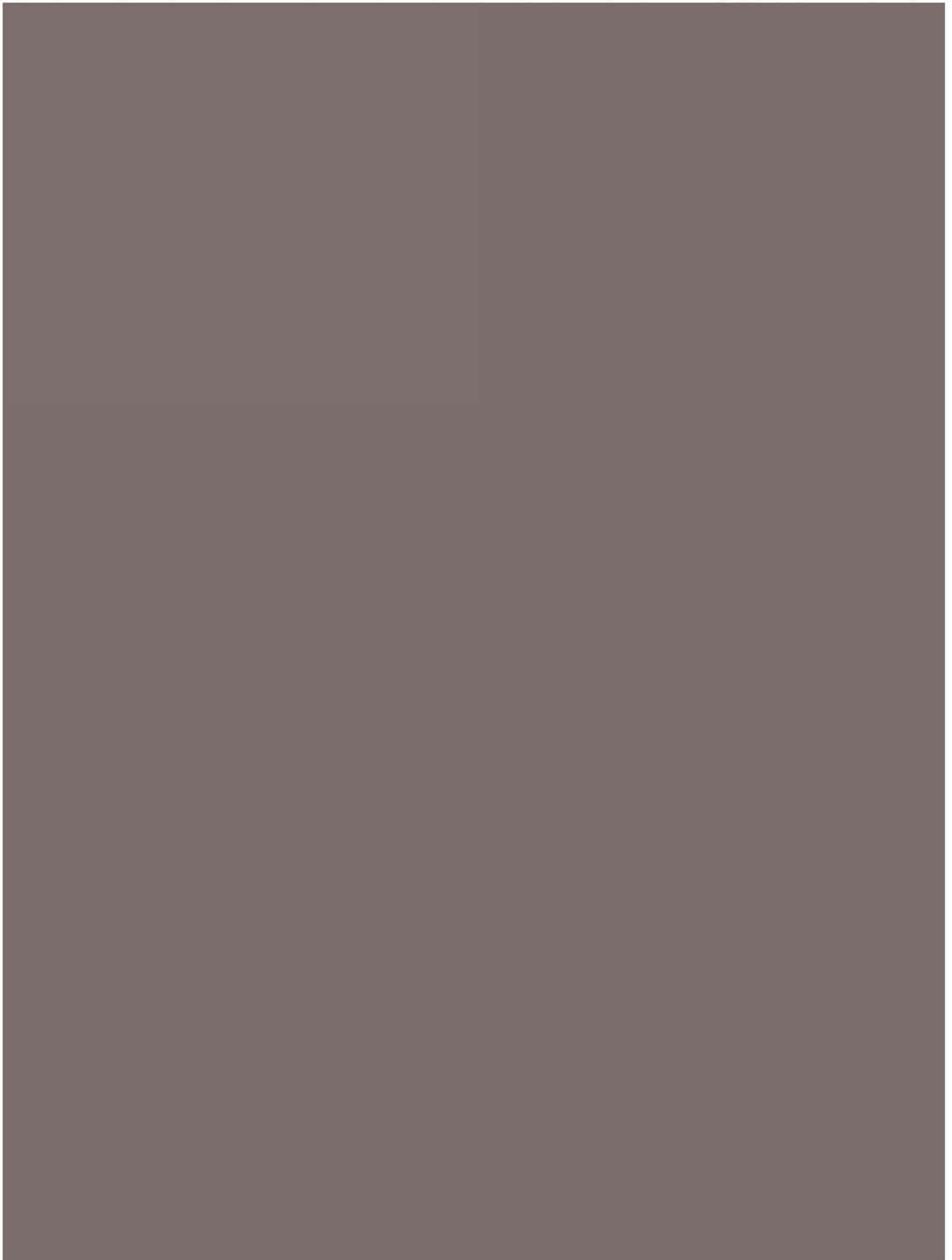
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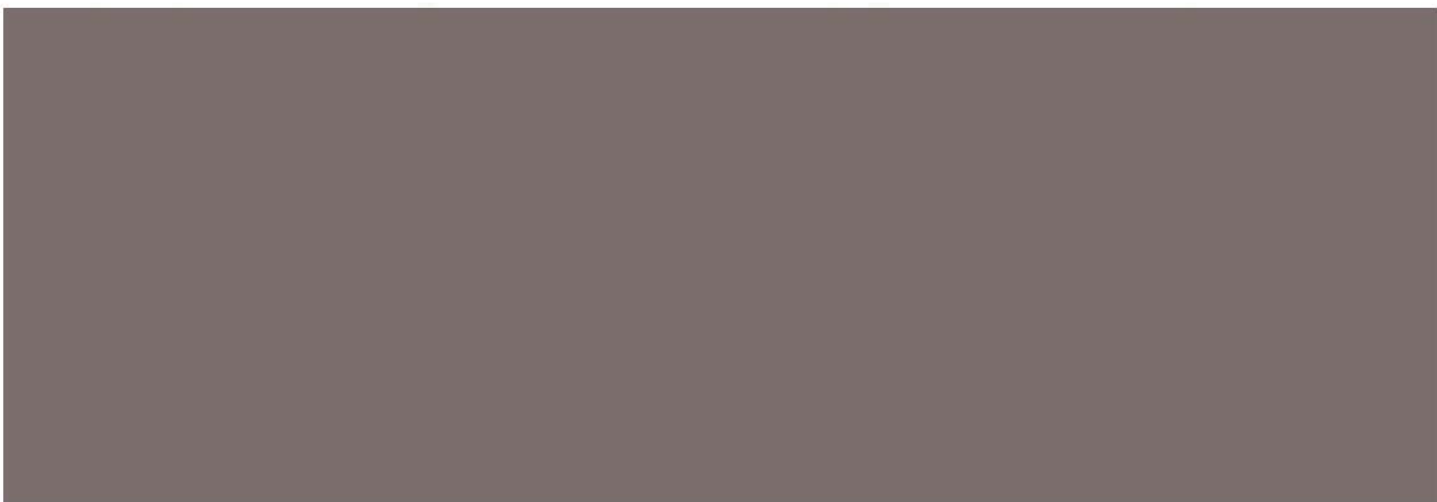
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Date: 1/16/2017 8:46 AM

To: Laura Vandenberg <lvanenberg@schoolph.umass.edu>

CC: Bruce Blumberg <blumberg@uci.edu>, Michael Antoniou <michael.antoniou@kcl.ac.uk>, "[REDACTED]" <[REDACTED]>, Lynn Carroll <[REDACTED]>, Lorne Everett <LEverett@everettassociates.net>, "Hansen Michael Ph.D." <mhansen@consumer.org>, "Landrigan, Philip" <philip.landrigan@mssm.edu>, Bruce Lanphear <bpl3@sfu.ca>, robin mesnage <[REDACTED]>, "Vomsaal Frederick S." <VomsaalF@missouri.edu>, Wade Welshons <WelshonsW@missouri.edu>, Pete Myers <jpmyers@ehsic.org>

Laura et al --



I mention this not to argue for any further changes in the text, but to alert the team to perhaps the most immediately consequential impact of the paper, and an issue which is sure to arise post-publication.

Chuck

Charles Benbrook
Benbrook Consulting Services
90063 Troy Road
Enterprise, Oregon 97828
Main: 541-828-7918 (always forwarded to cell)
[REDACTED]

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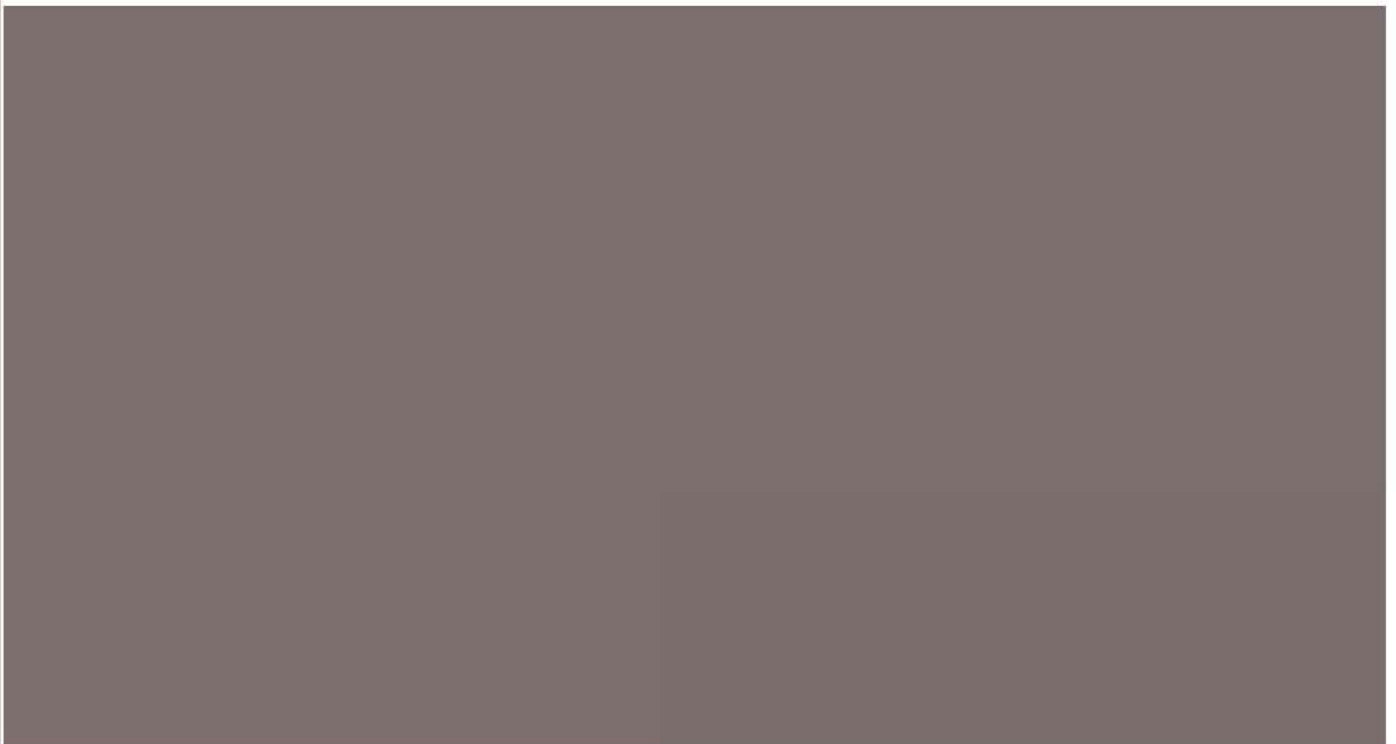
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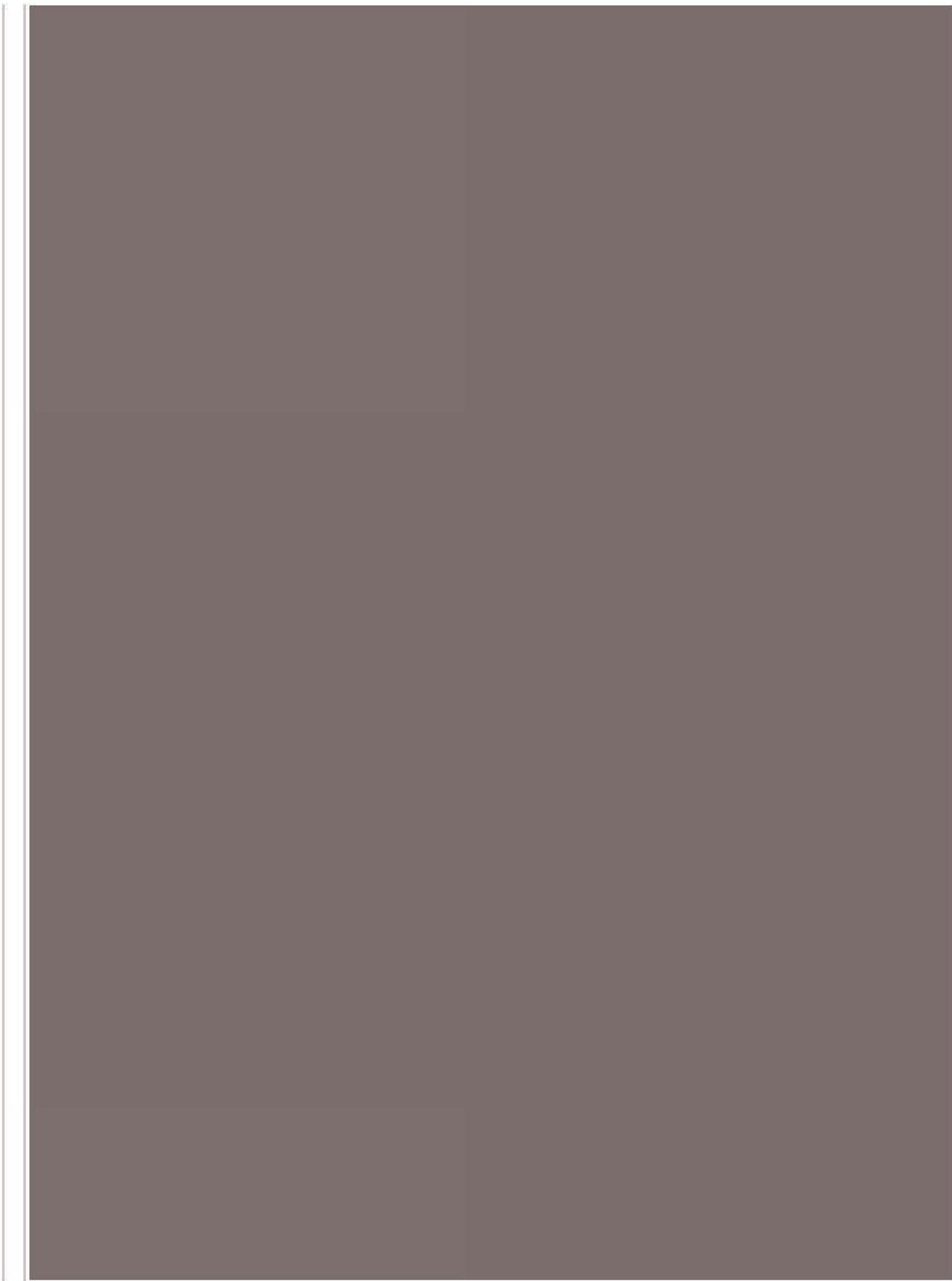
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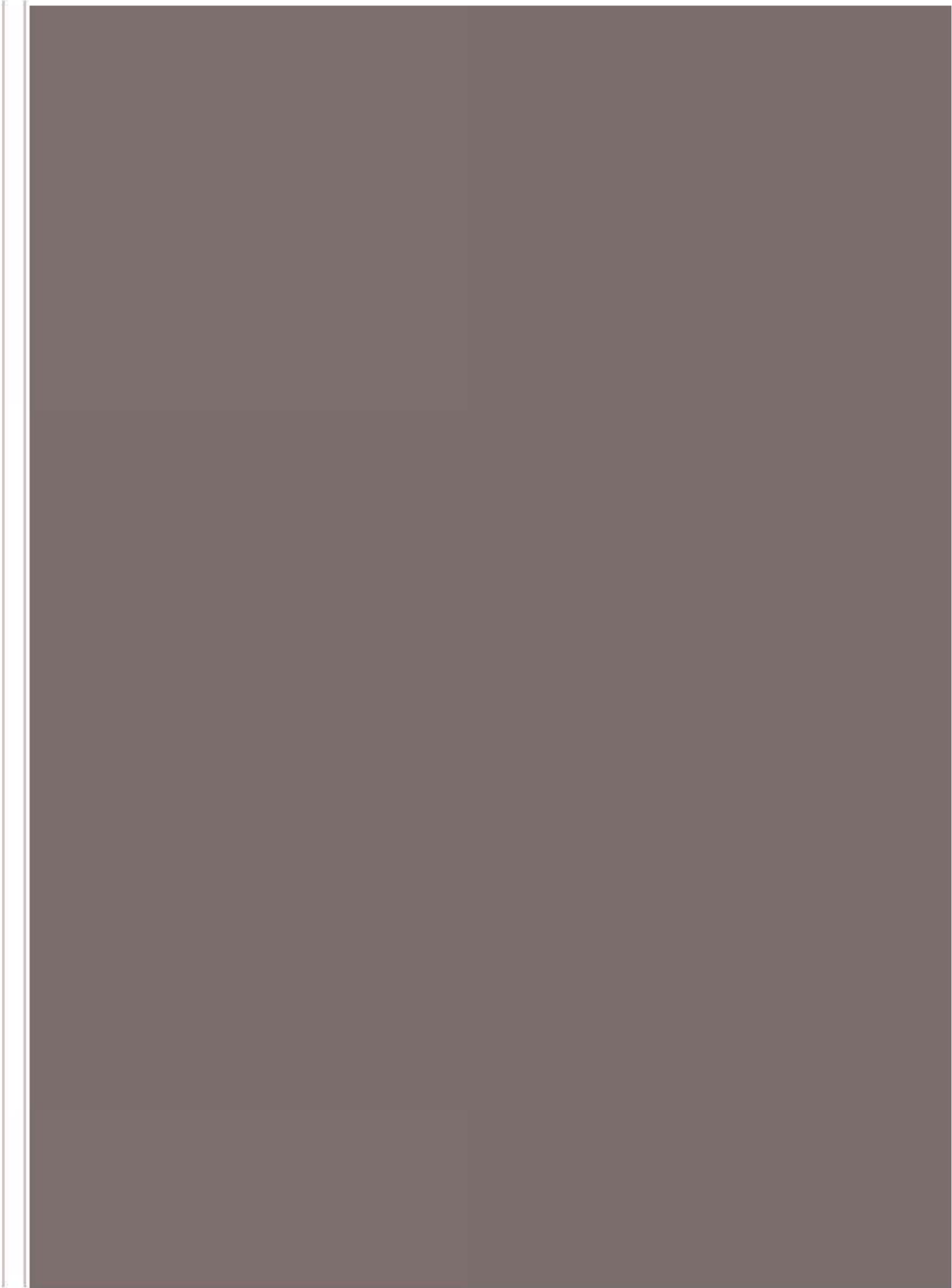
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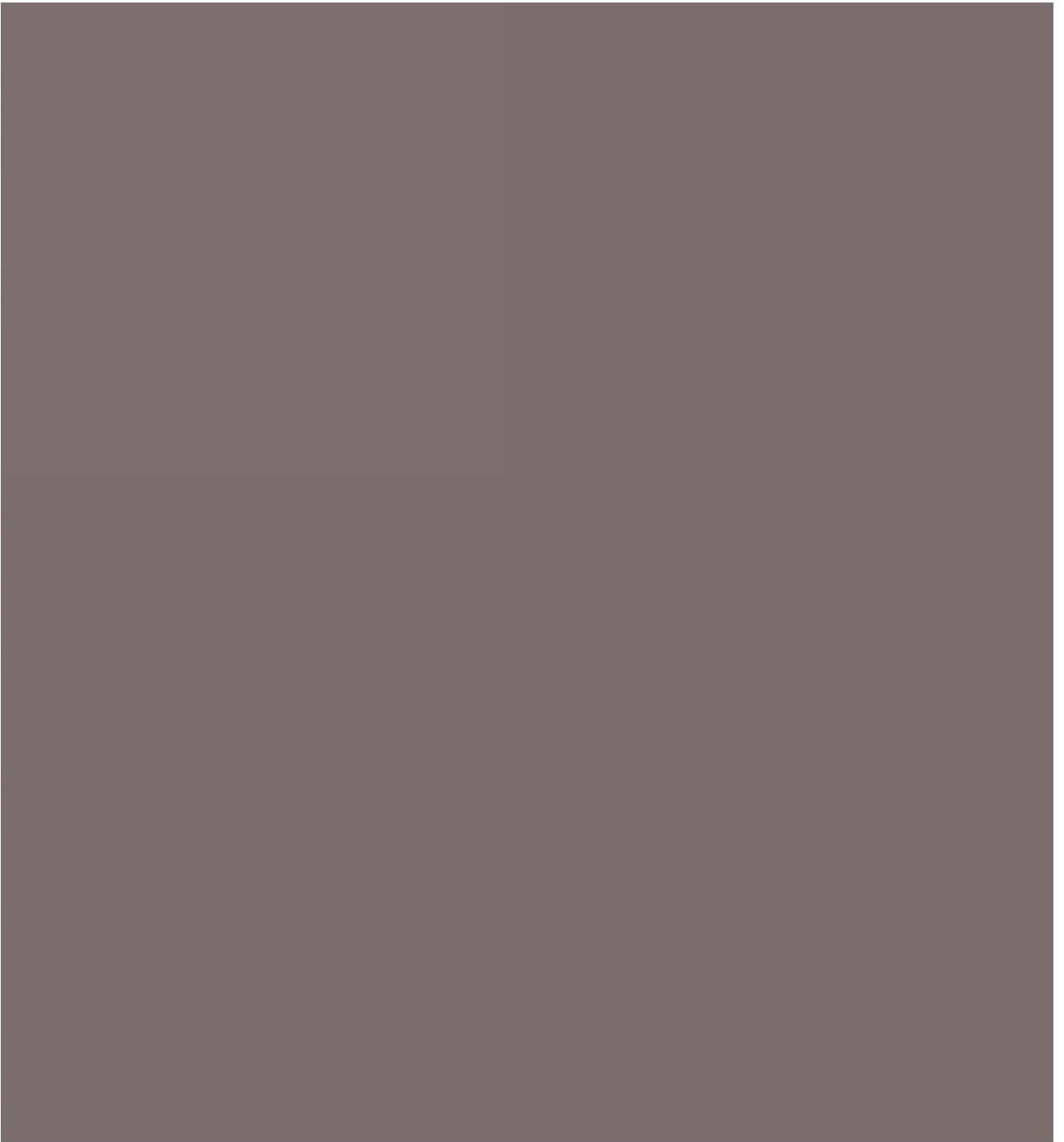
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From: "Vomsaal, Frederick S." <VomsaalF@missouri.edu>

Date: 1/17/2017 7:34 AM

To: Laura Vandenberg <lvandenberg@schoolph.umass.edu>

CC: Charles Benbrook <[REDACTED]>, Bruce Blumberg <blumberg@uci.edu>, Michael

Antoniou <michael.antoniou@kcl.ac.uk>, "[REDACTED]" <[REDACTED]>, Lynn Carroll <[REDACTED]>

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I made only one small change in wording.

[REDACTED]

Laura, are you doing that based on Chuck's suggestion to do so?

Cheers,

Fred

Frederick S. vom Saal

Curators' Distinguished Professor

Division of Biological Sciences

105 Lefevre Hall

University of Missouri-Columbia

Columbia MO 65211

573-356-9621

vomsaal@missouri.edu

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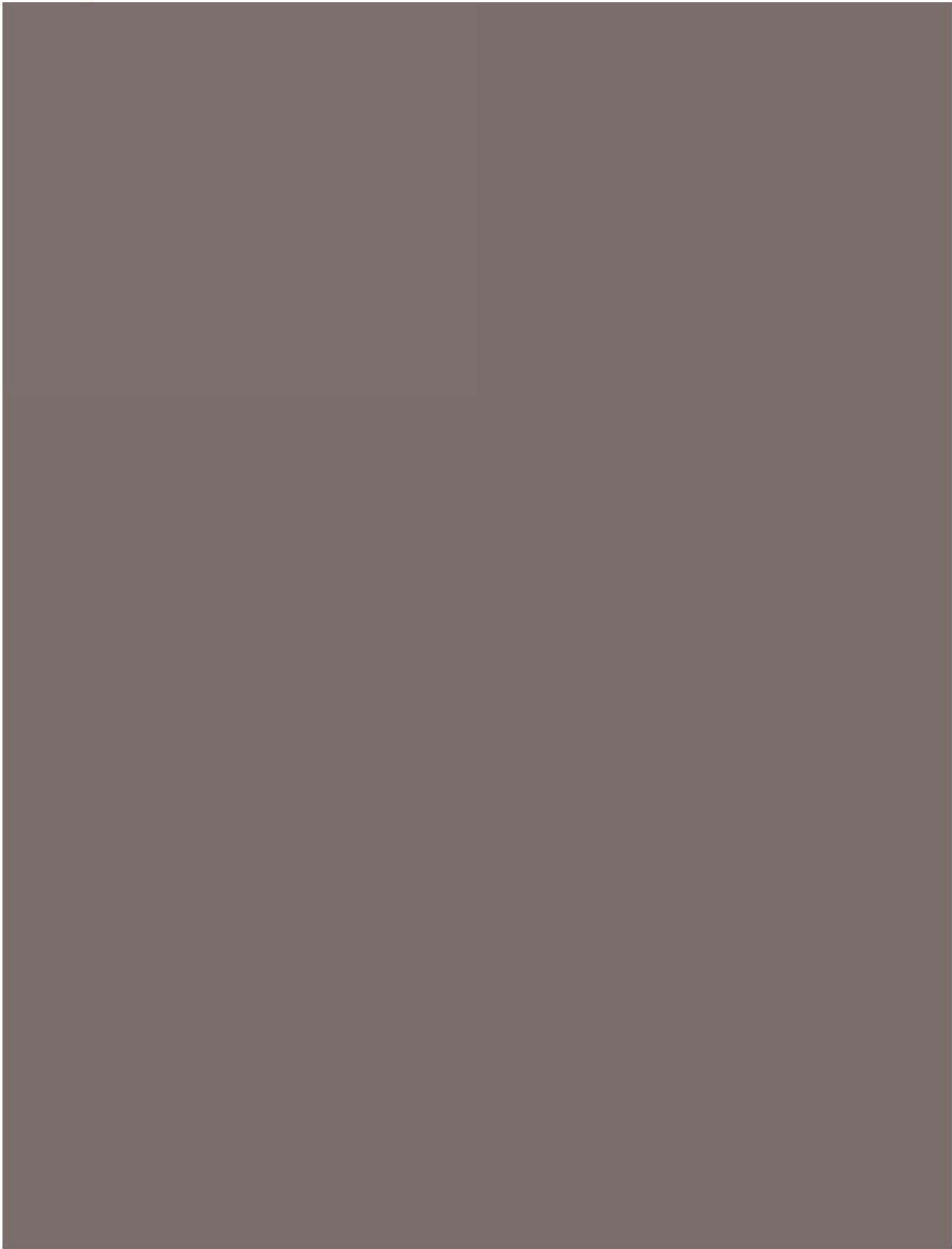
Kind regards.

Cordially,

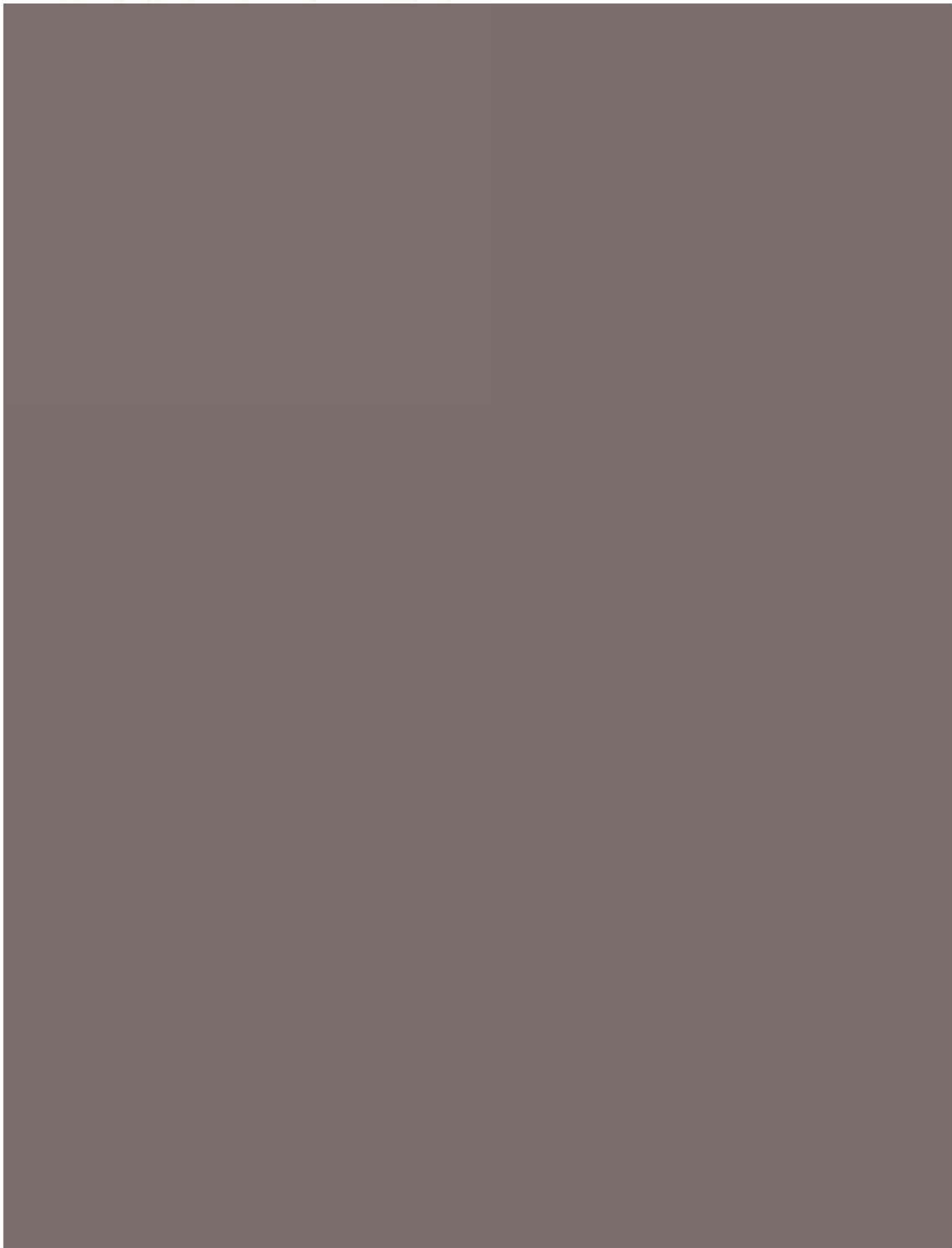
Miquel Porta, MD, MPH, PhD
Deputy Editor, Journal of Epidemiology & Community Health

Reviewers' Comments to Author:









—Attachments:

GBH safety JECH_revision_011517 bpl fvs.docx

116 KB

Subject: Re: Journal of Epidemiology & Community Health - Decision on Manuscript ID jech-2016-208463

From: Laura Vandenberg <lvandenberg@schoolph.umass.edu>

Date: 1/17/2017 5:43 PM

To: Michael Hansen <mhansen@consumer.org>, "Vomsaal, Frederick S." <VomsaalF@missouri.edu>

CC: Charles Benbrook <[REDACTED]>, Bruce Blumberg <blumberg@uci.edu>, Michael Antoniou <michael.antoniou@kcl.ac.uk>, [REDACTED] Lynn Carroll <[REDACTED] "Lorne Everett" <LEverett@everettassociates.net>, "Landrigan, Philip" <philip.landrigan@mssm.edu>, robin mesnage <[REDACTED] "Welshons, Wade V." <WelshonsW@missouri.edu>, Pete Myers <jpmyers@ehsic.org>, "Bruce Lanphear" <bpl3@sfu.ca>

This is great - thanks for all of your responses so far!

Laura N. Vandenberg, PhD
Assistant Professor
University of Massachusetts – Amherst
School of Public Health & Health Sciences
Department of Environmental Health Science
686 N. Pleasant Street
171A Goessmann
Amherst, MA 01003
Tel: 413.577.7405
lvandenberg@schoolph.umass.edu

From: Michael Hansen <mhansen@consumer.org>


Sent: Tuesday, January 17, 2017 7:34 PM

To: Vomsaal, Frederick S.

Cc: Laura Vandenberg; Charles Benbrook; Bruce Blumberg; Michael Antoniou; [REDACTED]; Lynn Carroll; Lorne Everett; Landrigan, Philip; robin mesnage; Welshons, Wade V.; Pete Myers; Bruce Lanphear

Subject: Re: Journal of Epidemiology & Community Health - Decision on Manuscript ID jech-2016-208463

Laura et al,





Best,

Michael

Michael Hansen, Ph.D.
Senior Scientist
Consumers Union
101 Truman Ave.
Yonkers, NY 10703
o: 914-378-2452
c: 

On Tue, Jan 17, 2017 at 10:34 AM, Vomsaal, Frederick S. <VomsaalF@missouri.edu> wrote:
I made only one small change in wording.



Laura, are you doing that based on Chuck's suggestion to do so?
Cheers,
Fred

Frederick S. vom Saal
Curators' Distinguished Professor
Division of Biological Sciences
105 Lefevre Hall
University of Missouri-Columbia
Columbia MO 65211
[573-356-9621](tel:573-356-9621)
vomsaal@missouri.edu

On 1/16/17, 7:59 PM, "Bruce Lanphear" <bpl3@sfu.ca> wrote:

Laura and others:

A few very minor suggested revisions.

Cheers,

Bruce

----- Original Message -----

From: "Laura Vandenberg" <lvandenberg@schoolph.umass.edu>

To: "Charles Benbrook" <[REDACTED]>

Cc: "Bruce Blumberg" <blumberg@uci.edu>, "Michael Antoniou" <michael.antoniou@kcl.ac.uk>, [REDACTED] "Lynn Carroll" <[REDACTED]> "Lorne Everett" <LEverett@everettassociates.net>, "Hansen Michael Ph.D." <mhansen@consumer.org>, "Landrigan, Philip" <philip.landrigan@mssm.edu>, "Bruce Lanphear" <bpl3@sfu.ca>, "robin mesnage" <[REDACTED]>, "Vomsaal Frederick S." <VomsaalF@missouri.edu>, "Wade Welshons" <WelshonsW@missouri.edu>, "Pete Myers" <ipmyers@ehsic.org>

Sent: Sunday, January 15, 2017 7:52:04 PM

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Hi Everyone,

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I would appreciate your feedback on this final draft. I plan to resubmit at the end of this week, so if you could get me any comments by Friday, I would appreciate it.

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Amherst, MA 01003
Tel: [413.577.7405](tel:413.577.7405)
lvandenberg@schoolph.umass.edu

From: Charles Benbrook [REDACTED]
Sent: Wednesday, December 21, 2016 1:24 PM
To: Laura Vandenberg
Cc: Bruce Blumberg; Michael Antoniou; [REDACTED] Lynn Carroll; Lorne Everett; Hansen Michael Ph.D.; Landrigan, Philip; Bruce Lanphear; robin mesnage; Vomsaal Frederick S.; Wade Welshons; Pete Myers
Subject: Re: Journal of Epidemiology & Community Health - Decision on Manuscript ID jech-[2016-208463](#)

Laura et all --

Congrats everyone. Laura, let me know how I can help [REDACTED]
[REDACTED]

Chuck

Charles Benbrook
Benbrook Consulting Services
90063 Troy Road
Enterprise, Oregon 97828
Main: [541-828-7918](tel:541-828-7918) (always forwarded to cell)
[REDACTED]

On Wed, Dec 21, 2016 at 9:09 AM, Journal of Epidemiology & Community Health <onbehalfof+jech+bmj.com@manuscriptcentral.com><<mailto:onbehalfof+jech+bmj.com@manuscriptcentral.com>>> wrote:

21-Dec-2016

Manuscript ID: jech-[2016-208463](#)<<tel:2016-208463>>

Manuscript Title: Is it time to reassess current safety standards for glyphosate-based herbicides?

Dear Laura:

Manuscript ID jech-[2016-208463](#)<<tel:2016-208463>> entitled "Is it time to reassess current safety standards for glyphosate-based herbicides?", which you kindly submitted to the Journal of Epidemiology & Community Health, has been externally reviewed. We think it will be of interest to our readers. The comments of the reviewers are included at the bottom of this letter.

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When writing your manuscript, please remember as well that the JECH is a global journal, that you'll be read worldwide by a wide range of professionals, and that clear, attractive writing is essential. Along with the other relevant articles that you cite, please consider including citations of articles previously published on these issues in the JECH, if appropriate; our readership will thus be reminded of previous work on this topic in this journal.

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Competing Interest

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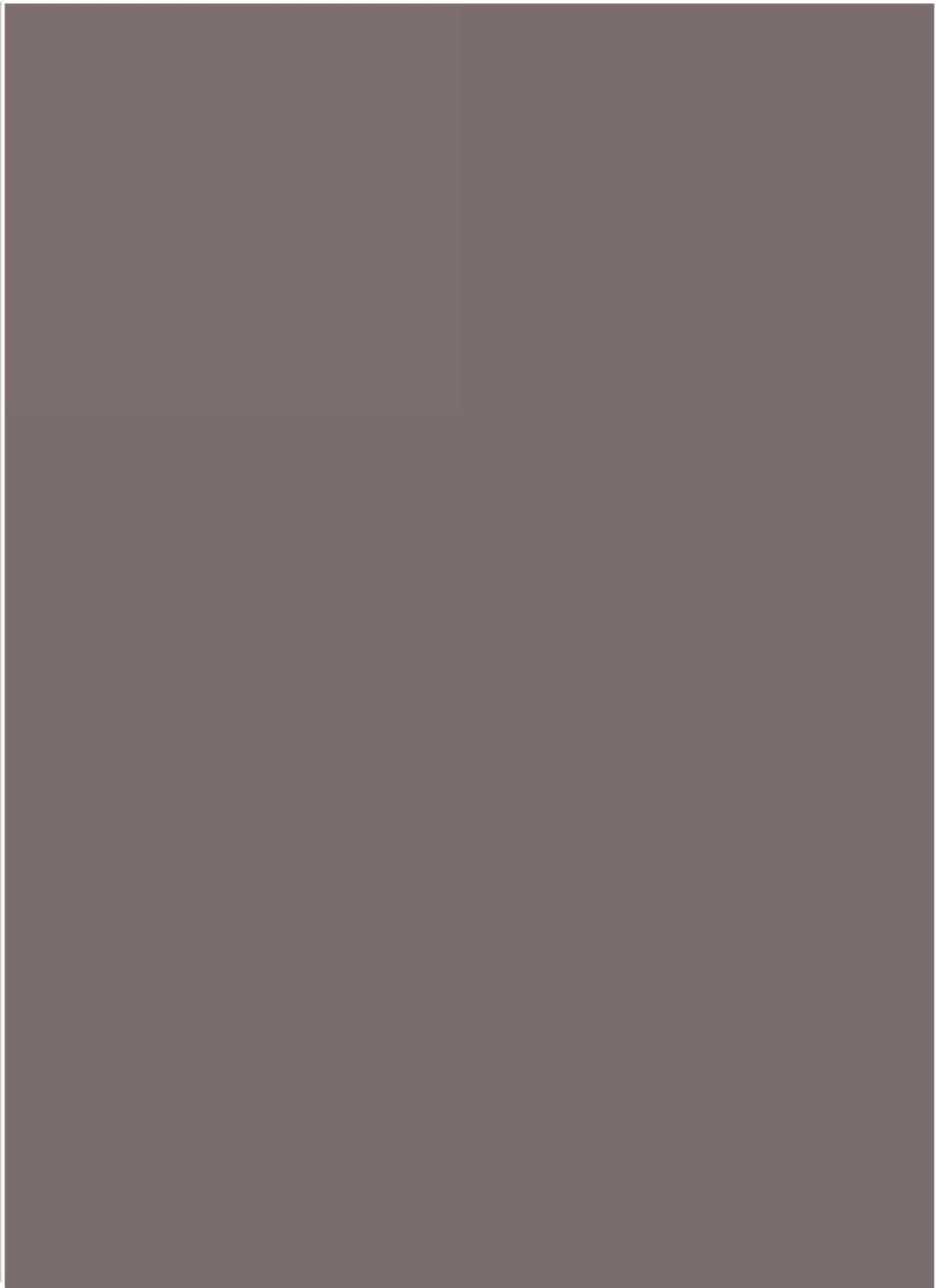
Miquel Porta, MD, MPH, PhD
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Reviewers' Comments to Author:











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From: Michael Hansen <mhansen@consumer.org>

Date: 1/17/2017 4:34 PM

To: "Vomsaal, Frederick S." <VomsaalF@missouri.edu>

CC: Laura Vandenberg <lvandenberg@schoolph.umass.edu>, Charles Benbrook

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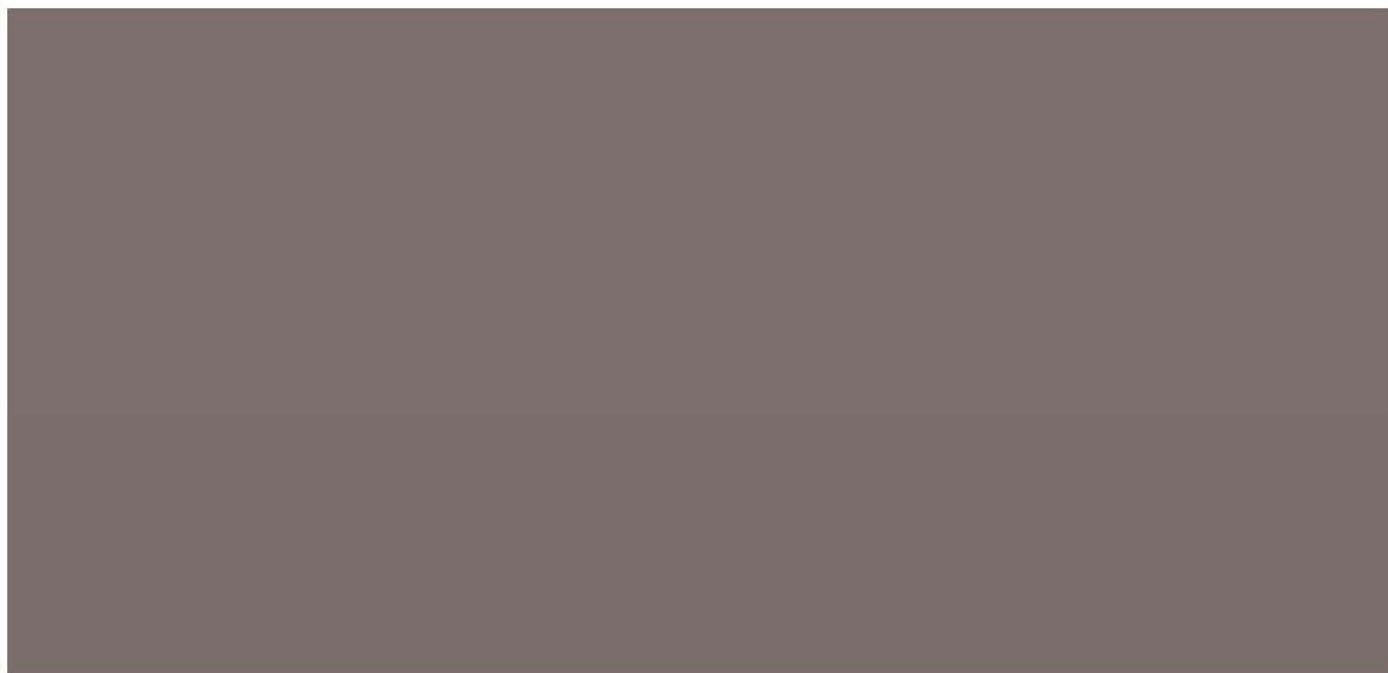
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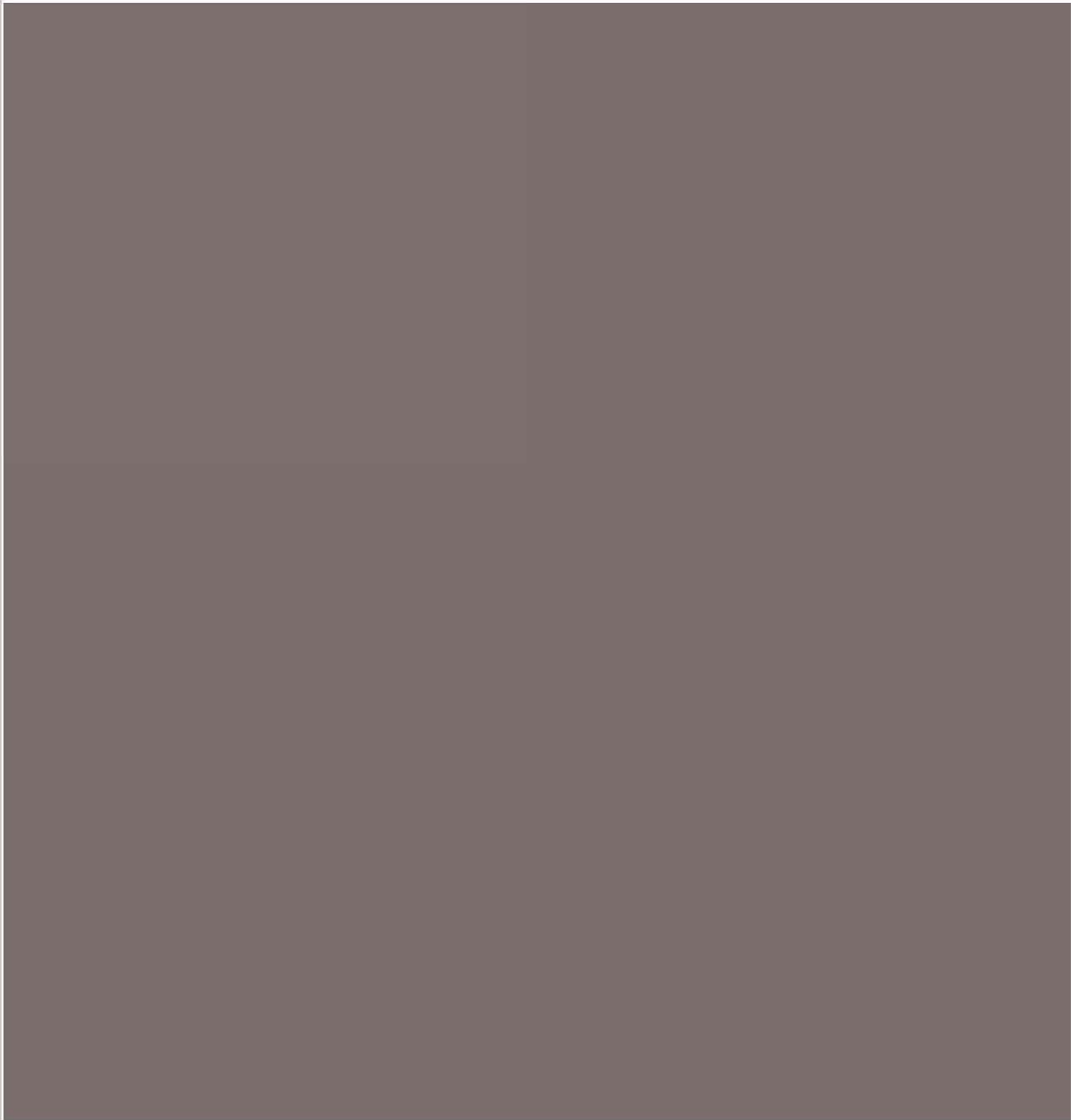
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Subject: Re: Journal of Epidemiology & Community Health - Manuscript ID jech-2016-208463.R1
From: Bruce Blumberg <blumberg@uci.edu>
Date: 1/25/2017 10:32 PM
To: Laura Vandenberg <lvandenberg@schoolph.umass.edu>

Not interested in paying exorbitant open access fees either...

On January 25, 2017 8:01:02 PM PST, Laura Vandenberg <lvandenberg@schoolph.umass.edu> wrote:

I think it is steep... close to \$3000?

I don't have funds for this. Thoughts from anyone else?

Laura N. Vandenberg, PhD
Assistant Professor
University of Massachusetts – Amherst
School of Public Health & Health Sciences
Department of Environmental Health Science
686 N. Pleasant Street
171A Goessmann
Amherst, MA 01003
Tel: 413.577.7405
lvandenberg@schoolph.umass.edu

From: Charles Benbrook <[REDACTED]>
Sent: Wednesday, January 25, 2017 10:58 PM
To: jech@bmj.com
Cc: Laura Vandenberg; Bruce Blumberg; Michael Antoniou; [REDACTED] Lynn Carroll; Lorne Everett; Hansen Michael Ph.D.; Landrigan, Philip; Bruce Lanphear; robin mesnage; Vomsaal Frederick S.; Wade Welshons; Pete Myers
Subject: Re: Journal of Epidemiology & Community Health - Manuscript ID jech-2016-208463.R1

Laura et al --

I thought/was hoping this would be open access. How much would the fee be? I will pay a share.

Chuck

Charles Benbrook
Benbrook Consulting Services
90063 Troy Road
Enterprise, Oregon 97828
Main: 541-828-7918 (always forwarded to cell)
[REDACTED]

On Wed, Jan 25, 2017 at 7:10 PM, Journal of Epidemiology & Community Health <onbehalfof+jech+bmj.com@manuscriptcentral.com> wrote:

25-Jan-2017

Dear Dr. Vandenberg:

Your revised manuscript entitled "Is it time to reassess current safety standards for glyphosate-based herbicides?" has been successfully submitted online and is presently being given full consideration for publication in Journal of Epidemiology & Community Health.

Your manuscript ID is jech-[2016-208463](#).R1.

Please mention the above manuscript ID in all future correspondence or when calling the office for questions. If there are any changes in your street address or e-mail address, please log in to ScholarOne Manuscripts at [REDACTED] and edit your user information as appropriate.

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Journal of Epidemiology & Community Health Editorial Office

--
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Sincerely,

Journal of Epidemiology & Community Health Editorial Office

Subject: Re: Journal of Epidemiology & Community Health - Manuscript ID jech-2016-208463.R1
From: Laura Vandenberg <lvandenberg@schoolph.umass.edu>
Date: 1/25/2017 8:01 PM
To: Charles Benbrook <[REDACTED]>
CC: Bruce Blumberg <blumberg@uci.edu>, Michael Antoniou <michael.antoniou@kcl.ac.uk>, "[REDACTED]" <[REDACTED]> "Lynn Carroll" <[REDACTED]> Lorne Everett <LEverett@everettassociates.net>, "Hansen Michael Ph.D." <mhansen@consumer.org>, "Landrigan, Philip" <philip.landrigan@mssm.edu>, Bruce Lanphear <bpl3@sfu.ca>, robin mesnage <[REDACTED]>, "Vomsaal Frederick S." <VomsaalF@missouri.edu>, "Wade Welshons" <WelshonsW@missouri.edu>, Pete Myers <jpmyers@ehsic.org>

I think it is steep... close to \$3000?

I don't have funds for this. Thoughts from anyone else?

Laura N. Vandenberg, PhD
Assistant Professor
University of Massachusetts – Amherst
School of Public Health & Health Sciences
Department of Environmental Health Science
686 N. Pleasant Street
171A Goessmann
Amherst, MA 01003
Tel: 413.577.7405
lvandenberg@schoolph.umass.edu

From: Charles Benbrook <charlesbenbrook@gmail.com>
Sent: Wednesday, January 25, 2017 10:58 PM
To: jech@bmj.com
Cc: Laura Vandenberg; Bruce Blumberg; Michael Antoniou; [REDACTED] Lynn Carroll; Lorne Everett; Hansen Michael Ph.D.; Landrigan, Philip; Bruce Lanphear; robin mesnage; Vomsaal Frederick S.; Wade Welshons; Pete Myers
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Laura et al --

I thought/was hoping this would be open access. How much would the fee be? I will pay a share.

Chuck

Charles Benbrook
Benbrook Consulting Services
90063 Troy Road
Enterprise, Oregon 97828
Main: 541-828-7918 (always forwarded to cell)

On Wed, Jan 25, 2017 at 7:10 PM, Journal of Epidemiology & Community Health
<onbehalfof+iech+bmi.com@manuscriptcentral.com> wrote:

25-Jan-2017

Dear Dr. Vandenberg:

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From: "Vomsaal, Frederick S." <VomsaalF@missouri.edu>

Date: 1/26/2017 6:05 AM

To: Laura Vandenberg <lvandenberg@schoolph.umass.edu>, Charles Benbrook

<[REDACTED]>

CC: Bruce Blumberg <blumberg@UCI.EDU>, Michael Antoniou <michael.antoniou@kcl.ac.uk>,

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<[REDACTED]>, "Welshons, Wade V." <WelshonsW@missouri.edu>, "Pete Myers"

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The extra cost at journals that are not open access to do that is typically ridiculously high.

Fred

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Date: 1/30/2017 11:57 AM

CC: "blumberg@uci.edu" <blumberg@uci.edu>, "michael.antoniou@kcl.ac.uk"

<michael.antoniou@kcl.ac.uk>, "[REDACTED]" <[REDACTED]>, "[REDACTED]" <[REDACTED]>, "[REDACTED]" <[REDACTED]>

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Sent: Monday, January 30, 2017 12:56 PM

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Miquel Porta
Journal of Epidemiology & Community Health,

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To: "mhansen@consumer.org" <mhansen@consumer.org>

CC: "[REDACTED]" <[REDACTED]> "bpl3@sfu.ca" <bpl3@sfu.ca>, "michael.antoniou@kcl.ac.uk" <michael.antoniou@kcl.ac.uk>, "WelshonsW@missouri.edu" <WelshonsW@missouri.edu>, "jpmymers@ehsic.org" <jpmymers@ehsic.org>, "philip.landrigan@mssm.edu" <philip.landrigan@mssm.edu>, "[REDACTED]" <[REDACTED]> "blumberg@uci.edu" <blumberg@uci.edu>, "[REDACTED]" <[REDACTED]>, "[REDACTED]", "LEverett@everettassociates.net" <LEverett@everettassociates.net>, "[REDACTED]" <[REDACTED]>, "VomsaalF@missouri.edu" <VomsaalF@missouri.edu>

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101 Truman Ave.
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o: 914-378-2452

c: [REDACTED]

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140 KB

Subject: RE: Journal of Epidemiology & Community Health - Decision on Manuscript ID jech-2016-208463.R1

From: Lorne Everett <LEverett@everettassociates.net>

Date: 1/30/2017 1:10 PM

To: Laura Vandenberg <lvandenberg@schoolph.umass.edu>

CC: "blumberg@uci.edu" <blumberg@uci.edu>, "michael.antoniou@kcl.ac.uk"

<michael.antoniou@kcl.ac.uk>, "[REDACTED]" <[REDACTED]>,"

"[REDACTED]:" <[REDACTED]>, "[REDACTED]" <[REDACTED]>

"mhansen@consumer.org" <mhansen@consumer.org>, "philip.landrigan@mssm.edu"

<philip.landrigan@mssm.edu>, "bpl3@sfu.ca" <bpl3@sfu.ca>, "[REDACTED]"

<[REDACTED]"VomsaalF@missouri.edu" <VomsaalF@missouri.edu>,"

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Michael Hansen, Ph.D.

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o: 914-378-2452

c: [REDACTED]

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Thank you! [REDACTED]

Michael

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CC: Laura Vandenberg <lvandenberg@schoolph.umass.edu>, "blumberg@uci.edu" <blumberg@uci.edu>, "michael.antoniou@kcl.ac.uk" <michael.antoniou@kcl.ac.uk>, "[REDACTED]" <[REDACTED]>, "[REDACTED]" <[REDACTED]>, "[REDACTED]" <[REDACTED]>, "philip.landrigan@mssm.edu" <philip.landrigan@mssm.edu>, "bpl3@sfu.ca" <bpl3@sfu.ca>, "[REDACTED]" <[REDACTED]>, "VomsaalF@missouri.edu" <VomsaalF@missouri.edu>, "WelshonsW@missouri.edu" <WelshonsW@missouri.edu>, "jpmymers@ehsic.org" <jpmymers@ehsic.org>

We got the ok, so CU will pay the full bill for Open Access. Yea! Laura, so what is the protocol for paying these charges, e.g., whose should we make the check out to--JECH? Please let me know.

Lorne, the news in CA yesterday was a result of the Friday afternoon preliminary decision in support of CA (OEHHA) listing glyphosate under the Prop 65 law, which requires products containing certain suspected carcinogens or reproductive toxins to be labeled (as long as the amount of the compound exceeds a "safe harbor" level). According to the law, if IARC determines that a compound is a "possible" or "probable" human carcinogen, they it automatically gets put on the Prop 65 list. Monsanto had sued CA to stop the listing, arguing that bny relying of IARC CA is "delegating its authority to an unelected foreign body with no accountability to U.S. or state officials in violation of the California Constitution." Luckily, the judge didn't buy that argument, but we still have to wait for a final decision.

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Sent: Monday, January 30, 2017 12:56 PM

To: Laura Vandenberg

Cc: Laura Vandenberg; blumberg@uci.edu; michael.antoniou@kcl.ac.uk; [REDACTED]; [REDACTED]; LEverett@everettassociates.net; mhansen@consumer.org; philip.landrigan@mssm.edu; bpl3@sfu.ca; [REDACTED]; Vomsaalf@missouri.edu; WelshonsW@missouri.edu; jpmysers@ehsic.org

Subject: Journal of Epidemiology & Community Health - Decision on Manuscript ID jech-2016-208463.R1

30-Jan-2017

Dear Laura, dear colleagues,

Manuscript ID jech-2016-208463.R1 - Is it time to reassess current safety standards for glyphosate-based herbicides?

Thank you very much for the revised version of your paper, which we are pleased to accept for publication in the Journal of Epidemiology & Community Health.

Your paper will be now sent for editing and typesetting and you will receive a proof to check in around 15 working days; please check your junk mail if you have not received your proof within this time, in case the automatic email goes there.

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If you have any questions, please contact me, quoting the manuscript ID.

Yours sincerely,

Miquel Porta
Journal of Epidemiology & Community Health,

<http://jech.bmj.com/>

Twitter: @JECH_BMJ

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attachments from your computer system.

Subject: Re: Here's the embargo end for the EH paper

From: "Antoniou, Michael" <michael.antoniou@kcl.ac.uk>

Date: 2/12/2016 9:53 AM

To: Charles Benbrook <[REDACTED]>

CC: "JPMyers@ehsic.org" <JPMyers@ehsic.org>, "Lanphear, Bruce" <blanphear@sfu.ca>, "Prof. Fred vom Saal" <vomsaalf@missouri.edu>, "Welshons, Wade" <WelshonsW@missouri.edu>, Philip Landrigan <phil.landrigan@mssm.edu>, Bruce Blumberg <blumberg@uci.edu>, Laura Vandenberg <lvandenberg@schoolph.umass.edu>, "Michael Hansen Ph.D." <mhansen@consumer.org>, Robin Mesnage <[REDACTED]> Patrick Holden <patrick@sustainablefoodtrust.org>, Lorne Everett <LEverett@everettassociates.net>, Lynn Carroll <[REDACTED]>

Hi Chuck

I'm aware that [REDACTED] is now at Right to Know but I'm sure she's still well-connected media wise. So I hope [REDACTED] can be included in any media outreach States side.

As for UK and Europe, [REDACTED] has said that he can take care of France. Otherwise approaching a few key NGOs and having them put out press releases is the best we can do. There there are also a couple of journalists at major national dailies that I would like to circulate our paper to either directly or via a UK NGO. Do we have your permission for this?

All the best

Michael

Sent from my iPhone
Dr Michael Antoniou
Head: Gene Expression and Therapy Group
King's College London
Faculty of Life Sciences & Medicine
Department of Medical and Molecular Genetics
8th Floor, Tower Wing
Guy's Hospital
Great Maze Pond
London
SE1 9RT, UK

Tel: +44 (0)20 7188 3708

Fax: +44 (0)20 7188 2585

Email: michael.antoniou@kcl.ac.uk

Web: <https://www.kcl.ac.uk/lsm>

Skype: [REDACTED]



On 12 Feb 2016, at 17:04, Charles Benbrook <[REDACTED]> wrote:

[REDACTED] works at U.S. Right to Know. Important to have a well coordinated press strategy. I am sure Pete will have lots of ideas/plans. One key is who will lead the charge re UK and EU media. I asked the folks at the Soil Association to help with the glyphosate use paper, and they did really well.

One small problem -- two long-awaited meta-analyses on the impacts of organic farming on meat and milk nutritional quality are coming out 2/17 in the British J. of Nutrition. These are the companion pieces to our highly successful July 2014 meta-analysis of plant-based foods. The Soil Association folks, and a lot of media interested in organic issues will be covering these two new meta-analyses.

I am sure Pete will share plans re US media plan.

Chuck

Charles Benbrook
Benbrook Consulting Services
90063 Troy Road
Enterprise, Oregon 97828
Main: 541-828-7918 (always forwarded to cell)

[REDACTED]
<In the interests of privacy, PLEASE DO NOT use my old WSU email anymore>

On Fri, Feb 12, 2016 at 2:58 AM, Antoniou, Michael <michael.antoniou@kcl.ac.uk> wrote:

This is great news -- well done to all!

Can I forward this to [REDACTED] under strict embargo of course, or has she been approached already by SCN?

Michael

Dr Michael Antoniou

Head: Gene Expression and Therapy Group
King's College London

Faculty of Life Sciences and Medicine
Department of Medical and Molecular Genetics
8th Floor, Tower Wing
Guy's Hospital
Great Maze Pond
London
SE1 9RT, UK

Tel: [+44 \(0\)20 7188 3708](tel:+442071883708)

Fax: [+44 \(0\)20 7188 2585](tel:+442071882585)
Email: michael.antoniou@kcl.ac.uk
Skype: [REDACTED]

<image001.jpg>

From: JPMyers@ehsic.org [mailto:JPMyers@ehsic.org]

Sent: 11 February 2016 23:01

To: Lanphear, Bruce <blanphear@sfu.ca>; Prof. Fred vom Saal <vomsaalf@missouri.edu>; Chuck Benbrook <[REDACTED]> Welshons, Wade <WelshonsW@missouri.edu>; Philip Landrigan <phil.landrigan@mssm.edu>; Bruce Blumberg <blumberg@uci.edu>; Laura Vandenberg <lvandenberg@schoolph.umass.edu>; Antoniou, Michael <michael.antoniou@kcl.ac.uk>; Michael Hansen Ph.D. <mhansen@consumer.org>; Robin Mesnage <[REDACTED]> Patrick Holden <patrick@sustainablefoodtrust.org>; Lorne Everett <LEverett@everettassociates.net>; Lynn Carroll <[REDACTED]>

Subject: Here's the embargo end for the EH paper

1 am Central European time on Wednesday 17 February i.e., 7 pm ET on 16 February

and here are the final proofs, attached

Subject: Re: Here's the embargo end for the EH paper

From: Charles Benbrook <[REDACTED]>

Date: 2/12/2016 9:04 AM

To: "Antoniou, Michael" <michael.antoniou@kcl.ac.uk>

CC: "JPMyers@ehsic.org" <JPMyers@ehsic.org>, "Lanphear, Bruce" <blanphear@sfu.ca>, "Prof. Fred vom Saal" <vomsaalf@missouri.edu>, "Welshons, Wade" <WelshonsW@missouri.edu>, Philip Landrigan <phil.landrigan@mssm.edu>, Bruce Blumberg <blumberg@uci.edu>, Laura Vandenberg <lvandenberg@schoolph.umass.edu>, "Michael Hansen Ph.D." <mhansen@consumer.org>, Robin Mesnage <[REDACTED]> Patrick Holden <patrick@sustainablefoodtrust.org>, Lorne Everett <LEverett@everettassociates.net>, Lynn Carroll <[REDACTED]>

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Chuck

Charles Benbrook
Benbrook Consulting Services
90063 Troy Road
Enterprise, Oregon 97828
Main: 541-828-7918 (always forwarded to cell)

<In the interests of privacy, PLEASE DO NOT use my old WSU email anymore>

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This is great news – well done to all!

Can I forward this to Carey Gillam, under strict embargo of course, or has she been approached already by SCN?

Michael

Dr Michael Antoniou

Head: Gene Expression and Therapy Group
King's College London

Faculty of Life Sciences and Medicine
Department of Medical and Molecular Genetics
8th Floor, Tower Wing
Guy's Hospital
Great Maze Pond
London
SE1 9RT, UK

Tel: [+44 \(0\)20 7188 3708](tel:+44(0)2071883708)

Fax: [+44 \(0\)20 7188 2585](tel:+44(0)2071882585)

Email: michael.antoniou@kcl.ac.uk

Skype: [REDACTED]



From: JPMyers@ehsic.org [mailto:JPMyers@ehsic.org]

Sent: 11 February 2016 23:01

To: Lanphear, Bruce <blanphear@sfu.ca>; Prof. Fred vom Saal <vomsaalf@missouri.edu>; Chuck Benbrook <[\[REDACTED\]@missouri.edu](mailto:[REDACTED]@missouri.edu)>; Wade Welshons, Wade <WelshonsW@missouri.edu>; Philip Landrigan <phil.landrigan@mssm.edu>; Bruce Blumberg <blumberg@uci.edu>; Laura Vandenberg <lvandenberg@schoolph.umass.edu>; Antoniou, Michael <michael.antoniou@kcl.ac.uk>; Michael Hansen Ph.D. <mhansen@consumer.org>; Robin Mesnage <[\[REDACTED\]@sustainablefoodtrust.org](mailto:[REDACTED]@sustainablefoodtrust.org)>; Patrick Holden <patrick@sustainablefoodtrust.org>; Lorne Everett <LEverett@everettassociates.net>; Lynn Carroll <[\[REDACTED\]@everettassociates.net](mailto:[REDACTED]@everettassociates.net)>

Subject: Here's the embargo end for the EH paper

1 am Central European time on Wednesday 17 February i.e., 7 pm ET on 16 February

and here are the final proofs, attached

Subject: Re: here is piece on glyphosate consensus

From: "Antoniou, Michael" <michael.antoniou@kcl.ac.uk>

Date: 2/24/2016 11:26 PM

To: "JPMyers@ehsic.org" <JPMyers@ehsic.org>

CC: Charles Benbrook <[REDACTED]> "Lanphear, Bruce" <blanphear@sfu.ca>, "Prof. Fred vom Saal" <vomsaalf@missouri.edu>, "Welshons, Wade" <WelshonsW@missouri.edu>, Philip Landrigan <phil.landrigan@mssm.edu>, Bruce Blumberg <blumberg@uci.edu>, Laura Vandenberg <lvandenberg@schoolph.umass.edu>, "Michael Hansen Ph.D." <mhansen@consumer.org>, Robin Mesnage <[REDACTED]> Patrick Holden <patrick@sustainablefoodtrust.org>, Lorne Everett <LEverett@everettassociates.net>, Lynn Carroll <[REDACTED]>

We get a mention here too:

<http://gu.com/p/4h37t/sbl>

Sent from my iPhone

Dr Michael Antoniou

Head: Gene Expression and Therapy Group

King's College London

Faculty of Life Sciences & Medicine

Department of Medical and Molecular Genetics

8th Floor, Tower Wing

Guy's Hospital

Great Maze Pond

London

SE1 9RT, UK

Tel: +44 (0)20 7188 3708

Fax: +44 (0)20 7188 2585

Email: michael.antoniou@kcl.ac.uk

Web: <https://www.kcl.ac.uk/lsm>

Skype: [REDACTED]



On 19 Feb 2016, at 03:01, "JPMyers@ehsic.org" <JPMyers@ehsic.org> wrote:

thanks, and here's another: <http://bit.ly/1SCh9wU>

From: "Antoniou, Michael" <michael.antoniou@kcl.ac.uk>
To: Peterson Pete Myers <JPMvers@ehsic.org>, Charles Benbrook <[REDACTED]>
Date: 02/18/2016 10:47 AM
Subject: Fwd: here is piece

Sent from my iPhone
Dr Michael Antoniou
Head: Gene Expression and Therapy Group
King's College London
Faculty of Life Sciences & Medicine
Department of Medical and Molecular Genetics
8th Floor, Tower Wing
Guy's Hospital
Great Maze Pond
London
SE1 9RT, UK

Tel: +44 (0)20 7188 3708
Fax: +44 (0)20 7188 2585
Email: michael.antoniou@kcl.ac.uk
Web: <https://www.kcl.ac.uk/lsm>
Skype: [REDACTED]

Begin forwarded message:

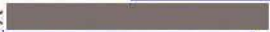
From: Carey Gillam <[REDACTED]>
Date: 17 February 2016 at 21:37:21 GMT
To: "Antoniou, Michael" <michael.antoniou@kcl.ac.uk>
Subject: Re: here is piece
Reply-To: Carey Gillam <[REDACTED]>

[Time for U.S. Regulators to Get Serious About Safety of Popular Pesticide](#)


[Time for U.S. Regulators to Get Serious About Safety of ...](#)

It's about time. Plans by the Food and Drug Administration (FDA), the nation's chief food safety regulator, to start testing food for residues of the world's most w...

View on www.huffingtonpost.com Preview by Yahoo

From: "Antoniou, Michael" <michael.antoniou@kcl.ac.uk>
To: Carey Gillam <>
Sent: Wednesday, February 17, 2016 12:58 PM
Subject: Re: sorry to bother but...

Understood Carey, I'll get something unique to you shortly!


Michael x

Sent from my iPhone
Dr Michael Antoniou
Head: Gene Expression and Therapy Group
King's College London
Faculty of Life Sciences & Medicine
Department of Medical and Molecular Genetics
8th Floor, Tower Wing
Guy's Hospital
Great Maze Pond

London
SE1 9RT, UK

Tel: +44 (0)20 7188 3708

Fax: +44 (0)20 7188 2585

Email: michael.antoniou@kcl.ac.uk

Web: <https://www.kcl.ac.uk/lsm>

Skype: [REDACTED]

On 17 Feb 2016, at 18:16, Carey Gillam <[REDACTED]> wrote:

I am so sorry to bother as I'm sure you are inundated.... [REDACTED]

[REDACTED]

A simple quick sentence from you would be so helpful in making this story publishable. I could call you if you prefer not to type??

Carey

From: Carey Gillam <[REDACTED]>
To: "Antoniou, Michael" <michael.antoniou@kcl.ac.uk>
Sent: Wednesday, February 17, 2016 10:12 AM
Subject: Re: Publication lay summary

I'm writing up a piece for the Huffington Post that will lean heavily on your report. Could you give me a quick comment/short quote about why this issue is so important? Why people should care?

Subject: Re: Chemistry World is published by the Royal Society of Chemistry

From: JPMyers@ehsic.org

Date: 2/25/2016 9:04 AM

To: robin mesnage <[REDACTED]>

CC: Amy Kostant <amy@sciencecom.org>, "Lanphear, Bruce" <blanphear@sfu.ca>, Bruce Blumberg <blumberg@uci.edu>, Chuck Benbrook <[REDACTED]> Lorne Everett <LEverett@everettassociates.net>, Laura Vandenberg <lvandenberg@schoolph.umass.edu>, "Michael Hansen Ph.D." <mhansen@consumer.org>, Michael Antoniou <michael.antoniou@kcl.ac.uk>, Patrick Holden <patrick@sustainablefoodtrust.org>, Philip Landrigan <phil.landrigan@mssm.edu>, Lynn Carroll <[REDACTED]> "Prof. Fred vom Saal" <vomsaalf@missouri.edu>, "Welshons, Wade" <WelshonsW@missouri.edu>

fantastic! Good luck. Knock'm dead.

From: robin mesnage <[REDACTED]>

To: Pete Myers <JPMyers@ehsic.org>

CC: "Lanphear, Bruce" <blanphear@sfu.ca>, "Prof. Fred vom Saal" <vomsaalf@missouri.edu>, Chuck Benbrook <[REDACTED]> "Welshons, Wade" <WelshonsW@missouri.edu>, Philip Landrigan <phil.landrigan@mssm.edu>, Bruce Blumberg <blumberg@uci.edu>, Laura Vandenberg <lvandenberg@schoolph.umass.edu>, Michael Antoniou <michael.antoniou@kcl.ac.uk>, "Michael Hansen Ph.D." <mhansen@consumer.org>, Patrick Holden <patrick@sustainablefoodtrust.org>, Lorne Everett <LEverett@everettassociates.net>, Lynn Carroll <[REDACTED]> Amy Kostant <amy@sciencecom.org>

Date: 02/25/2016 11:46 AM

Subject: Re: Chemistry World is published by the Royal Society of Chemistry

Thanks Pete,

I will be giving a speech to the MEP at the European Parliament next Wednesday about glyphosate reassessment (program attached), they will print copies of our consensus statement for the deputies. Let's one that at least one of them will read it!

A live stream will be available here <http://www.pavelpoc.cz/node/457>

The best,

Robin.

--

Dr. Robin Mesnage

Gene Expression and Therapy Group

King's College London, Faculty of Life Sciences & Medicine

Department of Medical and Molecular Genetics
8th Floor Tower Wing
Guy's Hospital
Great Maze Pond
London SE1 9RT, UK.

On 25 February 2016 at 15:08, <JPMyers@ehsic.org> wrote:

Feb 25 [Glyphosate persistence raises questions](#). The widely used weedkiller glyphosate persists in water and soil longer than previously recognised, and human exposures to glyphosate-based herbicides (GBHs) are rising, experts from various universities as well as environmental health and consumer groups have concluded in a new scientific review. [Chemistry World](#)

—Attachments:—

Glyphosate 2016 - FINAL AGENDA.pdf

199 KB

Subject: RE: Chemistry World is published by the Royal Society of Chemistry

From: Laura Vandenberg <lvandenberg@schoolph.umass.edu>

Date: 2/26/2016 12:43 PM

To: Michael Hansen <mhansen@consumer.org>, Pete Myers <JPMyers@ehsic.org>

CC: Amy Kostant <amy@sciencecom.org>, "Lanphear, Bruce" <blanphear@sfu.ca>, Bruce Blumberg <blumberg@uci.edu>, Chuck Benbrook <[REDACTED]> Emily Copeland <emily@sciencecom.org>, "Gabriela Silvani" <gabriela@sciencecom.org>, Lorne Everett <LEverett@everettassociates.net>, "Antoniou, Michael" <michael.antoniou@kcl.ac.uk>, Patrick Holden <patrick@sustainablefoodtrust.org>, Philip Landrigan <phil.landrigan@mssm.edu>, robin mesnage <[REDACTED]> Lynn Carroll <[REDACTED]> "Prof. Fred vom Saal" <vomsaalf@missouri.edu>, "Welshons, Wade" <WelshonsW@missouri.edu>

Thanks, Michael. I will give him your contact information. I think it would be good for someone to have a phone conversation with him about these two individuals. I'm probably not the right person to have it!!

Thanks everyone for this very enlightening exchange. What an interesting world in which we work!

Best,
Laura

Laura N. Vandenberg, PhD
Assistant Professor
University of Massachusetts – Amherst
School of Public Health & Health Sciences
Department of Environmental Health Science
686 N. Pleasant Street
149B Goessmann
Amherst, MA 01003
Tel: 413.577.7405
lvandenberg@schoolph.umass.edu

From: Michael Hansen [mhansen@consumer.org]

Sent: Friday, February 26, 2016 3:34 PM

To: Pete Myers

Cc: Amy Kostant; Lanphear, Bruce; Bruce Blumberg; Chuck Benbrook; Emily Copeland; Gabriela Silvani; Lorne Everett; Laura Vandenberg; Antoniou, Michael; Patrick Holden; Philip Landrigan; robin mesnage; Lynn Carroll; Prof. Fred vom Saal; Welshons, Wade

Subject: Re: Chemistry World is published by the Royal Society of Chemistry

Of course they are tone deaf. They are true believers and I think they are desperate for some kind of validation of their positions, hence the approaches to Laura and Phil. The more reputable grass roots folks stay away from them, and I notice after that first appearance in MA in 2013, they have been no shows at the subsequent hearings in MA. This is all about trying to get more recognition of their views as being scientifically credible and to be seen as more leader in the GE movement.

That said, if Laura wants to give Frantz my contact info, I'd be willing to talk to him. He's on the advisory

board of the Bio-Integral Resource Center (BIRC), which has been doing fantastic work on IPM for decades. [REDACTED] So, he's done some good work on IPM, but is out of his depth on the GE issue. Perhaps he will listen to reason.

Michael Hansen, Ph.D.
Senior Scientist
Consumers Union
101 Truman Ave.
Yonkers, NY 10703
o: 914-378-2452
c: [REDACTED]

On Fri, Feb 26, 2016 at 2:08 PM, <JPMyers@ehsic.org> wrote:

Thanks for this Michael. I've had several run-ins with Samsel, none pleasant. Absolutely tone deaf about his and her adverse effects. I'm surprised they haven't come out critical of our paper.

From: Michael Hansen <mhansen@consumer.org>
To: "Antoniou, Michael" <michael.antoniou@kcl.ac.uk>
Cc: "JPMyers@ehsic.org" <JPMyers@ehsic.org>, Laura Vandenberg <lvandenberg@schoolph.umass.edu>, Amy Kostant <amy@sciencecom.org>, "Lanphear, Bruce" <blanphear@sfu.ca>, Bruce Blumberg <blumberg@uci.edu>, Chuck Benbrook <[REDACTED]>, Emily Copeland <emily@sciencecom.org>, Gabriela Silvani <gabriela@sciencecom.org>, Lorne Everett <LEverett@everettassociates.net>, Patrick Holden <patrick@sustainablefoodtrust.org>, Philip Landrigan <phil.landrigan@mssm.edu>, robin mesnage <[REDACTED]>, Lynn Carroll <[REDACTED]>, "Prof. Fred vom Saal" <vomsaal@missouri.edu>, "Welshons, Wade" <WelshonsW@missouri.edu>
Date: 02/26/2016 11:44 AM
Subject: Re: Chemistry World is published by the Royal Society of Chemistry

In addition to be wrong they are truly nutty and have zero political sense. They testified together at the first hearing in Boston before the Joint Public Health Committee on the GE labeling bill, held June 10, 2013. It was a bit of a mad house. The place was packed, as there had been a rally and press conference beforehand (neither of them were allowed to speak at that). There were 70 people that testified and the only one in opposition was a GMA representative. That said, S & S got to be among the first to testify and were given 10 minutes (the rest of us got 2 min), since Seneff is at MIT. Any way, rather than speak to the substance of the bill, they instead spoke (Seneff did most of the talking) about the need for labeling because of the dangers of glyphosate (virtually whole testimony was about glyphosate), ending their testimony by saying that because glyphosate has been shown to reduce serotonin levels, this could explain the increased suicide and homicide rates in Boston and other cities in MA. It was truly unhinged. In testimony in Hawaii, Seneff has even suggested that glyphosate could potentially explain the Boston bombing!

As for Samsell, he called me two Thanksgivings ago. He asked if I had supported the Codex definition of GE (which is basically the definition used in all the state bills and ballot initiatives). He then proceeded to

tell me that that definition is wrong because there are a number of GE crops (lettuce and tomato) that were produced through viral transduction and he had the patent documents to prove it. I told him if that were true and there was evidence of that, that we could always go back to Codex with this new information and potentially reopen the Task Force on Foods Derived from Modern Biotechnology. When I asked for copies/proof of what he was saying, he simply back tracked and said that the definition had come from the US State Department. I tried to reason with him, telling him that the Codex definition was based on the one in the Cartagena Protocol for Biosafety, which had been fully supported by all the NGOs and affiliated scientists. I asked if he thought that all the scientists in the global movement were wrong and he was right? Since then, he has been telling people that I am just a tool of the State Department. In other words, totally clueless.

While I normally ignore such loons, they are very dangerous since significant portions of the grass roots activists buy into their nonsense. One of them is Zen Honeycutt, founder of Moms Across America, a big anti-GE group. I got roped into going to an EPA meeting with her and a number of other members at the last minute (there also was a scientist from NRDC there). They opened the meeting with Honeycutt demanded that all the members at the table say how many kids they have and whether they have ever worked for industry. The top EPA official in the room said that was unacceptable, yet also the staffers answered those questions. The EPA sat there for over 2 hours (the original meeting was only supposed to be for an hour), while the 6 mothers all told stories of how their kids had autism, multiple allergies and other health problems that magically went away as soon as they went on a non-GE diet. They also claimed that glyphosate concentrated in breast milk and EPA needed to take immediate action. EPA tried to talk rationally to them without success. When a couple of the officials tried to leave the meeting after 1 1/4 hours, Honeycutt demanded that they stay to hear what all the mother had to say, and they. I was amazed at the patience of the EPA officials, but suspect they stayed because these were supposed "victims" and also because they had organized 30,000 folks to call EPA over this.

Bottom line, stay far away. I'm sure Chuck will tell Phil to have no contact, if he doesn't already know that. You might try calling (don't email) Dr. Frantz and tell him that S & S are not scientifically credible. There are lots of medical doctors out there that have bought into this nonsense, thanks to Jeffrey Smith and S & S, so it might be good to try to let Dr. Frantz know about their lack of scientific substance. Or you could just ignore them as Pete suggests.

Best,

Michael

Michael Hansen, Ph.D.
Senior Scientist
Consumers Union
101 Truman Ave.
Yonkers, NY 10703
o: [914-378-2452](tel:914-378-2452)
c: [REDACTED]

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Subject: Re: Chemistry World is published by the Royal Society of Chemistry

From: Michael Hansen <mhansen@consumer.org>

Date: 2/26/2016 8:44 AM

To: "Antoniou, Michael" <michael.antoniou@kcl.ac.uk>

CC: "JPMyers@ehsic.org" <JPMyers@ehsic.org>, Laura Vandenberg

<lvandenberg@schoolph.umass.edu>, Amy Kostant <amy@sciencecom.org>, "Lanphear, Bruce"

<blanphear@sfu.ca>, Bruce Blumberg <blumberg@uci.edu>, Chuck Benbrook

<[REDACTED] Emily Copeland <emily@sciencecom.org>, Gabriela Silvani

<gabriela@sciencecom.org>, Lorne Everett <LEverett@everettassociates.net>, Patrick Holden

<patrick@sustainablefoodtrust.org>, Philip Landrigan <phil.landrigan@mssm.edu>, robin

mesnage <[REDACTED] Lynn Carroll <[REDACTED] "Prof. Fred vom Saal"

<vomsaalf@missouri.edu>, "Welshons, Wade" <WelshonsW@missouri.edu>

In addition to be wrong they are truly nutty and have zero political sense. They testified together at the first hearing in Boston before the Joint Public Health Committee on the GE labeling bill, held June 10, 2013. It was a bit of a mad house. The place was packed, as there had been a rally and press conference beforehand (neither of them were allowed to speak at that). There were 70 people that testified and the only one in opposition was a GMA representative. That said, S & S got to be among the first to testify and were given 10 minutes (the rest of us got 2 min), since Seneff is at MIT. Any way, rather than speak to the substance of the bill, they instead spoke (Seneff did most of the talking) about the need for labeling because of the dangers of glyphosate (virtually whole testimony was about glyphosate), ending their testimony by saying that because glyphosate has been shown to reduce serotonin levels, this could explain the increased suicide and homicide rates in Boston and other cities in MA. It was truly unhinged. In testimony in Hawaii, Seneff has even suggested that glyphosate could potentially explain the Boston bombing!

As for Samsell, he called me two Thanksgivings ago. He asked if I had supported the Codex definition of GE (which is basically the definition used in all the state bills and ballot initiatives). He then proceeded to tell me that that definition is wrong because there are a number of GE crops (lettuce and tomato) that were produced through viral transduction and he had the patent documents to prove it. I told him if that were true and there was evidence of that, that we could always go back to Codex with this new information and potentially reopen the Task Force on Foods Derived from Modern Biotechnology. When I asked for copies/proof of what he was saying, he simply back tracked and said that the definition had come from the US State Department. I tried to reason with him, telling him that the Codex definition was based on the one in the Cartagena Protocol for Biosafety, which had been fully supported by all the NGOs and affiliated scientists. I asked if he thought that all the scientists in the global movement were wrong and he was right? Since then, he has been telling people that I am just a tool of the State Department. In other words, totally clueless.

While I normally ignore such loons, they are very dangerous since significant portions of the grass roots activists buy into their nonsense. One of them is Zen Honeycutt, founder of Moms Across America, a big anti-GE group. I got roped into going to an EPA meeting with her and a number of other members at the last minute (there also was a scientist from NRDC there). They opened the meeting with Honeycutt demanded that all the members at the table say how many kids they have and whether they have ever worked for industry. The top EPA official in the room

said that was unacceptable, yet also the staffers answered those questions. The EPA sat there for over 2 hours (the original meeting was only supposed to be for an hour), while the 6 mothers all told stories of how their kids had autism, multiple allergies and other health problems that magically went away as soon as they went on a non-GE diet. They also claimed that glyphosate concentrated in breast milk and EPA needed to take immediate action. EPA tried to talk rationally to them without success. When a couple of the officials tried to leave the meeting after 1 1/4 hours, Honeycutt demanded that they stay to hear what all the mother had to say, and they. I was amazed at the patience of the EPA officials, but suspect they stayed because these were supposed "victims" and also because they had organized 30,000 folks to call EPA over this.

Bottom line, stay far away. I'm sure Chuck will tell Phil to have no contact, if he doesn't already know that. You might try calling (don't email) Dr. Frantz and tell him that S & S are not scientifically credible. There are lots of medical doctors out there that have bought into this nonsense, thanks to Jeffrey Smith and S & S, so it might be good to try to let Dr. Frantz know about their lack of scientific substance. Or you could just ignore them as Pete suggests.

Best,

Michael

Michael Hansen, Ph.D.
Senior Scientist
Consumers Union
101 Truman Ave.
Yonkers, NY 10703
o: 914-378-2452
c: [REDACTED]

On Fri, Feb 26, 2016 at 8:42 AM, Antoniou, Michael <michael.antoniou@kcl.ac.uk> wrote:

Agreed, but S & S are not just way over the top but technically wrong. Hence they will definitely do more harm than good even if we'll intentioned!

Sent from my iPhone
Dr Michael Antoniou
Head: Gene Expression and Therapy Group
King's College London
Faculty of Life Sciences & Medicine
Department of Medical and Molecular Genetics
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Tel: [+44 \(0\)20 7188 3708](tel:+442071883708)
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Email: michael.antoniou@kcl.ac.uk
Web: <https://www.kcl.ac.uk/lsm>
Skype: [REDACTED]

Subject: Re: Chemistry World is published by the Royal Society of Chemistry

From: Michael Hansen <mhansen@consumer.org>

Date: 2/26/2016 12:34 PM

To: Pete Myers <JPMyers@ehsic.org>

CC: Amy Kostant <amy@sciencecom.org>, "Lanphear, Bruce" <blanphear@sfu.ca>, Bruce Blumberg <blumberg@uci.edu>, Chuck Benbrook <[REDACTED]> Emily Copeland <emily@sciencecom.org>, Gabriela Silvani <gabriela@sciencecom.org>, Lorne Everett <LEverett@everettassociates.net>, Laura Vandenberg <lvandenberg@schoolph.umass.edu>, "Antoniou, Michael" <michael.antoniou@kcl.ac.uk>, Patrick Holden <patrick@sustainablefoodtrust.org>, Philip Landrigan <phil.landrigan@mssm.edu>, robin mesnage <[REDACTED]> Lynn Carroll <[REDACTED]> "Prof. Fred vom Saal" <vomsaalf@missouri.edu>, "Welshons, Wade" <WelshonsW@missouri.edu>

Of course they are tone deaf. They are true believers and I think they are desperate for some kind of validation of their positions, hence the approaches to Laura and Phil. The more reputable grass roots folks stay away from them, and I notice after that first appearance in MA in 2013, they have been no shows at the subsequent hearings in MA. This is all about trying to get more recognition of their views as being scientifically credible and to be seen as more leader in the GE movement.

That said, if Laura wants to give Frantz my contact info, I'd be willing to talk to him. He's on the advisory board of the Bio-Integral Resource Center (BIRC), which has been doing fantastic work on IPM for decades. [REDACTED] So, he's done some good work on IPM, but is out of his depth on the GE issue. Perhaps he will listen to reason.

Michael Hansen, Ph.D.
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o: 914-378-2452
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On Fri, Feb 26, 2016 at 2:08 PM, <JPMyers@ehsic.org> wrote:

Thanks for this Michael. I've had several run-ins with Samsel, none pleasant. Absolutely tone deaf about his and her adverse effects. I'm surprised they haven't come out critical of our paper.

From: Michael Hansen <mhansen@consumer.org>

To: "Antoniou, Michael" <michael.antoniou@kcl.ac.uk>

Cc: "JPMyers@ehsic.org" <JPMyers@ehsic.org>, Laura Vandenberg <lvandenberg@schoolph.umass.edu>, Amy Kostant <amy@sciencecom.org>, "Lanphear, Bruce" <blanphear@sfu.ca>, Bruce Blumberg <blumberg@uci.edu>, Chuck Benbrook <[REDACTED]> Emily Copeland <emily@sciencecom.org>, Gabriela Silvani <gabriela@sciencecom.org>, Lorne Everett <LEverett@everettassociates.net>, Patrick Holden <patrick@sustainablefoodtrust.org>, Philip Landrigan <phil.landrigan@mssm.edu>, robin mesnage <[REDACTED]> Lynn Carroll <[REDACTED]> "Prof. Fred vom Saal" <vomsaalf@missouri.edu>, "Welshons, Wade" <WelshonsW@missouri.edu>

Date: 02/26/2016 11:44 AM

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because these were supposed "victims" and also because they had organized 30,000 folks to call EPA over this.

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Michael Hansen, Ph.D.
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c: [REDACTED]

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Subject: Fwd: [gmolist] Brussels promises hormone disruptors definition 'by this summer'

From: Michael Antoniou <[REDACTED]>

Date: 3/5/2016 1:13 AM

To: Peterson Pete Myers <JPMyers@ehsic.org>, I Vandenberg <lvandenberg@schoolph.umass.edu>, Bruce Blumberg <blumberg@uci.edu>, Fred Vomsaal <vomsaalF@missouri.edu>

The EU wants to define what is already defined; typical stalling politics that's been going on for years!

Sent from my iPhone
Dr Michael Antoniou
Head: Gene Expression and Therapy Group
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Faculty of Life Sciences & Medicine
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Tel: +44 (0)20 7188 3708

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Email: michael.antoniou@kcl.ac.uk

Web: <https://www.kcl.ac.uk/lsm>

Skype: [REDACTED]



Begin forwarded message:

From: 'anthony jackson' via gmolist <gmolist@googlegroups.com>

Date: 4 March 2016 at 11:10:11 GMT

To: GMOList <gmolist@googlegroups.com>

Cc: Andreas Bauer-Panskus <info@epi-gen.de>, Helen Wallace <helen.wallace@genewatch.org>, Tamara Lebrecht <tamara.lebrecht@genewatch.org>, Hans Muilerman <hans@pan-europe.info>

Subject: [gmolist] Brussels promises hormone disruptors definition 'by this summer'

Reply-To: anthony jackson <[REDACTED]>

<http://www.euractiv.com/section/agriculture-food/news/brussels-promises-progress->

[on-health-issues/](#)

Brussels promises hormone disruptors definition 'by this summer'

By Cécile Barbière, Frédéric Simon | [EurActiv.fr](#) | Translated By Samuel White

6:39 (updated: 8:47)



Hormone disrupting chemicals are found in many everyday objects, including rubber boots.

Comments

2

13

1

[\[Steven Lilley/Flickr\]](#)

The European Commission has responded to criticism over its weaknesses on health and food safety with a series of goodwill gestures on hormone disruptors and glyphosate during a visit in Paris. [EurActiv France reports.](#)

Europe's inaction on endocrine (hormone) disruptors may soon come to an end.

Health Commissioner Vytenis Andriukaitis was in Paris on Thursday (3 March) for a meeting with French Minister of Ecology Ségolène Royal.

He announced that the Commission will reexamine the status of certain chemical substances used

in the manufacturing of plastics, which are suspected of damaging the human hormonal system.

"I confirmed to the Minister Ségolène Royal that the Commission intends, by this summer, to present a list of criteria defining hormone disruptors, based on the one used by the World Health Organisation (WTO)," the Lithuanian Commissioner told the press in Paris on Thursday.

France supports the WTO's classification system, which divides hormone disruptors into three categories: proven, probable and possible.

"I appreciate the Commission's willingness to accelerate its action on hormone disruptors and to present its conclusions by this summer," Royal said.

Prolonged blockage

Efforts to regulate hormone disrupting chemicals have been blocked in Brussels for several years.

The executive was supposed to have adopted criteria for the identification and classification of these chemicals by December 2013, but kept delaying its decision, arguing more research was needed into the health effects of the substances.



COMMISSION, CHEMICALS LOBBY DENY DELAYING TACTICS OVER HORMONE DISRUPTORS

The European Commission and the chemicals industry have rejected claims, revealed by leaked emails in a new NGO report, that they actively sought to slow down work on the definition of criteria for regulating hormone disrupting chemicals.

[EurActiv.com](#)

Sweden got tired with waiting and brought the case to the European Court of Justice, which condemned the Commission's inaction in a ruling adopted last December.

The issue will now be discussed by EU environment ministers who are meeting in Brussels today (4 March).



SWEDEN WINS CASE AGAINST COMMISSION ON ENDOCRINE DISRUPTORS

The General Court of the European Union on Wednesday (16 December) backed Sweden, saying that the European Commission breached EU law by failing to publish a definition for hormone-affecting chemicals or 'endocrine disruptors'.

[EurActiv.com](#)

Hormone disrupting chemicals can be found in many everyday products such as detergents, cosmetics, textiles and paints. They are often used in plastics, including rubber boots, shower curtains and certain kinds of food containers.

Scientists have linked these substances to rising cancer rates and falling fertility, and many have called for stricter regulation of their use as a precaution.

Along with Sweden and Denmark, France took a leading role in the debate and proposed helping the Commission by suggesting to classify the chemicals in three categories based on the level of certainty of the scientific community over their impact to the hormone system – “verified”, “presumed” and “suspected”.



FRANCE URGES 'QUICK ACTION' ON ENDOCRINE DISRUPTORS

Paris has placed the EU's endocrine disruptor strategy on the agenda of a meeting of environment ministers on Thursday (12 June), saying the effects of some chemicals on the human body are now sufficiently documented and call for urgent action at the European level.

EurActiv.com

The EU's 28 environment ministers seem share that view. At the Brussels meeting today, they are expected to issue a statement “underscoring the importance of urgent action by the Commission to comply with the General Court's judgement and its legal obligations, in order to prevent any further delay in developing the criteria for endocrine disruptors”, according to a [background note](#) circulated ahead of the meeting.

Ban on glyphosate

Back in Paris, Ségolène Royal and Vytenis Andriukaitis also discussed other sensitive public health issues that have not been adequately tackled by the executive, including glyphosate.

“We raised a lot of subjects at this meeting,” the French minister said, adding that she expected Brussels to adopt a “more offensive” stance on certain issues.

Glyphosate, a powerful weedkiller suspected of being carcinogenic, is already partially banned in France, and its authorisation at the European level is also set to be scrutinised when it runs out in June this year.

Monsanto's Roundup

The main component of Monsanto's weedkiller Roundup, glyphosate is classed as “probably carcinogenic” by the International Cancer Research Center (ICRC).

According to NGOs Générations Futures and Foodwatch, the European executive had planned to renew the chemical's authorisation.

“The Commissioner assured me that the ban enacted in France would be spread to cover the whole of the EU,” Royal said.

Andriukaitis confirmed that member states would discuss the regulation of the herbicide in the days

to come, and should agree on “a ban on herbicides based on glyphosate mixed with tallowamine-based co-formulants”.

“I commit to working with the member states to draw up a list of co-formulants” that could pose a health risk, the Commissioner said.

BACKGROUND

The Commission has delayed the publication of a number of reports linked to health and food security, leading to both internal and public criticism of the executive's commitment to these issues.

Questions over the inclusion of alcoholic drinks in food labelling laws, origin labelling for meat products, the definition of endocrine disruptors and the potential benefits of legislation on trans fats have all been left to gather dust as the Commission has reduced its workload.

TIMELINE

- **4 March 2016:** Environment Council meeting in Brussels
- **By summer:** Commission to table definition for hormone disrupting chemicals

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Subject: Expert debate on glyphosate in European Parliament

From: JPMyers@ehsic.org

Date: 3/6/2016 5:57 AM

BCC:

this is password protected via computer but not iPhone

<http://www.farming.co.uk> the glyphosate story is the top one at the moment. No direct link.

Expert debate on glyphosate in European Parliament

Friday 04 March 2016

On Wednesday, MEPs heard expert testimony from scientists on the possible health effects of glyphosate use on humans and animals.

In an event organised by Pavel Poc, Vice-Chair of the European Parliament's Environment Committee, speakers discussed the controversy which has surrounded the world's most widely used herbicide. The debate on glyphosate is especially charged as the European Commission is set to make an announcement on re-approval of the herbicide for use in the EU before June this year.

In March 2015, the World Health Organisation's International Agency for Research against Cancer (IARC) classified glyphosate as 'probably carcinogenic' to humans. A few months after IARC published its hazard characterisation on glyphosate, the EU Commission's science watchdog EFSA published the findings of its own review, which concluded that the herbicide is "unlikely" to cause cancer in humans. Assessors also said the legally permissible exposure levels to glyphosate could stand to be raised.

However, the two agencies have since argued over their differing conclusions, and green and pro-transparency groups have been critical of EFSA's study, which looked at glyphosate in isolation whereas the IARC review studied glyphosate-containing herbicides. EFSA also had access to certain industry studies which [IARC did not](#), as these were deemed to contain 'trade secrets'. Pro-transparency group Corporate Europe Observatory has questioned this classification, as glyphosate is off-patent and most manufacturers belong to the Glyphosate Task Force, which supplied the studies to EFSA.

On Wednesday, MEPs heard presentations from speakers including Commission representatives, anti-pesticide campaigners, crop protection industry spokespeople and scientists from both IARC and EFSA. Member State Ministers were also invited to attend the event, as they are set to vote on the Commission's proposal next week.

Andre Leu, president of international organic agriculture platform IFOAM, Prof Monica Kruger of the University of Leipzig and Robin Mesnage of King's College London discussed health effects associated with glyphosate use in humans and animals, which include evidence of certain cancers, hormonal interference and damage to kidneys and liver in animals. Mesnage was a

researcher who worked with Giles Seralini on his controversial research into GM crops, glyphosate and cancer in rats. He said there is a gap in the EU's regulatory assessments to the extent that "The product which is used by and sold to consumers and farmers is not the product that has been assessed by EFSA in the regulatory assessment."

Mensaje added that adjuvants, which the French government is [cracking down](#) on following an assessment by state research agency ANSES, are not studied by EFSA in its tests and claimed this "Pesticide toxicity assessment is not coherent with the recommendations of the EU's scientific committees." He pointed to EU guidance which states that a "Whole mixture approach is recommended for any unidentified materials in the mixture and for any interactions among the mixture components."

Farmers, pesticide manufacturers concerned by EU risk assessments

However, Euros Jones, director of regulatory affairs at the European Crop Protection Association, which represents 21 pesticide manufacturers in Europe, disagreed with the other scientists' suggestions of a link between glyphosate and a range of potential illnesses. He said ECPA wants "Policies and legislation that foster innovation," adding, "We need to give farmers the tools to help them to feed the world." He said his organisation works to promote good farming practice and tries to promote a constructive dialogue on regulatory issues.

Although he said he wasn't in Brussels to question the science behind the other speakers' presentations, he did say he is confident that the EU has a "very robust" risk assessment system. He stressed the importance of glyphosate to farmers and said Europe's is the most conservative and limiting evaluation system in the world. Farmers' representatives from European lobby group Copa Cogeca and the British farm unions both expressed concern that changes to the way risk assessments are conducted could result in the loss of more active ingredients on which many farmers rely.

IARC and EFSA defend their positions

Dr Kate Guyton, from IARC discussed the Agency's findings, pointing out that IARC uses data in the public domain and stringently vets scientists on its panels for vested interests to ensure the transparency and fairness of its assessments, which she said means "Once an IARC classification is made, it is often considered to be the most credible evaluation on which any risk assessment or action to support public health action can be based."

Looking at Non-Hodgkin Lymphoma, one of the illnesses linked to glyphosate exposure, she said one of the key studies on the subject - a meta-analysis by IARC scientists - did find evidence of a link, that could not be explained by other factors. However she qualified the findings, saying, "Not every study [in the analysis] was positive, this is not a case like smoking or asbestos, this is a case of limited evidence."

Discussing the unpublished toxicology studies conducted on mice that have led to contention, Dr Guyton said IARC reviewers only looked at studies that were in the the public domain, with sufficient information available for their review. She said in the case of these studies, full data would be needed to judge them properly, adding, "We've requested full public access to these data."

In turn, Jose Vicente Tarazona, head of the pesticides unit at EFSA, defended the EU Watchdog's process of review, claiming, "At least a hundred people are involved in the assessment of every pesticide. On top of that we hold public consultations."

The EFSA spokesperson said, "I think it's important to put glyphosate in context, as well as the use of industry-sponsored studies." He gave examples of recent EFSA conclusions, which showed that, even in cases where they relied exclusively on industry studies, EFSA assessments had reached different conclusion. Pointing to neonicotinoids, which were heavily restricted by the European Commission in light of their potential environmental effects, he said these conclusions were the result of the same process as the glyphosate review.

Commission and EFSA spokespeople were keen to point out that, though active substances alone are assessed at EU level by EFSA, member state governments are responsible for looking at each new product containing these actives as they enter the market. However, campaigners challenged this state of affairs, suggesting the process would cost member states millions, and that these assessments are often not carried out.

Change in EU risk assessments on the horizon?

Groups in the Parliament have stated that they wish to reject plans for glyphosate, highlighting the precautionary principle as it is understood in EU law (that where there is a risk of harm to humans, but no clear scientific conclusion, the Commission may take provisional risk management measures, as was the case with three neonicotinoids in 2013). Representatives from environment organisations who questioned speakers also pointed out that the Commission's pesticide regulation procedures had been found lacking in a ruling by the [European Ombudsman](#) late in February.

One green parliamentarian even suggested that the Commission had become a "A mere rubber stamper for EFSA."

Recognising the criticism the executive has faced, Commission spokesperson Nathalie Chaze, who was representing the office of health and food safety, said changes for the risk assessment regime could be on the horizon. She said the EU executive plans to work with member states to look at co-formulants in pesticides. Chaze elaborated, "We are aware... that looking at the [active] substance alone is only part of the picture, this was really made very obvious in the case of glyphosate. We know that people do not buy an active substance, they buy a formulation. This is what is used. In the case of glyphosate, at the beginning we had some concern. We had asked EFSA to look at tallowamine.

"The conclusion from EFSA was really clear for this co-formulant. This is why we are going to propose a ban on this co-formulant when it's associated with glyphosate."

She added, "In the context of the regulatory system we are opening a new area of work. This is not something we have done a lot before, looking at the co-formulant, looking at the end product, looking at something that IARC has done probably more [of], looking at the formulation and end product.

“That is why we are inviting member states to launch an identification of the co-formulants they use at home. We would like to launch together with them on defining the list of unacceptable co-formulants. It’s a new area of work, it will probably be resource-intensive, it’s something we need to put in place. It’s the result of lot of concerns we have heard, including from MEPs and civil society.”

Drawing together the arguments, MEP Dr Poc, who hosted the event, said, “Yes, we have the best pesticide regulation system in the world... but there is still room for advancement.”

Dr Poc said he would push for publication of three “key” studies that were available to EFSA but not to IARC. He said he would also support a change to make the European regulatory process more transparent, and said of the current situation in Europe, “Those who are benefitting from the outcomes of the current regulatory process deliver the studies at the beginning of the process. It looks strange. Even if it is legal, it looks strange... We call it... conflict of interest. When I’m financed by industry, it’s conflict of interest.”

A stream of the four hour presentation can be viewed [here](#), and speakers’ presentations are also expected to be made available on Dr Poc’s website.

Subject: German exposures widespread

From: JPMyers@ehsic.org

Date: 3/6/2016 11:42 PM

To: "JPMyers@ehsic.org" <JPMyers@ehsic.org>, Laura Vandenberg <lvandenberg@schoolph.umass.edu>, Amy Kostant <amy@sciencecom.org>, "Lanphear, Bruce" <blanphear@sfu.ca>, Bruce Blumberg <blumberg@uci.edu>, Chuck Benbrook <[REDACTED]>, Emily Copeland <emily@sciencecom.org>, Gabriela Silvani <gabriela@sciencecom.org>, Lorne Everett <LEverett@everettassociates.net>, Patrick Holden <patrick@sustainablefoodtrust.org>, Philip Landrigan <phil.landrigan@mssm.edu>, robin mesnage <[REDACTED]>, Lynn Carroll <[REDACTED]>, "Prof. Fred vom Saal" <vomsaalf@missouri.edu>, "Welshons, Wade" <WelshonsW@missouri.edu>

Mar 07 [Overwhelming majority of Germans contaminated by glyphosate](#). A new study has shown that the majority of Germans have been contaminated by glyphosate. Residues were recorded in 99.6% of the 2,009 people monitored by the study. A third of the population even showed levels that were between ten and 42 times higher than what is normally permissible. [EurActiv](#), Belgium

Subject: EU Glyphosate Rebellion Gathers Strength as Health Commissioner Shocks Pesticide Industry

From: Michael Hansen <mhansen@consumer.org>

Date: 3/7/2016 5:06 PM

To: undisclosed-recipients;;

Looks like things may be heating up on the glyphosate front in the EU with perhaps Austria, Belgium, Brussels, Denmark and Italy joining France, Netherlands and Sweden to vote against glyphosate re-approval. Things are sure looking interesting.

Breaking: EU Glyphosate Rebellion Gathers Strength as Health Commissioner Shocks Pesticide Industry

<http://sustainablepulse.com/2016/03/08/eu-glyphosate-rebellion-gathers-strength-as-health-commissioner-shocks-pesticide-industry/#.Vt4Wqf97IU>

Michael Hansen, Ph.D.
Senior Scientist
Consumers Union
101 Truman Ave.
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o: 914-378-2452
c: [REDACTED]

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Subject: Re: German exposures widespread
From: Bruce Blumberg <blumberg@uci.edu>
Date: 3/7/2016 12:16 AM
To: JPMyers@ehsic.org

This should get some attention in Europe!

On 3/6/2016 11:42 PM, JPMyers@ehsic.org wrote:

Mar 07 [Overwhelming majority of Germans contaminated by glyphosate](#). A new study has shown that the majority of Germans have been contaminated by glyphosate. Residues were recorded in 99.6% of the 2,009 people monitored by the study. A third of the population even showed levels that were between ten and 42 times higher than what is normally permissible. [EurActiv](#), Belgium

--

Bruce Blumberg, PhD.
Professor of Developmental and Cell Biology
Professor of Pharmaceutical Sciences
2011 Biological Sciences 3
University of California
Irvine, CA 92697-2300

office: 949-824-8573
lab: 949-824-6873
fax: 949-824-4709
e-mail: blumberg@uci.edu
web: <http://blumberg-lab.bio.uci.edu/>
<http://blumberg.bio.uci.edu/>

Subject: European decision on glyphosate delayed

From: JPMyers@ehsic.org

Date: 3/8/2016 12:21 AM

To: "JPMyers@ehsic.org" <JPMyers@ehsic.org>, Laura Vandenberg <lvandenberg@schoolph.umass.edu>, Amy Kostant <amy@sciencecom.org>, "Lanphear, Bruce" <blanphear@sfu.ca>, Bruce Blumberg <blumberg@uci.edu>, Chuck Benbrook <[REDACTED]>, Emily Copeland <emily@sciencecom.org>, Gabriela Silvani <gabriela@sciencecom.org>, Lorne Everett <LEverett@everettassociates.net>, Patrick Holden <patrick@sustainablefoodtrust.org>, Philip Landrigan <phil.landrigan@mssm.edu>, robin mesnage <[REDACTED]>, Lynn Carroll <[REDACTED]>, "Prof. Fred vom Saal" <vomsaalf@missouri.edu>, "Welshons, Wade" <WelshonsW@missouri.edu>

Mar 08 [EU to defer decision on safety of weed-killer ingredient](#). The European Union will defer a decision on whether to extend approval for weed-killer ingredient glyphosate, used in herbicides including Monsanto's Roundup, following a dispute between EU and U.N. agencies over whether it causes cancer, EU sources said on Monday. [Reuters](#)

This is an enormous step in the right direction.

Obviously many people and organizations have contributed to this: the IARC finding, Robin's presentation last week; Monica Krüger's survey of gly levels in Germans; the discovery of gly in German beer; the activities of many NGOs, including GMOWatch and Sustainable Pulse and many others; Seralini's groups' many scientific contributions, Chuck's paper, our paper. There are other stories that can't be put in writing.

From across the pond it appears especially remarkable that Germany is abstaining and Italy is joining France and Nordic countries in voting no.

Subject: Re: European decision on glyphosate delayed

From: Charles Benbrook <[REDACTED]>

Date: 3/8/2016 3:34 PM

To: Pete Myers <JPMyers@ehsic.org>

CC: Laura Vandenberg <lvandenberg@schoolph.umass.edu>, Amy Kostant <amy@sciencecom.org>, "Lanphear, Bruce" <blanphear@sfu.ca>, Bruce Blumberg <blumberg@uci.edu>, Emily Copeland <emily@sciencecom.org>, Gabriela Silvani <gabriela@sciencecom.org>, Lorne Everett <LEverett@everettassociates.net>, Patrick Holden <patrick@sustainablefoodtrust.org>, Philip Landrigan <phil.landrigan@mssm.edu>, robin mesnage <[REDACTED]>, Lynn Carroll <[REDACTED]> "Prof. Fred vom Saal" <vomsaalf@missouri.edu>, "Welshons, Wade" <WelshonsW@missouri.edu>

Pete et all --

I am borderline flabbergasted at how dramatically and fast attitudes have changed re glyphosate, and yes our good work has been part of what has broken through GLY's mythological veneer of safety. Chris Portier et all letter re the IARC-EFSA cancer controversy is also very powerful.

I do want to share one thing. In many countries, especially abroad, rapid action to ban GLY will lead to increased use of paraquat. While I am glad to see pressure building for more judicious use of GLY, I personally do not support a total ban, not even close. The chemical alternatives are almost certainly orders of magnitude worse, both in terms of environmental and human health risks.

What I stress with those who are determined to mount a campaign to ban all GLY uses is that there must be a parallel effort to promote/support adoption of the universally recommended approach to sustainable weed management -- "many little hammers." GLY has become the proverbial 800-pound sledge hammer of weed control. We do not want to hasten the shift to other herbicides, but rather to farming systems that are less dependent on all herbicides.

In terms of questions re immediate, low-cost, positive actions re GLY, easy answer: 1. Stop all pre-harvest burndown uses. 2. Revoke all the vastly elevated tolerances put on the books to allow such uses. 3. Ban all the bad surfactants/inerts (Robin has the list).

The next round of steps get much tougher to pull off, but the only one that will really make a difference is a global agreement, enforced via binding labeling restrictions, that no piece of land can be treated with a GBH more than once every three years. This is what industry should have done in 2001, and what Syngenta tried to get in place circa 2003-2004, when it became clear that the "worse case" scenarios predicted in 1996 by respected weed scientists re spread of resistant weeds actually under-estimated the seriousness of the problem and how fast it would come on.

How are others handling questions re what happens next if GLY is banned?

Chuck

Charles Benbrook

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90063 Troy Road
Enterprise, Oregon 97828
Main: 541-828-7918 (always forwarded to cell)

<In the interests of privacy, PLEASE DO NOT use my old WSU email anymore>

On Tue, Mar 8, 2016 at 12:21 AM, <JPMyers@ehs.ic.org> wrote:

Mar 08 [EU to defer decision on safety of weed-killer ingredient](#). The European Union will defer a decision on whether to extend approval for weed-killer ingredient glyphosate, used in herbicides including Monsanto's Roundup, following a dispute between EU and U.N. agencies over whether it causes cancer, EU sources said on Monday. [Reuters](#)

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Subject: IARC Q&A on glyphosate

From: Michael Hansen <mhansen@consumer.org>

Date: 3/12/2016 6:13 AM

To: undisclosed-recipients;

https://www.iarc.fr/en/media-centre/iarcnews/pdf/Q&A_Glyphosate.pdf

All,

Excellent Q&A on glyphosate put out earlier this month by IARC.

Michael

Michael Hansen, Ph.D.

Senior Scientist

Consumers Union

101 Truman Ave.

Yonkers, NY 10703

o: 914-378-2452

c: [REDACTED]

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Subject: glyphosate in wine

From: JPMyers@ehsic.org

Date: 5/13/2016 9:37 AM

To: Laura Vandenberg <lvandenberg@schoolph.umass.edu>, Amy Kostant <amy@sciencecom.org>, "Lanphear, Bruce" <blanphear@sfu.ca>, Bruce Blumberg <blumberg@uci.edu>, Chuck Benbrook <[REDACTED]>, Emily Copeland <emily@sciencecom.org>, Gabriela Silvani <gabriela@sciencecom.org>, Lorne Everett <LEverett@everettassociates.net>, Patrick Holden <patrick@sustainablefoodtrust.org>, Philip Landrigan <phil.landrigan@mssm.edu>, robin mesnage <[REDACTED]>, Lynn Carroll <[REDACTED]>, "Prof. Fred vom Saal" <vomsaalf@missouri.edu>, "Welshons, Wade" <WelshonsW@missouri.edu>

Great interview with Michael Antoniou and nice shot of front page of the glyphosate consensus

May 13 [I-Team investigates controversy over weed killer and California wine](#). A lab test of ten California wines concluded they all contained trace amounts of the active ingredient from some weed-killers, glyphosate. [San Francisco KGO TV](#), California

<http://abc7ne.ws/1YowUHf>

watch the video. Michael Antoniou is in it.

Subject: Re: glyphosate in wine
From: Bruce Blumberg <blumberg@uci.edu>
Date: 5/13/2016 9:58 AM
To: JPMyers@ehsic.org

Just FYI, Zen Honeycutt from Moms Across America is a rabid devotee of Samsel and Seneff - a charter member of the "tin foil hat" crowd We tried to reason with her and strongly suggested that she and MAA stick with the actual science instead of blaming glyphosate for all the ills that afflict mankind. She resisted so Non Toxic Irvine (the group I work with who has successfully gotten Irvine to go organic) has severed all ties with MAA.

Bruce

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fax: 949-824-4709
e-mail: blumberg@uci.edu
web: <http://blumberg-lab.bio.uci.edu/>

<http://blumberg.bio.uci.edu/>

Subject: Re: glyphosate in wine

From: Charles Benbrook <[REDACTED]>

Date: 5/13/2016 10:01 AM

To: Pete Myers <JPMyers@ehsic.org>

CC: Laura Vandenberg <lvandenberg@schoolph.umass.edu>, Amy Kostant <amy@sciencecom.org>, "Lanphear, Bruce" <blanphear@sfu.ca>, Bruce Blumberg <blumberg@uci.edu>, Emily Copeland <emily@sciencecom.org>, Gabriela Silvani <gabriela@sciencecom.org>, Lorne Everett <LEverett@everettassociates.net>, Patrick Holden <patrick@sustainablefoodtrust.org>, Philip Landrigan <phil.landrigan@mssm.edu>, robin mesnage <[REDACTED]>, Lynn Carroll <[REDACTED]> "Prof. Fred vom Saal" <vomsaalf@missouri.edu>, "Welshons, Wade" <WelshonsW@missouri.edu>

Pete et all --

Between this ABC-SF report, and the finding of GLY in all the urine samples tested of European MPs will start to support the realization that GLY is now in all or most living things, and is part of the natural environment in all but the remotest of places. What this means in the long-run remains a mystery, but even if contemporary tox assessments are roughly accurate, the extent and frequency of exposure will result in many many million contributions to a raft of diseases and health problems. And what a fight this will be, lasting years, ridding the world of GLY. And then, what will replace it? if it is just more, different herbicides, the net result will be disappointing, I suspect.

Chuck

Charles Benbrook
Benbrook Consulting Services
90063 Troy Road
Enterprise, Oregon 97828
Main: 541-828-7918 (always forwarded to cell)
[REDACTED]

On Fri, May 13, 2016 at 9:37 AM, <JPMyers@ehsic.org> wrote:

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<http://abc7ne.ws/1YowUhf>

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Subject: Re: glyphosate in wine
From: JPMyers@ehsic.org
Date: 5/13/2016 10:10 AM
To: Bruce Blumberg <blumberg@uci.edu>

Yes, I know. Thanks for the reminder!

From: Bruce Blumberg <blumberg@uci.edu>
To: JPMyers@ehsic.org
Date: 05/13/2016 12:58 PM
Subject: Re: glyphosate in wine

Just FYI, Zen Honeycutt from Moms Across America is a rabid devotee of Samsel and Seneff - a charter member of the "tin foil hat" crowd We tried to reason with her and strongly suggested that she and MAA stick with the actual science instead of blaming glyphosate for all the ills that afflict mankind. She resisted so Non Toxic Irvine (the group I work with who has successfully gotten Irvine to go organic) has severed all ties with MAA.

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<http://abc7ne.ws/1YowUHf>

watch the video. Michael Antoniou is in it.

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e-mail: blumberg@uci.edu

web: <http://blumberg-lab.bio.uci.edu/>

<http://blumberg.bio.uci.edu/>

Subject: Re: glyphosate in wine

From: robin mesnage <[REDACTED]>

Date: 5/14/2016 4:19 PM

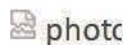
To: Charles Benbrook <[REDACTED]>

CC: Pete Myers <JPMyers@ehsic.org>, Laura Vandenberg <lvandenberg@schoolph.umass.edu>, Amy Kostant <amy@sciencecom.org>, "Lanphear, Bruce" <blanphear@sfu.ca>, Bruce Blumberg <blumberg@uci.edu>, Emily Copeland <emily@sciencecom.org>, Gabriela Silvani <gabriela@sciencecom.org>, Lorne Everett <LEverett@everettassociates.net>, Patrick Holden <patrick@sustainablefoodtrust.org>, Philip Landrigan <phil.landrigan@mssm.edu>, Lynn Carroll <[REDACTED]> "Prof. Fred vom Saal" <vomsaalf@missouri.edu>, "Welshons, Wade" <WelshonsW@missouri.edu>

I agree. Another big problem is that glyphosate is probably present in control populations considered as non-exposed in epidemiological studies, flawing results and interpretations. All epidemiological studies of glyphosate effects have been performed based on subject declarations but not on actual urinary measurements.

The best,

Robin.



Dr. Robin Mesnage

Research Associate, Cellular and Molecular Toxicology,
King's College London

Department of Medical and Molecular Genetics |
Guy's Hospital, London SE1 9RT, UK.



Get a signature like this: [Click here!](#)

On 13 May 2016 at 18:01, Charles Benbrook <[REDACTED]> wrote:

Pete et all --

Between this ABC-SF report, and the finding of GLY in all the urine samples tested of European MPs will start to support the realization that GLY is now in all or most living things, and is part of the natural environment in all but the remotest of places. What this means in the long-run remains a mystery, but even if contemporary tox assessments are roughly accurate, the extent and frequency of exposure will result in many many million contributions to a raft of diseases and health problems. And what a fight this will be, lasting years, ridding the world of GLY. And then, what will replace it? if it is just more, different herbicides, the net result will be disappointing, I suspect.

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<http://abc7ne.ws/1YowUHf>

watch the video. Michael Antoniou is in it.

Subject: EPA Bows to Chemical Industry in Delay of Glyphosate Cancer Review

From: Michael Hansen <mhansen@consumer.org>

Date: 10/19/2016 3:32 PM

To: undisclosed-recipients;

<http://www.huffingtonpost.com/carey-gillam/epa-bows-to-chemical-industry-in-delay-of-glyphosate-cancer-review/b-12563438.html>

EPA Bows to Chemical Industry in Delay of Glyphosate Cancer Review

10/19/2016 04:13 pm ET



Carey Gillam

Veteran journalist; Research Director for U.S. Right to Know, a non-profit consumer education group

[2016-10-19-1476907006-5487821-EnvironmentalProtectionAgency1280x960.jpg](#)

This might have been a tough week for Monsanto Co. The Environmental Protection Agency was slated to hold four days of public meetings focused on essentially one question: Is glyphosate, the world's most widely used herbicide and the lynchpin to Monsanto's fortunes, as safe as Monsanto has spent 40 years telling us it is?

But oddly, the EPA Scientific Advisory Panel (SAP) meetings, called to look at potential glyphosate ties to cancer, were "postponed" just four days before they were to begin Oct. 18, after intense lobbying by the agrichemical industry. The industry first fought to keep the meetings from being held at all, and argued that if they were held, several leading international experts should be excluded from participating, including "any person who has publicly expressed an opinion regarding the carcinogenicity of glyphosate."

As the meetings drew near, CropLife America, which represents the interests of Monsanto and other agribusinesses, specifically took issue with at least two scientists chosen for the panel, alleging the experts might be unfavorably biased against industry interests. On Oct. 12, the group sent a letter to the EPA calling for Dr. Kenneth Portier of the American Cancer Society to be more deeply scrutinized for any "pre-formed conclusions" about glyphosate.

More notably, CropLife called for leading epidemiologist Dr. Peter Infante to be completely disqualified from panel participation: "EPA should replace Dr. Infante with an epidemiologist without such patent bias," CropLife told EPA. The chemical industry group said Infante was unlikely to give industry-sponsored research studies the credibility the industry believes they deserve. CropLife said Infante has testified in the past for plaintiffs in chemical exposure cases against Monsanto. CropLife also argued that because Infante was the "only epidemiologist on the glyphosate SAP" he would have enhanced influence in the evaluation of epidemiological data about glyphosate and cancer.

Michael Hansen, Ph.D.
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The CropLife letter was dated last Wednesday, and by Friday the EPA announced it was looking for additional epidemiology expertise to ensure “robust representation from that discipline.” EPA also said one panelist had voluntarily departed, though the agency refused to say who that panelist was.

Challenging Infante’s role is a gutsy move. After all, Infante spent 24 years working for the Occupational Safety and Health Administration helping determine cancer risks to workers during the development of standards toxic substances, including asbestos, arsenic, and formaldehyde. His resume includes a stint at the National Institute for Occupational Safety and Health where he conducted epidemiological studies related to carcinogens, and he has served as an expert consultant in epidemiology for several world bodies, including the EPA and the World Trade Organization.

According to sources close to the situation, Infante remains a panelist as of this week, but there is no certainty when the meetings might be rescheduled, and what the panel membership might look like when they are rescheduled. The EPA has refused to discuss who remains on the panel and who does not at this point, and some onlookers said the EPA was clearly bowing to agrichemical industry interests.

“This is outrageous. The industry wants to say that our own government scientists, the top ones in their fields, aren’t good enough for these panels,” said Michael Hansen, senior staff scientist at the Consumers Union. “If the EPA wants to add extra epidemiologists that is great but why didn’t they do it before? They are doing this because of pressure from industry.”

The industry clearly has much at stake, as does the public. Glyphosate is the key ingredient in Monsanto’s branded Roundup herbicides as well as herbicides marketed by numerous agrichemical companies around the world. It is also the key to what has been 20 years of sales of genetically engineered glyphosate-tolerant crops developed by Monsanto. The future sales of both the chemical and the crops are being jeopardized by the mounting concerns that glyphosate can cause cancer and other illnesses or disease. Scientists around the world have been raising red flags for years over worrisome research findings, and last year the International Agency for Research on Cancer (IARC), said glyphosate was [a probable human carcinogen](#). More than [three dozen lawsuits](#) have been filed against Monsanto by people claiming Roundup gave them non-Hodgkin lymphoma, and both European and U.S. regulators are evaluating the chemical for continued use.

Since the IARC classification, Monsanto has asked the EPA to back industry assurances that glyphosate is safe, and so far, the EPA has done exactly that, issuing a series of reports and memos that dovetail with Monsanto’s position. Monsanto also has sought to bolster arguments for glyphosate’s safety by pointing to supportive [research papers](#) published in late September in Critical Reviews in Toxicology. Monsanto hired the group that arranged for the panel, and most of the 16 scientists involved are former Monsanto employees or Monsanto consultants. At least one, Gary Williams, has also consulted for Monsanto on litigation matters involving glyphosate. Despite all those affiliations, the research

is touted as “independent.”

It seems more than a little hypocritical that those scientists are presented as credible by the industry, but scientists like Infante and Portier are said to be unfit to advise EPA because of suspected bias. Like Infante, Portier has a long track record as an independent scientist. He is vice president of the Statistics & Evaluation Center at the American Cancer Society. He has participated in over 60 other SAP meetings and has served on expert and advisory panels for the National Institutes of Health, National Institute of Environmental Health Sciences, the National Toxicology Program, and the World Health Organization Food and Agriculture Organization.

Portier also would not comment about the industry concerns about him, the postponement or changes to the makeup of the SAP, other than to say that as of today, he remains on the panel.

EPA said it is “working to reschedule as soon as possible.” But the delay and the maneuvering by industry to influence panel participation does little bolster consumer confidence in an objective outcome.

Follow Carey Gillam on Twitter: www.twitter.com/careygillam

Subject: newest attack on public health scientists

From: Pete Myers <jpmyers@ehsic.org>

Date: 10/25/2016 12:14 PM

To: "Karp, Harvey" <dr.karp@thehappiestbaby.com>, "Prins, Gail" <gprins@uic.edu>, "Lanphear, Bruce" <blanphear@sfu.ca>, "Cranmer, Joan" <cranmerJoanM@uams.edu>, "Cory-Slechta, Deborah" <deborah_cory-slechta@urmc.rochester.edu>, Peter Orris <porris@uic.edu>, "Prof. Fred vom Saal" <vomsaalf@missouri.edu>, Terry Collins <tc1u@andrew.cmu.edu>, Howard Snyder <snyderh@email.chop.edu>, Peter DeFur [REDACTED] "Ho, Shuk-mei" <shuk-mei.ho@uc.edu>, "Zoeller, Tom" <tzoeller@bio.umass.edu>, Ted Schettler <tschettler@igc.org>, "Ozonoff, David" <dozonoff@bu.edu>, "Hayes, Tyrone" <tyrone@berkeley.edu>, "Woodruff, Tracey" <WoodruffT@obgyn.ucsf.edu>, "Dr. Steve Heilig" <heilig@sfms.org>, "Stahlhut, Richard" <richard_stahlhut@urmc.rochester.edu>, Sheldon Krinsky <sheldon.krinsky@tufts.edu>, Philip Landrigan <phil.landrigan@mssm.edu>, "Hunt, Pat" <pathunt@wsu.edu>, Shanna Swan <shanna.swan@mssm.edu>, "Hauser, Russ" <rhauser@hohp.harvard.edu>, Bruce Blumberg <blumberg@UCI.EDU>, Amy Kostant <amy@sciencecom.org>, Bernard Weiss <Bernard_Weiss@urmc.rochester.edu>, Kalee Kreider [REDACTED], Laura Vandenberg <lvandenberg@schoolph.umass.edu>, Emily Copeland <emily@sciencecom.org>, Carl-Gustaf Bornehag <caguborn@kau.se>, Michael Antoniou <michael.antoniou@kcl.ac.uk>, Steve Gilbert <sgilbert@innd.org>, Leonardo Trasande <leonardo.trasande@nyu.edu>, Amy Itescu <itescua@UCMAIL.UC.EDU>, Joseph Allen <jgallen@hsph.harvard.edu>, Monica Krüger <mkrueger@vetmed.uni-leipzig.de>

For discussion tomorrow:

NIH needs public examination after giving millions to rogue UN agency

By: Bruce Chassy

Published: October 24, 2016

Source: The Hill

<http://thehill.com/blogs/pundits-blog/healthcare/302484-nih-needs-public-examination-after-giving-millions-to-rouge-un>

The National Institutes of Health (NIH) is being **called** on the carpet to explain why it gave tens of millions of dollars to the International Agency for Research on Cancer (IARC), a United Nations agency that has been accused of "**quackery**" and "**cherry picking**" its facts.

The NIH agreed to appear before Rep. **Jason Chaffetz**'s House Oversight Committee — but only on the condition that the hearing is closed-press and off-limits to the public. We don't even know the exact date the hearing will be held.

Meanwhile, the NIH is **stonewalling** FOIA requests for its emails with IARC staff, claiming — absurdly —

that U.S. freedom of information laws somehow don't apply to U.S. government employees communicating with the IARC.

Why all the secrecy? The growing scandal over the IARC's finding that the widely used herbicide glyphosate is "probably carcinogenic" to humans has nothing to do with national security, terrorism or classified information.

Congress simply wants the NIH to explain its support and staff involvement with an agency that has been widely criticized for its shoddy science and plagued by questions of bias. Science claims upon which public health policies are set demand transparency, expert review and demonstrated replicability.

Because of the IARC's flawed assessment and its unprecedented political lobbying, glyphosate's re-approval is now threatened in Europe, and the U.S. Environmental Protection Agency has delayed what should have been an easy re-approval. Losing glyphosate would be a **massive blow** to American farmers, consumers and the agricultural economy.

If we want the American people to continue to trust the integrity of our regulatory system, the NIH needs to answer the questions raised by the IARC's actions.

In March of this year, David Zaruk **published a series** detailing the conflicts of interest of the IARC's "independent expert," Chris Portier.

An ex-staffer at the NIH's sub-agency, the National Institute for Environmental Health Sciences (NIEHS), Portier drove the current IARC monograph process, determining which chemicals would be reviewed and influencing who would be selected to participate on the review panels — all the while taking a pay check from the anti-pesticide Environmental Defense Fund.

Despite the IARC's purported strict conflict of interest rules, which it routinely uses to exclude scientists with any connection to industry, the agency covered up Portier's activist connections for years, identifying him only as "retired" from the NIEHS.

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Subject: RE: newest attack on public health scientists

From: "Antoniou, Michael" <michael.antoniou@kcl.ac.uk>

Date: 10/25/2016 1:05 PM

To: "Woodruff, Tracey" <Tracey.Woodruff@ucsf.edu>, Pete Myers <jpmyers@ehsic.org>, "Karp, Harvey" <dr.karp@thehappiestbaby.com>, "Prins, Gail" <gprins@uic.edu>, "Lanphear, Bruce" <blanphear@sfu.ca>, "Cranmer, Joan" <cranmerJoanM@uams.edu>, "Cory-Slechta, Deborah" <deborah_cory-slechta@urmc.rochester.edu>, Peter Orris <porris@uic.edu>, "Prof. Fred vom Saal" <vomsaalf@missouri.edu>, Terry Collins <tc1u@andrew.cmu.edu>, Howard Snyder <snyderh@email.chop.edu>, Peter DeFur <[REDACTED]> "Ho, Shuk-mei" <shuk-mei.ho@uc.edu>, "Zoeller, Tom" <tzoeller@bio.umass.edu>, Ted Schettler <tschettler@igc.org>, "Ozonoff, David" <dozonoff@bu.edu>, "Hayes, Tyrone" <tyrone@berkeley.edu>, "Dr. Steve Heilig" <heilig@sfms.org>, "Stahlhut, Richard" <richard_stahlhut@urmc.rochester.edu>, Sheldon Krinsky <sheldon.krinsky@tufts.edu>, Philip Landrigan <phil.landrigan@mssm.edu>, "Hunt, Pat" <pathunt@wsu.edu>, Shanna Swan <shanna.swan@mssm.edu>, "Hauser, Russ" <rhauser@hohp.harvard.edu>, Bruce Blumberg <blumberg@uci.edu>, "Amy Ko stant" <amy@sciencecom.org>, Bernard Weiss <Bernard_Weiss@urmc.rochester.edu>, Kalee Kreider <[REDACTED]> Laura Vandenberg <lvandenberg@schoolph.umass.edu>, Emily Copeland <emily@sciencecom.org>, Carl-Gustaf Bornehag <caguborn@kau.se>, Steve Gilbert <sgilbert@innd.org>, Leonardo Trasande <leonardo.trasande@nyu.edu>, Amy Itescu <itescua@UCMAIL.UC.EDU>, Joseph Allen <jgallen@hsph.harvard.edu>, Monica Krüger <mkrueger@vetmed.uni-leipzig.de>

Not surprised Bruce Chassy is taking this position; he's basically a mouthpiece for the industry and has received money from Monsanto, which he never disclosed. Quite scandalous.

Dr Michael Antoniou
Head: Gene Expression and Therapy Group
King's College London
Faculty of Life Sciences and Medicine
Department of Medical and Molecular Genetics
8th Floor, Tower Wing
Guy's Hospital
Great Maze Pond
London
SE1 9RT, UK

Tel: +44 (0)20 7848 8501

Fax: +44 (0)20 7188 2585

Email: michael.antoniou@kcl.ac.uk

Skype: [REDACTED]



From: Woodruff, Tracey [mailto:Tracey.Woodruff@ucsf.edu]

Sent: 25 October 2016 20:54

To: Pete Myers; Karp, Harvey; Prins, Gail; Lanphear, Bruce; Cranmer, Joan; Cory-Slechta, Deborah; Peter Orris; Prof. Fred vom Saal; Terry Collins; Howard Snyder; Peter DeFur; Ho, Shuk-mei; Zoeller, Tom; Ted Schettler; Ozonoff, David; Hayes, Tyrone; Dr. Steve Heilig; Stahlhut, Richard; Sheldon Krimsky; Philip Landrigan; Hunt, Pat; Shanna Swan; Hauser, Russ; Bruce Blumberg; Amy Ko stant; Bernard Weiss; Kalee Kreider; Laura Vandenberg; Emily Copeland; Carl-Gustaf Bornehag; Antoniou, Michael; Steve Gilbert; Leonardo Trasande; Amy Itescu; Joseph Allen; Monica Krüger

Subject: RE: newest attack on public health scientists

Thank you for sending. This is quite serious. Chris Portier has done a series of comments and article on the glyphosate decision that are quite excellent and relevant to the IARC decision.

tw

From: Pete Myers [mailto:jpmymers@ehsic.org]

Sent: Tuesday, October 25, 2016 12:15 PM

To: Karp, Harvey; Prins, Gail; Lanphear, Bruce; Cranmer, Joan; Cory-Slechta, Deborah; Peter Orris; Prof. Fred vom Saal; Terry Collins; Howard Snyder; Peter DeFur; Ho, Shuk-mei; Zoeller, Tom; Ted Schettler; Ozonoff, David; Hayes, Tyrone; Woodruff, Tracey; Dr. Steve Heilig; Stahlhut, Richard; Sheldon Krimsky; Philip Landrigan; Hunt, Pat; Shanna Swan; Hauser, Russ; Bruce Blumberg; Amy Ko stant; Bernard Weiss; Kalee Kreider; Laura Vandenberg; Emily Copeland; Carl-Gustaf Bornehag; Michael Antoniou; Steve Gilbert; Leonardo Trasande; Amy Itescu; Joseph Allen; Monica Krüger

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By: Bruce Chassy

Published: October 24, 2016

Source: The Hill

<http://thehill.com/blogs/pundits-blog/healthcare/302484-nih-needs-public-examination-after-giving-millions-to-rouge-un>

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From: "Antoniou, Michael" <michael.antoniou@kcl.ac.uk>

Date: 10/25/2016 2:01 PM

To: Bruce Blumberg <blumberg@uci.edu>

CC: Pete Myers <jpmyers@ehsic.org>, "R. Thomas Zoeller" <tzoeller@bio.umass.edu>, Harvey Karp <dr.karp@thehappiestbaby.com>, "Prins, Gail" <gprins@uic.edu>, "Lanphear, Bruce" <blanphear@sfu.ca>, Joan M Cranmer <cranmerJoanM@uams.edu>, "Cory-Slechta, Deborah" <deborah_cory-slechta@urmc.rochester.edu>, Peter Orris <porris@uic.edu>, "Prof. Fred vom Saal" <vomsaalf@missouri.edu>, Terry Collins <tc1u@andrew.cmu.edu>, Howard Snyder <snyderh@email.chop.edu>, Peter DeFur <[REDACTED]> "Ho, Shuk-mei" <shuk-mei.ho@uc.edu>, Ted Schettler <tschettler@igc.org>, "Ozonoff, David" <dozonoff@bu.edu>, Tyrone Hayes <tyrone@berkeley.edu>, Tracey Woodruff <WoodruffT@obgyn.ucsf.edu>, "Dr. Steve Heilig" <heilig@sfms.org>, "Stahlhut, Richard" <richard_stahlhut@urmc.rochester.edu>, Sheldon Krinsky <sheldon.krinsky@tufts.edu>, Philip Landrigan <phil.landrigan@mssm.edu>, "Hunt, Pat" <pathunt@wsu.edu>, Shanna Swan <shanna.swan@mssm.edu>, "Russ Hauser" <rhauser@hohp.harvard.edu>, Amy Kostant <amy@sciencecom.org>, "Bernard Weiss" <Bernard_Weiss@urmc.rochester.edu>, Kalee Kreider <[REDACTED]> Laura Vandenberg <lvandenberg@schoolph.umass.edu>, Emily Copeland <emily@sciencecom.org>, Carl-Gustaf Bornehag <caguborn@kau.se>, Steve Gilbert <sgilbert@innd.org>, Leonardo Trasande <leonardo.trasande@nyu.edu>, Amy Itescu <itescua@UCMAIL.UC.EDU>, Joseph Allen <jgallen@hsph.harvard.edu>, Monica Krüger <mkrueger@vetmed.uni-leipzig.de>

My dear friend and co-author Claire Robinson has written much on Bruce Chassy for the GM Watch; search GM Watch and Bruce Chassy and you'll find three telling articles!

Michael

Sent from my iPhone

Dr Michael Antoniou

Head: Gene Expression and Therapy Group

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Faculty of Life Sciences & Medicine

Department of Medical and Molecular Genetics

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Fax: +44 (0)20 7188 2585

Email: michael.antoniou@kcl.ac.uk

Web: <https://www.kcl.ac.uk/lsm>

Skype: [REDACTED]



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From: "Vomsaal, Frederick S." <VomsaalF@missouri.edu>

Date: 10/25/2016 1:14 PM

To: Pete Myers <jpmyers@ehsic.org>, "R. Thomas Zoeller" <tzoeller@bio.umass.edu>

CC: Harvey Karp <dr.karp@thehappiestbaby.com>, "Prins, Gail" <gprins@uic.edu>, "Lanphear, Bruce" <blanphear@sfu.ca>, Joan M Cranmer <cranmerJoanM@uams.edu>, "Cory-Slechta, Deborah" <deborah_cory-slechta@urmc.rochester.edu>, "Peter Orris" <porris@uic.edu>, Terry Collins <tc1u@andrew.cmu.edu>, Howard Snyder <snyderh@email.chop.edu>, Peter DeFur <[REDACTED]>, "Ho, Shuk-mei" <shuk-mei.ho@uc.edu>, Ted Schettler <tschettler@igc.org>, "Ozonoff, David" <dozonoff@bu.edu>, Tyrone Hayes <tyrone@berkeley.edu>, Tracey Woodruff <WoodruffT@obgyn.ucsf.edu>, "Dr. Steve Heilig" <heilig@sfms.org>, "Stahlhut, Richard" <richard_stahlhut@urmc.rochester.edu>, Sheldon Krinsky <sheldon.krinsky@tufts.edu>, Philip Landrigan <phil.landrigan@mssm.edu>, "Hunt, Pat" <pathunt@wsu.edu>, Shanna Swan <shanna.swan@mssm.edu>, "Russ Hauser" <rhauser@hohp.harvard.edu>, Bruce Blumberg <blumberg@uci.edu>, "Amy Kostant" <amy@sciencecom.org>, Bernard Weiss <Bernard_Weiss@urmc.rochester.edu>, Kalee Kreider <[REDACTED]>, Laura Vandenberg <lvandenberg@schoolph.umass.edu>, Emily Copeland <emily@sciencecom.org>, Carl-Gustaf Bornehag <caguborn@kau.se>, "Michael Antoniou" <michael.antoniou@kcl.ac.uk>, Steve Gilbert <sgilbert@innd.org>, Leonardo Trasande <leonardo.trasande@nyu.edu>, Amy Itescu <itescua@UCMAIL.UC.EDU>, Joseph Allen <jgallen@hsph.harvard.edu>, Monica Krüger <mkrueger@vetmed.uni-leipzig.de>

This certainly makes it clear that the pesticide and other chemical corporations see NIH as a real threat – hopefully the election will decrease this threat – we will know in 2 weeks.

Fred

Frederick S. vom Saal
Curators' Distinguished Professor
Division of Biological Sciences
105 Lefevre Hall
University of Missouri-Columbia
Columbia MO 65211
573-882-4367
vomsaal@missouri.edu

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Hayes <tyrone@berkeley.edu>, Tracey Woodruff <WoodruffT@obgyn.ucsf.edu>, "Dr. Steve Heilig" <heilig@sfms.org>, "Stahlhut, Richard" <richard_stahlhut@urmc.rochester.edu>, Sheldon Krimsky <sheldon.krimsky@tufts.edu>, Philip Landrigan <phil.landrigan@mssm.edu>, Pat Hunt <pathunt@wsu.edu>, Shanna Swan <shanna.swan@mssm.edu>, Russ Hauser <rhauser@hohp.harvard.edu>, Bruce Blumberg <blumberg@uci.edu>, Amy Kostant <amy@sciencecom.org>, Bernard Weiss <Bernard_Weiss@urmc.rochester.edu>, Kalee Kreider [REDACTED], Laura Vandenberg <lvandenberg@schoolph.umass.edu>, Emily Copeland <emily@sciencecom.org>, Carl-Gustaf Bornehag <caguborn@kau.se>, Michael Antoniou <michael.antoniou@kcl.ac.uk>, Steve Gilbert <sgilbert@innd.org>, Leonardo Trasande <leonardo.trasande@nyu.edu>, Amy Itescu <itescua@UCMAIL.UC.EDU>, Joseph Allen <jgallen@hsph.harvard.edu>, Monica Krüger <mkrueger@vetmed.uni-leipzig.de>
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From: "Woodruff, Tracey" <Tracey.Woodruff@ucsf.edu>

Date: 10/25/2016 12:54 PM

To: Pete Myers <jpmyers@ehsic.org>, "Karp, Harvey" <dr.karp@thehappiestbaby.com>, "Prins, Gail" <gprins@uic.edu>, "Lanphear, Bruce" <blanphear@sfu.ca>, "Cranmer, Joan" <cranmerJoanM@uams.edu>, "Cory-Slechta, Deborah" <deborah_cory-slechta@urmc.rochester.edu>, "Peter Orris" <porris@uic.edu>, "Prof. Fred vom Saal" <vomsaalf@missouri.edu>, "Terry Collins" <tc1u@andrew.cmu.edu>, Howard Snyder <snyderh@email.chop.edu>, "Peter DeFur" <[REDACTED]> "Ho, Shuk-mei" <shuk-mei.ho@uc.edu>, "Zoeller, Tom" <tzoeller@bio.umass.edu>, Ted Schettler <tschettler@igc.org>, "Ozonoff, David" <dozonoff@bu.edu>, "Hayes, Tyrone" <tyrone@berkeley.edu>, "Dr. Steve Heilig" <heilig@sfms.org>, "Stahlhut, Richard" <richard_stahlhut@urmc.rochester.edu>, Sheldon Krimsky <sheldon.krimsky@tufts.edu>, Philip Landrigan <phil.landrigan@mssm.edu>, "Hunt, Pat" <pathunt@wsu.edu>, Shanna Swan <shanna.swan@mssm.edu>, "Hauser, Russ" <rhauser@hohp.harvard.edu>, Bruce Blumberg <blumberg@uci.edu>, "Amy Ko stant" <amy@sciencecom.org>, Bernard Weiss <Bernard_Weiss@urmc.rochester.edu>, Kalee Kreider <[REDACTED]>, Laura Vandenberg <lvandenberg@schoolph.umass.edu>, Emily Copeland <emily@sciencecom.org>, Carl-Gustaf Bornehag <caguborn@kau.se>, Michael Antoniou <michael.antoniou@kcl.ac.uk>, Steve Gilbert <sgilbert@innd.org>, "Leonardo Trasande" <leonardo.trasande@nyu.edu>, Amy Itescu <itescua@UCMAIL.UC.EDU>, Joseph Allen <jgallen@hsph.harvard.edu>, Monica Krüger <mkrueger@vetmed.uni-leipzig.de>

Thank you for sending. This is quite serious. Chris Portier has done a series of comments and article on the glyphosate decision that are quite excellent and relevant to the IARC decision.

tw

From: Pete Myers [mailto:jpmyers@ehsic.org]

Sent: Tuesday, October 25, 2016 12:15 PM

To: Karp, Harvey; Prins, Gail; Lanphear, Bruce; Cranmer, Joan; Cory-Slechta, Deborah; Peter Orris; Prof. Fred vom Saal; Terry Collins; Howard Snyder; Peter DeFur; Ho, Shuk-mei; Zoeller, Tom; Ted Schettler; Ozonoff, David; Hayes, Tyrone; Woodruff, Tracey; Dr. Steve Heilig; Stahlhut, Richard; Sheldon Krimsky; Philip Landrigan; Hunt, Pat; Shanna Swan; Hauser, Russ; Bruce Blumberg; Amy Ko stant; Bernard Weiss; Kalee Kreider; Laura Vandenberg; Emily Copeland; Carl-Gustaf Bornehag; Michael Antoniou; Steve Gilbert; Leonardo Trasande; Amy Itescu; Joseph Allen; Monica Krüger

Subject: newest attack on public health scientists

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NIH needs public examination after giving millions to rogue UN agency

By: Bruce Chassy

Published: October 24, 2016

Source: The Hill

<http://thehill.com/blogs/pundits-blog/healthcare/302484-nih-needs-public-examination-after-giving-millions-to-rouge-un>

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Subject: Re: newest attack on public health scientists

From: Bruce Blumberg <blumberg@uci.edu>

Date: 10/25/2016 1:18 PM

To: Pete Myers <jpmyers@ehsic.org>, "R. Thomas Zoeller" <tzoeller@bio.umass.edu>

CC: Harvey Karp <dr.karp@thehappiestbaby.com>, "Prins, Gail" <gprins@uic.edu>, "Lanphear, Bruce" <blanphear@sfu.ca>, Joan M Cranmer <cranmerJoanM@uams.edu>, "Cory-Slechta, Deborah" <deborah_cory-slechta@urmc.rochester.edu>, Peter Orris <porris@uic.edu>, "Prof. Fred vom Saal" <vomsaalf@missouri.edu>, Terry Collins <tc1u@andrew.cmu.edu>, Howard Snyder <snyderh@email.chop.edu>, Peter DeFur <[REDACTED]> "Ho, Shuk-mei" <shuk-mei.ho@uc.edu>, Ted Schettler <tschettler@igc.org>, "Ozonoff, David" <dozonoff@bu.edu>, Tyrone Hayes <tyrone@berkeley.edu>, Tracey Woodruff <WoodruffT@obgyn.ucsf.edu>, "Dr. Steve Heilig" <heilig@sfms.org>, "Stahlhut, Richard" <richard_stahlhut@urmc.rochester.edu>, Sheldon Krinsky <sheldon.krinsky@tufts.edu>, Philip Landrigan <phil.landrigan@mssm.edu>, "Hunt, Pat" <pathunt@wsu.edu>, Shanna Swan <shanna.swan@mssm.edu>, Russ Hauser <rhauser@hohp.harvard.edu>, Amy Kostant <amy@sciencecom.org>, Bernard Weiss <Bernard_Weiss@urmc.rochester.edu>, Kalee Kreider <[REDACTED]> Laura Vandenberg <lvandenberg@schoolph.umass.edu>, Emily Copeland <emily@sciencecom.org>, Carl-Gustaf Bornehag <caguborn@kau.se>, Michael Antoniou <michael.antoniou@kcl.ac.uk>, Steve Gilbert <sgilbert@innd.org>, Leonardo Trasande <leonardo.trasande@nyu.edu>, Amy Itescu <itescua@UCMAIL.UC.EDU>, Joseph Allen <jgallen@hsph.harvard.edu>, Monica Krüger <mkrueger@vetmed.uni-leipzig.de>

but definitely some use pointing it out in an op-ed or something like that for people who do not know that he is bought and sold... Perhaps for "The Hill"....

Bruce

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Subject: RE: newest attack on public health scientists

From: "Antoniou, Michael" <michael.antoniou@kcl.ac.uk>

Date: 10/26/2016 2:03 AM

To: Bruce Blumberg <blumberg@uci.edu>, Pete Myers <jpmyers@ehsic.org>, "R. Thomas Zoeller" <tzoeller@bio.umass.edu>

CC: Harvey Karp <dr.karp@thehappiestbaby.com>, "Prins, Gail" <gprins@uic.edu>, "Lanphear, Bruce" <blanphear@sfu.ca>, Joan M Cranmer <cranmerJoanM@uams.edu>, "Cory-Slechta, Deborah" <deborah_cory-slechta@urmc.rochester.edu>, "Peter Orris" <porris@uic.edu>, "Prof. Fred vom Saal" <vomsaalf@missouri.edu>, "Terry Collins" <tc1u@andrew.cmu.edu>, Howard Snyder <snyderh@email.chop.edu>, "Peter DeFur" <[REDACTED]> "Ho, Shuk-mei" <shuk-mei.ho@uc.edu>, "Ted Schettler" <tschettler@igc.org>, "Ozonoff, David" <dozonoff@bu.edu>, "Tyrone Hayes" <tyrone@berkeley.edu>, Tracey Woodruff <WoodruffT@obgyn.ucsf.edu>, "Dr. Steve Heilig" <heilig@sfms.org>, "Stahlhut, Richard" <richard_stahlhut@urmc.rochester.edu>, Sheldon Krinsky <sheldon.krinsky@tufts.edu>, Philip Landrigan <phil.landrigan@mssm.edu>, "Hunt, Pat" <pathunt@wsu.edu>, Shanna Swan <shanna.swan@mssm.edu>, "Russ Hauser" <rhauser@hohp.harvard.edu>, Amy Kostant <amy@sciencecom.org>, "Bernard Weiss" <Bernard_Weiss@urmc.rochester.edu>, Kalee Kreider <[REDACTED]> Laura Vandenberg <lvandenberg@schoolph.umass.edu>, Emily Copeland <emily@sciencecom.org>, Carl-Gustaf Bornehag <caguborn@kau.se>, Steve Gilbert <sgilbert@innd.org>, Leonardo Trasande <leonardo.trasande@nyu.edu>, Amy Itescu <itescua@UCMAIL.UC.EDU>, Joseph Allen <jgallen@hsph.harvard.edu>, Monica Krüger <mkrueger@vetmed.uni-leipzig.de>

Good idea Bruce!

We certainly need to have a collective response from our group somehow

Michael

Dr Michael Antoniou
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Faculty of Life Sciences and Medicine
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From: Bruce Blumberg [mailto:blumberg@uci.edu]

Sent: 25 October 2016 21:18

To: Pete Myers <jpmyers@ehsic.org>; R. Thomas Zoeller <tzoeller@bio.umass.edu>

Cc: Harvey Karp <dr.karp@thehappiestbaby.com>; Prins, Gail <gprins@uic.edu>; Lanphear, Bruce <blanphear@sfu.ca>; Joan M Cranmer <cranmerJoanM@uams.edu>; Cory-Slechta, Deborah <deborah_cory-slechta@urmc.rochester.edu>; Peter Orris <porris@uic.edu>; Prof. Fred vom Saal <vomsaalf@missouri.edu>; Terry Collins <tc1u@andrew.cmu.edu>; Howard Snyder <snyderh@email.chop.edu>; Peter DeFur

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Subject: Re: newest attack on public health scientists

but definitely some use pointing it out in an op-ed or something like that for people who do not know that he is bought and sold... Perhaps for "The Hill"....

Bruce

On 10/25/2016 1:11 PM, Pete Myers wrote:

according to sources, Chassey is bought and sold. No use reaching out there.

On Oct 25, 2016, at 4:10 PM, R. Thomas Zoeller <tzoeller@bio.umass.edu> wrote:

Pete — this is quite disturbing. My first thought is to email the author and articulate a few thoughts. Bad idea?

Tom

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<http://www.bio.umass.edu/biology/about/directories/faculty/r-thomas-zoeller>

On Oct 25, 2016, at 9:14 PM, Pete Myers <JPMyers@ehsic.org> wrote:

For discussion tomorrow:

NIH needs public examination after giving millions to rogue UN agency

By: Bruce Chassy

Published: October 24, 2016

Source: The Hill

<http://thehill.com/blogs/pundits-blog/healthcare/302484-nih-needs-public-examination-after-giving-millions-to-rouge-un>

The National Institutes of Health (NIH) is being **called** on the carpet to explain why it gave tens of millions of dollars to the International Agency for Research on Cancer (IARC), a United Nations agency that has been accused of “**quackery**” and “**cherry picking**” its facts.

The NIH agreed to appear before Rep. **Jason Chaffetz**’s House Oversight Committee — but only on the condition that the hearing is closed-press and off-limits to the public. We don’t even know the exact date the hearing will be held.

Meanwhile, the NIH is **stonewalling** FOIA requests for its emails with IARC staff, claiming — absurdly — that U.S. freedom of information laws somehow don’t apply to U.S. government employees communicating with the IARC.

Why all the secrecy? The growing scandal over the IARC’s finding that the widely used herbicide glyphosate is “probably carcinogenic” to humans has nothing do with national security, terrorism or classified information.

Congress simply wants the NIH to explain its support and staff involvement with an agency that has been widely criticized for its shoddy science and plagued by questions of

bias. Science claims upon which public health policies are set demand transparency, expert review and demonstrated replicability.

Because of the IARC's flawed assessment and its unprecedented political lobbying, glyphosate's re-approval is now threatened in Europe, and the U.S. Environmental Protection Agency has delayed what should have been an easy re-approval. Losing glyphosate would be a **massive blow** to American farmers, consumers and the agricultural economy.

If we want the American people to continue to trust the integrity of our regulatory system, the NIH needs to answer the questions raised by the IARC's actions.

In March of this year, David Zaruk **published a series** detailing the conflicts of interest of the IARC's "independent expert," Chris Portier.

An ex-staffer at the NIH's sub-agency, the National Institute for Environmental Health Sciences (NIEHS), Portier drove the current IARC monograph process, determining which chemicals would be reviewed and influencing who would be selected to participate on the review panels — all the while taking a pay check from the anti-pesticide Environmental Defense Fund.

Despite the IARC's purported strict conflict of interest rules, which it routinely uses to exclude scientists with any connection to industry, the agency covered up Portier's activist connections for years, identifying him only as "retired" from the NIEHS.

Portier isn't the only one in the IARC's revolving door of activist groups and those who profit by disparaging chemicals. Other monograph panelists with undisclosed conflicts include:

- Martyn Smith, reported to be a founding incorporator of the Council for Education and Research on Toxics (CERT) — an activist litigator group that sues companies over cancer claims **linked** to California Prop 65 issues — and an expert **witness** in lawsuits against chemical and pharmaceutical companies;
- Mary Wolff, an advisory board member of the anti-pesticide NGOs **Breast Cancer Action** and the **Silent Spring Institute**; and
- R. Thomas Zoeller, advisory board member of the anti-pesticide **Organic Center**.

Others, like [Aaron Blair](#), [Isabelle Baldi](#), [Matthew Ross](#) and [Ivan Rusyn](#), frequently collaborate in activist conferences, co-publish papers with activists, or publicly lobby to ban pesticides. Many also serve as expert witnesses for lawsuits claiming chemicals cause cancer and are positioned to directly profit from the IARC's skewed and misleading hazard-based cancer rankings.

Congress needs to know what role the NIEHS has played in all of this, to wit:

- What role did the NIEHS and other U.S. government employees have in the IARC monograph process?
- Was the NIEHS aware of Chris Portier's and others' conflicts of interest when it provided millions in taxpayer funds to the IARC?
- Will the NIH comply with U.S. law and release their FOIA communications with the IARC to the public?
-

Finally, serious concerns have been raised about NIH and EPA procedures involving Chris Portier's brother, Kenneth Portier. The two sat on multiple [NIEHS](#) and [EPA](#) panels and other meetings without disclosing their relationship — even when Ken sat in review of Chris's work.

Despite declaring his belief that glyphosate should be taken off the market and the fact that his brother's reputation as an expert claiming glyphosate causes cancer is directly tied to the review findings, Kenneth Portier has been named to sit on EPA's glyphosate review panel.

Given this troubling conflict of interest, will the NIH and EPA disclose who recommended Kenneth Portier to this panel, release any official correspondence with Kenneth Portier and his brother Chris, and ask Kenneth Portier to make public any correspondence he has had with Chris regarding glyphosate?

The NIH needs to divulge what it knew and when it knew it. It must comply with U.S. transparency laws and rectify any internal conflicts that led to U.S. taxpayer dollars funding a rogue U.N. agency.

That's how things are supposed to be done in the United States. Not in secret, behind closed doors.

Chassy served as a researcher at the NIH for 21 years before moving to the University of Illinois at Urbana-Champaign as a department head and assistant dean, and is now professor emeritus of Food Science and Human Nutrition.

Subject: Cancer Questions, Controversy and Chorus at EPA Glyphosate Meetings

From: Michael Hansen <mhansen@consumer.org>

Date: 12/16/2016 3:24 PM

To: undisclosed-recipients;

Another great story from Carey about the EPA FIFRA SAP (Scientific Advisory Panel meeting) on glyphosate. In terms of the time given to chemical industry sources, it was even more lopsided than Carey lets on. 3.5 hours on Wednesday morning was given to Monsanto. After lunch, BASF was given 20 minutes, CropLife (2 speakers, one a Monsanto employee!) 45 minutes. Dow AgroSciences 10 minutes, DuPont 15 minutes, FMC Corporation 10 minutes, Syngenta 13 minutes. This doesn't even include other pro-GE sources such as National Corn Growers, American Soybean Association, Nufarm Americas Inc., and Center for Regulatory Effectiveness. Meanwhile, critical voices were given 5 minutes to 15 minutes, with most of their comments coming on Thursday morning. I was cut off after 6 minutes.

On the bright side, many of the questions from the SAP Panel members were critical of the EPA findings. It will be interesting to see what the final SAP report says.

Fest,

Michael

Cancer Questions, Controversy and Chorus at EPA Glyphosate Meetings

12/16/2016 03:21 pm ET | **Updated** 3 minutes ago



Carey Gillam

Veteran journalist; Research Director for U.S. Right to Know, a non-profit consumer education group

[2016-12-16-1481918912-5133429-EPA_800px.jpg](#)

In terms of entertainment value, the Environmental Protection Agency had it all this week.

The agency held a [four-day-long gathering](#) of scientists aimed at the rather dry task of analyzing numerous research studies connected to cancer concerns swirling around a chemical called glyphosate. Glyphosate is the world's most widely used herbicide and is the key ingredient in Monsanto Co.'s Roundup brand. But along with the slicing and dicing of data came razor sharp debate, questions about chemical industry influence over regulators, and even a bit of theater as one group of environmental activists interrupted proceedings to [break out in song](#). Their refrain? "Monsanto is the Devil. No Glyphosate."

The meetings brought together [a roster of scientists](#) with expertise in epidemiology, toxicology and related expertise to advise the EPA on whether or not the agency has properly determined that the weight of evidence indicates glyphosate is ["not likely to be carcinogenic"](#) to humans. The determination runs counter to the classification made in March 2015 by the International Agency for Research on Cancer (IARC), an arm of the World Health Organization. IARC said a review of scientific research shows that glyphosate is a ["probable human carcinogen."](#)

The EPA's determination is crucial on many fronts - Monsanto is currently defending itself against more than [three dozen lawsuits](#) claiming glyphosate-based Roundup gave people non-Hodgkin lymphoma (NHL), a type of blood cancer; both the EPA and the European Union are assessing

re-registrations of glyphosate to determine if limits should be placed on the chemical; and Monsanto is attempting a \$66 billion merger with German-based Bayer.

But while the EPA may have hoped for resounding support from the Scientific Advisory Panel (SAP) it assembled, from the outset of the meetings on Tuesday, concerns were raised by some of the experts about the quality of the EPA's analysis. Some scientists were concerned that the EPA was violating its own guidelines in discounting data from various studies that show positive associations between glyphosate and cancer. Several of the SAP members questioned why the EPA excluded some data that showed statistical significance, and wrote off some of the positive findings to mere chance.

Monique Perron, a scientist in the Health Effects Division of EPA's Office of Pesticide Programs, explained that "professional judgment" played a role in looking at the "weight of evidence" from various studies. The EPA looked at both published studies as well as unpublished studies conducted by industry players like Monsanto, according to Perron. The IARC review focused on published, peer-reviewed research.

The public comments portion of the agenda opened with an interesting twist as a representative from the Italy-based European Food Safety Authority and one from the German Federal Institute for Risk Assessment (BfR) took to the microphones to weigh in on their perceptions of glyphosate's safety. Both said their own assessments were largely in line with the EPA view, that glyphosate is not a cause of cancer.

The BfR, which is part of the Federal Ministry of Food and Agriculture in Germany, advised EFSA and drafted the report that EFSA issued in November 2015 that declared glyphosate was "unlikely to be carcinogenic." That report has been the subject of some controversy because the BfR relied on the advice of the Glyphosate Task Force, the consortium of chemical companies that includes Monsanto, when it did its evaluation.

The EPA did not invite either BfR or EFSA to travel to the United States to deliver the support for glyphosate safety, according to Steven Knott, the EPA official who oversaw the meeting logistics. The foreign scientists simply asked for the opportunity to appear, he said. Who invited them and/or arranged for their travel raised some eyebrows among onlookers.

Another element of the meetings that did more than raise a few eyebrows was the devotion of time given to industry presenters supportive of glyphosate versus representatives from non-profits or others who urged regulators to rein in use of glyphosate. Monsanto representatives were granted roughly 3-1/2 hours on Wednesday to make the case for glyphosate safety, and several other pro-glyphosate industry players were granted additional time as well. In comparison, most critics of glyphosate had comment periods that ranged from 5-15 minutes. Knott said speaking allotments were assigned based on how much

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time commentators asked for, but some glyphosate opponents said they were told they could not have more than a few minutes.

Monsanto used its time to present a defense of glyphosate's value to agriculture, to offer detailed explanations for why the IARC analysis was flawed, and to explain why the company believes a host of data points found in various studies should be discounted, and/or are not relevant. Company representatives also argued that glyphosate residues found in numerous urine tests were nothing to worry about, and actually helped show that the chemical does not bio-accumulate in the human body. They also said reports of glyphosate residues found in human breast milk were "implausible."

Groups concerned about glyphosate argued to the panel that the EPA was favoring industry studies over published literature, which is generally considered more authoritative, and was using flimsy protocols to shrug off statistical significance found in several studies.

Many of the participants from both sides of the debate spoke of a need for research on the safety of formulated products that have glyphosate as the active ingredient. The EPA evaluates only glyphosate and not the actual formulation in which it is applied, even though the formulations are increasingly being feared to be more potentially dangerous to human health than the active ingredient alone.

One particularly interesting story line that played out this week was the saga of Dr. Peter Infante, a nationally recognized epidemiologist who initially was invited and confirmed by EPA as one of the agency's scientific advisory panel members for the glyphosate meetings. The meetings were slated for Oct. 18-21 but CropLife America, which represents the interests of Monsanto and other agribusinesses, [sent a letter to the EPA](#) on Oct. 12 calling for Infante to be completely disqualified, saying he had "patent bias." Infante appeared to have impeccable credentials, having spent decades working for the Occupational Safety and Health Administration and the National Institute for Occupational Safety and Health specializing in the determination of cancer risks associated with toxic substances. But CropLife insisted Infante be thrown off the panel. One of its reasons: Infante would give more weight to independent research than the industry's own research.

The EPA did as the industry asked, but the ousting did not sit well with Infante, who had spent long hours studying the data EPA sent the panel members in advance. In part to defend his reputation, and also to offer his analysis, a somewhat disgruntled Infante showed up at the EPA meetings anyway, telling the SAP members there is "impressive evidence" of glyphosate ties to NHL that should not be ignored.

"There is clearly the evidence for the risk of non-Hodgkin lymphoma related to glyphosate exposure," Infante said in an interview after he addressed the panel. "Is it conclusive? No, I don't think so. But I think that EPA is concluding that there is no evidence. And that's exactly wrong, according to their own criteria." There is

enough data to classify glyphosate as having “limited” evidence of carcinogenicity in humans,” Infante said.

By the time the singing broke out, the room seemed ready for the distraction. The [Rev. Billy Talen](#), who leads a group of self-proclaimed “earth-loving urban activists” that frequently use performance as protest, took his turn at the microphone. Talen told the SAP members of his group’s concern about glyphosate applications made on playgrounds around the country and the danger this could pose to children.

“We’re very aware of the cancers that come from, we believe, from glyphosates,” he told the group.

Shortly after, Talen was warned his five minutes were up, and he and a small number of his followers started singing: “Monsanto is the devil. No glyphosate. Hey.”

Never a dull moment in this debate.

Follow Carey Gillam on Twitter: www.twitter.com/careygillam

Subject: Roundup causes non-alcoholic fatty liver disease at very low doses

From: Michael Hansen <mhansen@consumer.org>

Date: 1/9/2017 6:46 AM

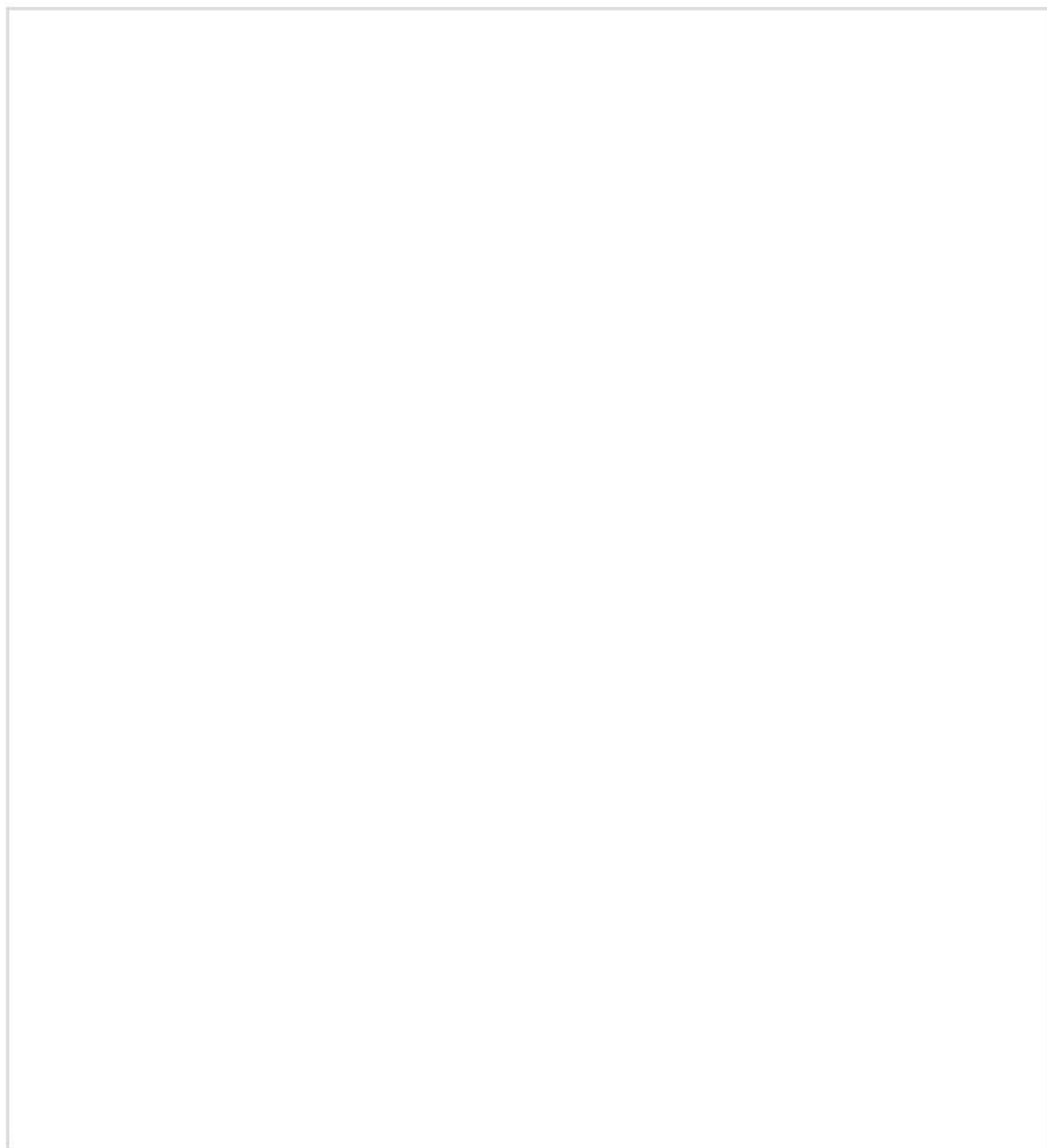
To: undisclosed-recipients;;

All,

Carefully done new study demonstrating that glyphosate can cause fatty liver disease at very low doses, e.g., at environmentally relevant doses. Excellent work by Michael Antonio and Robin Mesnage. Hope this article gets the media attention it deserves.

Best,

Michael



Roundup causes non-alcoholic fatty liver disease at very low doses

*Cutting-edge
molecular profiling
analyses reveal that
the popular
weedkiller Roundup
causes liver damage
at doses permitted
by regulators.
Report: Claire
Robinson*

The weedkiller Roundup causes non-alcoholic fatty liver disease at very low doses permitted by regulators worldwide, a new peer-reviewed study shows. The study is the first ever to show a causative link between consumption of Roundup at a real-world environmentally relevant dose and a serious disease.

The new peer-reviewed study, led by Dr Michael Antoniou at King's College London, used cutting-edge profiling methods to describe the molecular composition of the livers of female rats fed an extremely low dose of Roundup weedkiller, which is based on the chemical glyphosate, over a 2-year period.

The dose of glyphosate from the Roundup administered was thousands of times below what is permitted by regulators worldwide.

The study revealed that these animals suffered from non-alcoholic fatty liver disease (NAFLD).

Dr Antoniou said: “The findings of our study are very worrying as they demonstrate for the first time a causative link between an environmentally relevant level of Roundup consumption over the long-term and a serious disease – namely non-alcoholic fatty liver disease.

“Our results also suggest that regulators should reconsider the safety evaluation of glyphosate-based herbicides.”

Potentially serious implications for human health

The new results demonstrate that long-term consumption of an ultra-low dose of Roundup at a glyphosate daily intake level of only 4 nanograms per kilogram of bodyweight per day, which is 75,000 times below EU and 437,500 below US permitted levels, results in NAFLD.

Regulators worldwide accept toxicity studies

in rats as indicators of human health risks. So the results of this latest study have serious implications for human health.

NAFLD currently affects 25% of the US population and similar numbers of Europeans. Risk factors include being overweight or obese, having diabetes, or having high cholesterol or high triglycerides (a constituent of body fat) in the blood. However, some people develop NAFLD even if they do not have any of these known risk factors. The new study raises the question of whether exposure to Roundup is a hitherto unrecognized risk factor.

Symptoms of NAFLD include fatigue, weakness, weight loss, loss of appetite, nausea, abdominal pain, spider-like blood vessels, yellowing of the skin and eyes (jaundice), itching, fluid build-up and swelling of the legs and abdomen, and mental confusion.

NAFLD can progress to the more serious condition, non-alcoholic steatohepatitis (NASH). NASH causes the liver to swell and become damaged.

Most people with NASH are between the ages of 40 and 60 years. It is more common in women than in men. NASH is one of the leading causes of cirrhosis in adults in the United States. Up to 25% of adults with NASH may have cirrhosis.

Background to the study

The rat body tissues used in this analysis were obtained from a previous study led by Prof Gilles-Eric Séralini of the University of Caen, France. In this original investigation, rats were given an extremely low, environmentally relevant dose of a commercial Roundup formulation at 0.1ppb (parts per billion)/50ppt (parts per trillion) glyphosate via drinking water for 2 years. Daily intake of glyphosate from the Roundup was 4 nanograms per kilogram of body weight per day, which is thousands of times below what is permitted by regulators.

Analysis of the organs and blood/urine biochemical levels in the original study by Prof Séralini suggested a higher incidence of liver and kidney damage in the animals given Roundup compared to controls given plain drinking water.

Dr Antoniou's group has conducted distinct followup investigations on the rat body tissues from this ultra-low-dose Roundup treatment group, using in-depth molecular analytical procedures and statistical analytical methods that are appropriate for this type of research.

In the first followup investigation, a transcriptomics (gene function profile) analysis was performed on the livers and kidneys from the female animals. The results strongly supported the observations

made at an anatomical (organ) and blood/urine biochemical level in the Séralini study – namely that the organs of the animals given Roundup suffered more structural and functional damage than the controls.

The transcriptomics results indicated an increased incidence of fibrosis (scarring), necrosis (areas of dead tissue), phospholipidosis (disturbed fat metabolism) and damage to mitochondria (the centres of respiration in cells) in the Roundup-fed animals.

However, although transcriptomics analysis is able to predict health or disease status of an organ, it does not provide definitive proof of harm. This is mainly because it does not give a direct measure of the actual biochemistry of the organ under study. Also, alterations in gene function resulting from a test do not always result in the types of changes in physical composition that could lead to disease.

Definitive confirmation of liver disease from low dose of Roundup

In the new study the researchers undertook a followup protein composition profile (“proteomics”) and small molecule metabolite biochemical profile (“metabolomics”) investigation of the same liver samples to confirm the prediction of disease suggested by the transcriptomics gene expression profile analysis. As the proteomics and metabolomics directly

measure the actual composition of the organ, these analytical methods provide a definitive assessment of its health or disease status.

Overall, metabolomics and proteomics disturbances showed a substantial overlap with biochemical hallmarks of NAFLD and its progression to steatohepatosis (serious fatty liver disease). Therefore they definitively confirm that serious liver disease has resulted from chronic ultra-low dose Roundup exposure.

The findings in detail

Proteins significantly disturbed (214 out of 1906 detected), as shown by the proteomics profiling, reflected a type of cell damage from reactive oxygen (peroxisomal proliferation), steatosis (serious fatty liver disease) and necrosis (areas of dead tissue).

The metabolomics analysis (55 metabolites altered out of 673 detected) confirmed lipotoxic (excess fatty tissue) conditions and oxidative stress. Metabolite alterations were also associated with hallmarks of serious liver toxicity.

The new study

Mesnager R, Renney G, Séralini GE, Ward M, Antoniou MN. Multiomics reveal non-alcoholic fatty liver disease in rats following chronic exposure to an ultra-low

dose of Roundup herbicide. Scientific Reports, 2016; 6:39328.
<http://www.nature.com/articles/srep39328>

*Read this article on the GMWatch web site
and access sources here:*
<http://www.gmwatch.org/news/archive/17402>

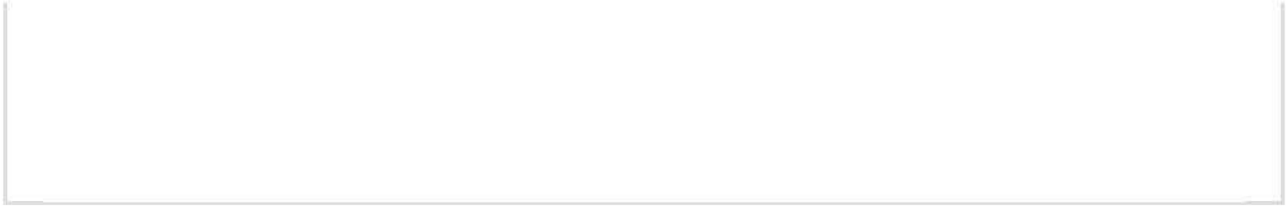
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Subject: Monsanto, EPA Seek to Keep Talks About Glyphosate Cancer Review a Secret

From: Michael Hansen <mhansen@consumer.org>

Date: 1/18/2017 1:59 PM

To: undisclosed-recipients;;

Another excellent story from Carey Gillam about the ongoing glyphosate saga.

Michael

http://www.huffingtonpost.com/carey-gillam/monsanto-epa-keep-to-keep_b_14250572.html

Monsanto, EPA Seek to Keep Talks About Glyphosate Cancer Review a Secret

01/18/2017 03:17 pm ET | **Updated** 34 minutes ago



Carey Gillam

Veteran journalist; Research Director for U.S. Right to Know, a non-profit consumer education group

<2017-01-18-1484765463-9820961-scalesofjustice.jpg>

Monsanto Co. and officials within the Environmental Protection Agency are fighting legal efforts aimed at exploring Monsanto's influence over regulatory assessments of the key chemical in the company's Roundup herbicide, new federal court filings show.

The revelations are contained in a series of filings made within the last few days in the U.S. District Court for the Northern District of California as part of litigation brought by more than 50 people suing Monsanto. The plaintiffs claim they or their loved ones developed non-Hodgkin lymphoma (NHL) after exposure to Roundup herbicide, and that Monsanto has spent decades covering up cancer risks linked to the chemical.

Lawyers for the plaintiffs want the court to lift a seal on documents that detail Monsanto's interactions with former top EPA brass Jess Rowland regarding the EPA's safety assessment of glyphosate, which is the key ingredient in Roundup. Monsanto turned the documents over in discovery but marked them "confidential," a designation plaintiffs' attorneys say is improper. They also want to depose Rowland. But Monsanto and the EPA object to the requests, court documents show.

The EPA has spent the last few years assessing the health and environmental safety aspects of glyphosate as [global controversy](#) over the chemical has mounted. The World Health Organization's International Agency for Research on Cancer (IARC) declared in March 2015 that glyphosate is a [probable human carcinogen](#), with a positive association found between glyphosate and NHL. Monsanto has been fighting to refute that classification.

Rowland has been key in Monsanto's efforts [to rebut the IARC finding](#) because until last year he was a deputy division director within the health effects division of the EPA's Office of Pesticide Programs, managing the work of scientists who assessed human health effects of exposures to pesticides like glyphosate. And, importantly, he chaired the EPA's Cancer Assessment Review Committee

(CARC) that issued an internal report in October 2015 contracting IARC's findings. [That 87-page report](#), signed by Rowland, determined that glyphosate was "not likely to be carcinogenic to humans."

The EPA finding has been highly valued by Monsanto, helping bolster the company's defense against [the Roundup liability lawsuits](#), and helping shore up market support for a product that brings in billions of dollars in revenues to the company annually. The EPA's stamp of approval for the safety of glyphosate over the last few decades has also been key to the success of Monsanto's genetically engineered, glyphosate-tolerant crops, which have been popular with farmers.

But the handling of the CARC report raised questions when it was posted to a public EPA website on April 29, 2016 and kept on the site for only three days before being pulled down. The agency said the report was not final and that it should not have been posted, but [Monsanto touted the report](#) as a public affirmation of its safety claims for glyphosate. The company also brought a copy of the report to a May court hearing in the Roundup litigation as a counter point to the IARC cancer classification. Shortly after the CARC report was removed from the EPA website, Rowland left his 26-year career at the EPA.

Plaintiffs' attorneys [have asked to depose Rowland](#) to learn about that situation and other dealings with Monsanto. But, along with Monsanto's objection to releasing the documents that relate to its conversations with Rowland, the EPA has specifically [refused the deposition request](#), saying it would "not clearly be in the interests of EPA" to allow attorneys to question Rowland about the cancer review and interactions with Monsanto.

Monsanto has so far turned over six million pages of documents through the court-ordered discovery process, but has designated roughly 85 percent of the information as "confidential," meaning plaintiffs' attorneys must black out information from those documents in any court filings that could be accessed by reporters or other members of the public. That designation is improper for many of the documents, especially ones dealing with the company's interactions with, and influence attempts over, EPA officials, [plaintiffs' lawyers argue](#).

The lawyers say that the documents obtained through discovery show that "Monsanto has been confident all along that EPA would continue to support glyphosate, whatever happened and no matter who held otherwise." [According to the court filings](#) by plaintiffs' attorneys, the documents show "it is clear that Monsanto enjoyed considerable influence within the EPA's OPP, and was close with Mr. Rowland... The documentary evidence strongly suggests that Mr. Rowland's primary goal was to serve the interests of Monsanto."

The EPA is a taxpayer-funded, public agency and its dealings with Monsanto should be subject to public scrutiny, particularly given the widespread use of glyphosate herbicide products and the ongoing international debate over the safety of the chemical, they claim.

"The health and safety of millions of U.S. citizens is at stake," states [a Jan. 16](#)

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[plaintiffs' filing](#). "Decisions affecting the public health should not be based on secret conversations between Monsanto and EPA officials. If Monsanto wants to advocate on behalf of glyphosate to EPA employees, they should have to do it publicly, so that concerned citizens have equal opportunity to advocate for their health and the health of their families. This issue is too important to allow Monsanto to improperly influence the EPA, and then hide such communication behind an improper 'confidential' designation."

Monsanto is adamant that its documents not be made public, arguing that releasing them would be "premature and improper." Allowing public dissemination "of a few select internal corporate documents taken out of context... would be prejudicial to Monsanto and could cause reputational harm," the company's attorneys [wrote in their response](#).

The plaintiffs' attorneys say at least four specific documents they have obtained are clearly in the public interest and "illuminate that one of Monsanto's chief business strategies is its secret and untoward influence on EPA." The documents include both internal memos and email chains, according to descriptions of the documents.

"Since Monsanto's communications with the EPA remain secret, these known lobbying efforts are only the tip of the iceberg of Monsanto's collusion with the EPA. Monsanto's bad acts in violating U.S. regulations through secret communications with the EPA should not be rewarded by allowing them to keep these communications secret by merely stamping them 'Confidential,'" the plaintiffs' attorney state in the filings. "These documents summarize communications with EPA which are not elsewhere memorialized; they are not trade secrets and the public has a compelling interest in disclosure."

Monsanto argues otherwise, saying the four documents at issue "contain sensitive, non-public commercial information, relate to a motion seeking to obtain discovery from a non-party, and bear only a tangential, at best, connection to the questions at issue in this litigation; hence, any public interest "is minimal."

U.S. District Judge Vince Chhabria, who is overseeing the Roundup litigation, is expected to rule on the matters within the next few days.

In a separate case, Monsanto and California environmental regulators [face off Jan. 27](#) over plans by state regulators to list glyphosate as a carcinogen. The state Office of Environmental Health Hazard Assessment (OEHHA) said it would add glyphosate to its list of known carcinogens after the IARC classification. Monsanto has sued to prevent the listing. The upcoming hearing takes up OEHHA's motion to dismiss Monsanto's lawsuit.

Follow Carey Gillam on Twitter: www.twitter.com/careygillam

Subject: Fwd: epi study from Argentina

From: Pete Myers <jpmyers@ehsic.org>

Date: 2/22/2017 2:15 PM

To: "Lanphear, Bruce" <blanphear@sfu.ca>, "Prof. Fred vom Saal" <vomsaalf@missouri.edu>, Chuck Benbrook <[REDACTED]>, "Welshons, Wade" <WelshonsW@missouri.edu>, Philip Landrigan <phil.landrigan@mssm.edu>, Bruce Blumberg <blumberg@uci.edu>, Laura Vandenberg <lvandenberg@schoolph.umass.edu>, Michael Antoniou <michael.antoniou@kcl.ac.uk>, "Michael Hansen Ph.D." <mhansen@consumer.org>, Robin Mesnage <[REDACTED]> Patrick Holden <patrick@sustainablefoodtrust.org>, Lorne Everett <LEverett@everettassociates.net>, Lynn Carroll <[REDACTED]>

I think Bruce meant to reply to all, not just to me.

Begin forwarded message:

From: Bruce Blumberg <blumberg@uci.edu>

Subject: Re: epi study from Argentina

Date: February 22, 2017 at 5:13:30 PM EST

To: JPMyers@ehsic.org

On 2/22/2017 2:10 PM, JPMyers@ehsic.org wrote:

[REDACTED]

Pete Myers, from a mobile phone

On Feb 22, 2017, at 5:09 PM, Bruce Blumberg <blumberg@uci.edu> wrote:

[REDACTED]

On 2/22/2017 12:35 PM, Pete Myers wrote:

[REDACTED]

On Feb 22, 2017, at 3:30 PM, Bruce Blumberg <blumberg@uci.edu> wrote:

[Redacted]

Bruce

On 2/22/2017 12:18 PM, Pete Myers wrote:

[Redacted]

--

Bruce Blumberg, PhD.
Professor
Depts. of Developmental and Cell Biology
and Pharmaceutical Sciences
4103 Natural Sciences 2
Mailing address: 2011 Biological Sciences 3
University of California
Irvine, CA 92697-2300

office: 949-824-8573
lab: 949-824-6873
fax: 949-824-4709
e-mail: blumberg@uci.edu
web: <http://blumberg-lab.bio.uci.edu/>
<http://blumberg.bio.uci.edu/>

Subject: Re: epi study from Argentina
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Date: 2/22/2017 2:13 PM
To: JPMyers@ehsic.org

[REDACTED]

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fax: 949-824-4709

e-mail: blumberg@uci.edu

web: <http://blumberg-lab.bio.uci.edu/>
<http://blumberg.bio.uci.edu/>

Subject: Re: epi study from Argentina

From: robin mesnage [REDACTED]

Date: 2/23/2017 1:48 AM

To: Pete Myers <jpmyers@ehsic.org>

CC: "Lanphear, Bruce" <blanphear@sfu.ca>, "Prof. Fred vom Saal" <vomsaalf@missouri.edu>, Chuck Benbrook <[REDACTED]>, "Welshons, Wade" <WelshonsW@missouri.edu>, Philip Landrigan <phil.landrigan@mssm.edu>, Bruce Blumberg <blumberg@uci.edu>, Laura Vandenberg <lvandenberg@schoolph.umass.edu>, Michael Antoniou <michael.antoniou@kcl.ac.uk>, "Michael Hansen Ph.D." <mhansen@consumer.org>, Patrick Holden <patrick@sustainablefoodtrust.org>, Lorne Everett <LEverett@everettassociates.net>, Lynn Carroll <[REDACTED]>

This study confirms concerns about agricultural practices and cancer in Argentina, but I don't think it tells much about the link with glyphosate. Given the time elapsed between cancer initiation and cancer detection, cancers observed could also be due to pesticides sprayed 10-20 years ago.

Interestingly, types of cancers observed (breast, prostate and thyroid) suggest an endocrine disrupting origin.

With such application rates per hectare, this explains why the NGO Testbiotech found almost 100 mg/kg glyphosate in Argentinian Soybeans!

Best wishes,

Robin.

--

Dr. Robin Mesnage

Research Associate | Cellular and Molecular Toxicology

King's College London

Department of Medical and Molecular Genetics

Guy's Hospital, London, SE1 9RT

[King's College London](#)

[LinkedIn](#)

[Twitter](#)

--

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lab: [949-824-6873](tel:949-824-6873)
fax: [949-824-4709](tel:949-824-4709)
e-mail: blumberg@uci.edu
web: <http://blumberg-lab.bio.uci.edu/>
<http://blumberg.bio.uci.edu/>

Subject: EPA SAP report on glyphosate

From: Michael Hansen <mhansen@consumer.org>

Date: 3/21/2017 1:00 PM

To: undisclosed-recipients;

All,

EPA has published the Scientific Advisory Panel (SAP) report on glyphosate, available at:

https://www.epa.gov/sites/production/files/2017-03/documents/december_13-16_2016_final_report_03162017.pdf

The transcripts of the December 13-16 SAP meeting are also available: https://www.epa.gov/sites/production/files/2017-02/documents/glyphosate_transcript.pdf

Happy reading.

Michael

--

Michael Hansen, Ph.D.

Senior Scientist

Consumers Union

101 Truman Ave.

Yonkers, NY 10703

o: 914-378-2452

c: [REDACTED]

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Subject: Prop 65

From: Laura Vandenberg <lvandenberg@schoolph.umass.edu>

Date: 3/29/2017 8:00 PM

To: "Lanphear, Bruce" <blanphear@sfu.ca>, "Prof. Fred vom Saal" <vomsaalf@missouri.edu>, Chuck Benbrook <[REDACTED]> "Welshons, Wade" <WelshonsW@missouri.edu>, Philip Landrigan <phil.landrigan@mssm.edu>, Bruce Blumberg <blumberg@uci.edu>, "Michael Antoniou" <michael.antoniou@kcl.ac.uk>, "Michael Hansen Ph.D." <mhansen@consumer.org>, Robin Mesnage <[REDACTED]> Patrick Holden <patrick@sustainablefoodtrust.org>, Lorne Everett <LEverett@everettassociates.net>, Lynn Carroll <[REDACTED]> Pete Myers <jpmyers@ehsic.org>

Just saw this:

<https://oehha.ca.gov/proposition-65/cmr/glyphosate-be-listed-under-proposition-65-known-state-cause-cancer>

Glyphosate to be Listed under Proposition 65 as Known to the State to Cause Cancer | OEHHA

oehha.ca.gov

OEHHA has determined that glyphosate (CAS No. 1071-83-6) will be added to the list of chemicals known to the state to cause cancer for purposes of Proposition 65.

"The law requires that certain substances identified by the International Agency for Research on Cancer (IARC) be listed as known to cause cancer under Proposition 65." It looks like they already accepted public comments on glyphosate (comment period is closed).

Best,
Laura

Laura N. Vandenberg, PhD
Assistant Professor,
Graduate Program Director
University of Massachusetts – Amherst
School of Public Health & Health Sciences
Department of Environmental Health Sciences
686 N. Pleasant Street
171A Goessmann
Amherst, MA 01003
Tel: 413.577.7405
lvandenberg@schoolph.umass.edu

Subject: Re: Prop 65

From: Bruce Blumberg <blumberg@uci.edu>

Date: 3/29/2017 10:00 PM

To: Laura Vandenberg <lvandenberg@schoolph.umass.edu>, "Lanphear, Bruce" <blanphear@sfu.ca>, "Prof. Fred vom Saal" <vomsaalf@missouri.edu>, Chuck Benbrook <[REDACTED]> "Welshons, Wade" <WelshonsW@missouri.edu>, Philip Landrigan <phil.landrigan@mssm.edu>, Michael Antoniou <michael.antoniou@kcl.ac.uk>, "Michael Hansen Ph.D." <mhansen@consumer.org>, Robin Mesnage <[REDACTED]> Patrick Holden <patrick@sustainablefoodtrust.org>, Lorne Everett <LEverett@everettassociates.net>, Lynn Carroll <[REDACTED]> Pete Myers <jpmyers@ehsic.org>

Yup, this has been a big fight, as you can imagine. Monsanto sued the state to prevent the listing of glyphosate on this list, but they are losing the battle at the moment.

Best,

Bruce

On 3/29/2017 8:00 PM, Laura Vandenberg wrote:

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Laura N. Vandenberg, PhD

Assistant Professor,
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web: <http://blumberg-lab.bio.uci.edu/>
<http://blumberg.bio.uci.edu/>

Subject: CEHN Meeting

From: Laura Vandenberg <lvandenberg@schoolph.umass.edu>

Date: 4/5/2017 5:34 AM

To: "Lanphear, Bruce" <blanphear@sfu.ca>, "Prof. Fred vom Saal" <vomsaalf@missouri.edu>, Chuck Benbrook <[REDACTED]> "Welshons, Wade" <WelshonsW@missouri.edu>, Philip Landrigan <phil.landrigan@mssm.edu>, Bruce Blumberg <blumberg@uci.edu>, "Michael Antoniou" <michael.antoniou@kcl.ac.uk>, "Michael Hansen Ph.D." <mhansen@consumer.org>, Robin Mesnage <[REDACTED]> Patrick Holden <patrick@sustainablefoodtrust.org>, Lorne Everett <LEverett@everettassociates.net>, Lynn Carroll <[REDACTED]> Pete Myers <jpmyers@ehsic.org>

Some news coverage about glyphosate:

<http://www.huffingtonpost.com/entry/58e3f715e4b02ef7e0e6e172>

The story mentions a report that will be discussed at the CEHN meeting this week.

Best,

Laura

Laura N. Vandenberg, PhD
Assistant Professor,
Graduate Program Director
University of Massachusetts – Amherst
School of Public Health & Health Sciences
Department of Environmental Health Sciences
686 N. Pleasant Street
171A Goessmann
Amherst, MA 01003
Tel: 413.577.7405
lvandenberg@schoolph.umass.edu

| | | |

Subject: Researchers find glyphosate in pregnant women, worry about impact on infants

From: Michael Hansen <mhansen@consumer.org>

Date: 4/7/2017 6:31 AM

To: undisclosed-recipients;

https://thefern.org/ag_insider/researchers-find-glyphosate-pregnant-women-worry-impact-infants/

Researchers find glyphosate in pregnant women, worry about impact on infants

By Rene Ebersole, April 7, 2017

A team of scientists this week released early results of an ongoing study spotlighting concerns about the rising use of pesticides and reproductive risks to women and children. The researchers tested and tracked, over a period of two years, the presence of the common herbicide glyphosate in the urine of 69 expectant mothers in Indiana.

The team – led by Paul Winchester, medical director of the neonatal intensive care unit at the Franciscan St. Francis Health System and professor of clinical pediatrics at Riley Hospital for Children in Indianapolis, Ind. – found glyphosate residues in 90 percent of the women, and high levels of those residues appeared to correlate with shortened pregnancies and below-average birth weights adjusted for age. The findings alarmed the researchers because such babies are at increased risk of diabetes, heart disease, high blood pressure, and lower cognitive abilities. “Gestational age maximizes the size of your brain at birth, and any shortening is essentially a reduction of IQ points,” Winchester said in an interview with FERN’s Ag Insider. “It has not just health, but lifetime achievement implications.”

This is the first time that anyone has demonstrated glyphosate is present in pregnant women in the U.S., according to Winchester. However, the results were limited by a small sample size. He and his colleagues plan to submit their research to a peer-reviewed journal within the month and they hope to expand the study later this year.

“The fact that we were able to find adverse effects on the small number of people we measured would imply a larger study is needed immediately to find out if this is

prevalent everywhere,” Winchester says. “This is a critical piece of information that I think people should be concerned about.”

Glyphosate is the world’s most popular herbicide and the key ingredient in Monsanto’s Roundup weed killer. Globally, 9.4 million tons of glyphosate have been sprayed on crops, lawns, and gardens since the chemical was released on the market in 1974.

In response to the new study, Monsanto released a statement from staff medical experts Katie Karberg and Liza Halcomb. “As physicians and mothers ourselves, nothing is more important to us than the health and wellbeing of children. We stand by the safety of our products and the extensive regulatory oversight provided by agencies like the U.S. EPA,” the Monsanto officials said.

Currently, concerns about the safety of glyphosate are at the center of a major national lawsuit. Monsanto is being sued by hundreds of U.S. consumers who say the company did not warn them, despite evidence, that the chemical can cause cancers such as non-Hodgkin lymphoma, a blood disease. A key piece of testimony in the suit is a 2015 International Agency for Research on Cancer (IARC) report stating that glyphosate is “probably carcinogenic to humans.” Monsanto contests the listing, citing rulings by the EPA, the European Chemicals Agency, and the European Food Safety Authority that did not find cancer risks.

In response to the new study, Monsanto said: “The sample size in this unpublished and non-peer reviewed research is extremely small and not replicated. No conclusion about causation is supportable.” It also dismissed the scientists’ findings as “fear-mongering at its worst by activists and NGOs who are opposed to modern agriculture.”

Winchester has long studied the risks posed by agrochemicals, finding in a [2009 study](#) that high levels of the farming chemical atrazine in water was associated with increased risk of genital birth defects in children.

In the glyphosate study, Winchester and his colleagues considered whether water might again be the exposure route for the pregnant women they monitored. After testing water samples, the scientists concluded that it was not the source. They suspect diet may play a role. The Food and Drug Administration, however, [recently suspended](#) the testing of glyphosate residues in food, citing the need for improved validation methods.

Experts say the spread of weeds resistant to glyphosate in the Midwest is triggering intensification of herbicide use over longer periods of time. “Until this year, most herbicides in the Midwest were sprayed during a six-week window, but now heavy herbicide spray season will last at least four months, placing more women and children at heightened risk,” Phil Landrigan, dean for global health at Mount Sinai

Medical School and a member of the research team, said in a statement. As a result, he and his colleagues predict the risk of reproductive problems and adverse birth outcomes will rise among women and children living in rural areas.

The preliminary results of the study were presented Thursday at the biennial 2017 Children's Environmental Health Translational Research Conference in Arlington, Va. The conference is hosted by the Children's Environmental Health Network (CEHN), which is timing the launch of its new [Healthy Kids Project](#) to the study's release.

Rene Ebersole, a contributor to FERN's Ag Insider, writes and edits articles about science, health, and the environment for such publications as Outside, Modern Farmer, Popular Science, and Audubon.

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Michael Hansen, Ph.D.

Senior Scientist

Consumers Union

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Yonkers, NY 10703

o: 914-378-2452

c: [REDACTED]

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