

**From:** [Scarano, Louis](#)  
**To:** [Haber, Lynne \(haberlt\)](#)  
**Subject:** RE: Institute of Predictive Safety Assessment (IPSA)  
**Date:** Friday, July 14, 2017 12:25:41 PM

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Lynne:

How about Friday, July 21 at 11 am my time (Cincy is in same time zone, right)?

Regards,

Louis (Gino) Scarano, PhD  
Senior Science Advisor (Detail)  
US EPA  
Office of Chemical Safety and Pollution Prevention (OCSP)  
Office of Pollution Prevention and Toxics (OPPT)  
Risk Assessment Division (RAD)  
1200 Pennsylvania Ave, NW (Mail Code 7403M)  
Washington, DC 20460  
Desk Phone: 202-564-2851  
Mobile: 202-340-5726  
Fax: 202-564-7450

Deliveries: Room 6208A, 1201 Constitution Ave., NW, Washington, DC 20460

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**From:** Haber, Lynne (haberlt) [mailto:[haberlt@ucmail.uc.edu](mailto:haberlt@ucmail.uc.edu)]  
**Sent:** Friday, July 14, 2017 8:19 AM  
**To:** Scarano, Louis <[Scarano.Louis@epa.gov](mailto:Scarano.Louis@epa.gov)>  
**Subject:** RE: Institute of Predictive Safety Assessment (IPSA)

Hi Gino,

As you probably guessed, I got caught up in boot camp work and sorting out my schedule and other meetings next week.

Anyway – that's all done now.

Any of the days and times you suggest on Wednesday – Friday work for me. Just pick one that works for you, and let me know. I can call you. And if all of those times are now booked for you, my schedule is open the week of July 24.

Lynne

(513) 558-7631

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**From:** Scarano, Louis [<mailto:Scarano.Louis@epa.gov>]  
**Sent:** Tuesday, July 11, 2017 6:39 AM  
**To:** Haber, Lynne (haberlt)  
**Subject:** RE: Institute of Predictive Safety Assessment (IPSA)

Lynne:

Thanks for the quick response (especially when YOU are so busy with boot camp).

Next week would be fine. Here are my available times:

- Monday (July 17) – 2-3 pm
- Tuesday (3-4 pm)
- Wed (11-12)
- Thurs (10-12 and 3-4)
- Friday (11-12)

Again about my being so slow to respond in the first place...feel free to gently nag in the future.

Regards,

Louis (Gino) Scarano, PhD  
Senior Science Advisor (Detail)  
US EPA  
Office of Chemical Safety and Pollution Prevention (OCSP)  
Office of Pollution Prevention and Toxics (OPPT)  
Risk Assessment Division (RAD)  
1200 Pennsylvania Ave, NW (Mail Code 7403M)  
Washington, DC 20460  
Desk Phone: 202-564-2851  
Mobile: 202-340-5726  
Fax: 202-564-7450

Deliveries: Room 6208A, 1201 Constitution Ave., NW, Washington, DC 20460

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**From:** Haber, Lynne (haberlt) [<mailto:haberlt@ucmail.uc.edu>]  
**Sent:** Monday, July 10, 2017 8:21 PM  
**To:** Scarano, Louis <[Scarano.Louis@epa.gov](mailto:Scarano.Louis@epa.gov)>  
**Subject:** RE: Institute of Predictive Safety Assessment (IPSA)

Hi Gino,

I'm glad to hear that this email surfaced again to your attention. ☺ I know you've been snowed with work, and so was hesitant to follow up.

Yes, there is some interesting traction. Perhaps best addressed in a phone call rather than email.

I'm teaching boot camp all this week, but can be available Friday after about 2 PM. Next week would be even better to connect, since my schedule is mostly open. Might you have some time to talk then?

Lynne

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**From:** Scarano, Louis [<mailto:Scarano.Louis@epa.gov>]  
**Sent:** Monday, July 10, 2017 7:44 AM  
**To:** Haber, Lynne (haberlt)  
**Subject:** RE: Institute of Predictive Safety Assessment (IPSA)

Lynne:

I confess that I have not opened your e-mail until now....I did see it a few weeks ago when I was looking for something; but forgot about it until just now.

Anyway – is this initiative still happening/gaining traction? It is an impressive group of actors/players and I like the analogy to HEI....

Hope all is well in Cincy...

Regards,

Louis (Gino) Scarano, PhD  
Senior Science Advisor (Detail)  
US EPA  
Office of Chemical Safety and Pollution Prevention (OCSP)  
Office of Pollution Prevention and Toxics (OPPT)  
Risk Assessment Division (RAD)  
1200 Pennsylvania Ave, NW (Mail Code 7403M)  
Washington, DC 20460  
Desk Phone: 202-564-2851  
Mobile: 202-340-5726  
Fax: 202-564-7450

Deliveries: Room 6208A, 1201 Constitution Ave., NW, Washington, DC 20460

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**From:** Haber, Lynne (haberlt) [<mailto:haberlt@ucmail.uc.edu>]  
**Sent:** Tuesday, April 11, 2017 11:33 AM  
**To:** Scarano, Louis <[Scarano.Louis@epa.gov](mailto:Scarano.Louis@epa.gov)>  
**Cc:** Dourson, Michael (doursoml) <[doursoml@ucmail.uc.edu](mailto:doursoml@ucmail.uc.edu)>; Maier, Michael (maierma) <[maierma@ucmail.uc.edu](mailto:maierma@ucmail.uc.edu)>  
**Subject:** FW: Institute of Predictive Safety Assessment (IPSA)  
**Importance:** High

Hi Gino,

It was good chatting with you at SOT, and congratulations again on your detail. It sounds like a fascinating (and challenging) task.

See below for the initiative that I mentioned when we talked – in case Tina has not yet talked with you about it. Given the big issues and broad potential impact of this work, it is purposely a multi-stakeholder initiative, both from the perspective of potential funders, and of the participants.

I know you've got a big task ahead of you in the coming year. We would be happy to help out, either through this initiative or more directly, as just the University of Cincinnati Risk Science Center. Recognizing the current status of EPA funding, a Cooperative Research and Development Agreement (CRADA) under the Federal Technology Transfer Act may be a useful mechanism to provide you and your colleagues with additional hands and brains (so to speak), with funding provided by third parties.

If any of this is of interest, we could set up a time to talk later this week or next week.

Lynne Haber, Ph.D, DABT  
Senior Toxicologist/Adjunct Associate Professor  
Department of Environmental Health  
University of Cincinnati, College of Medicine  
[Lynne.Haber@uc.edu](mailto:Lynne.Haber@uc.edu)  
513-558-7631  
Fax: 513-558-7199

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**From:** Dourson, Michael (doursoml)  
**Sent:** Monday, April 10, 2017 4:40 PM  
**To:** [katherineg@piscltd.org.uk](mailto:katherineg@piscltd.org.uk); [PJSpencer@ANGUS.com](mailto:PJSpencer@ANGUS.com); [amyjc@piscltd.org.uk](mailto:amyjc@piscltd.org.uk);  
[Paul.J.Russell@unilever.com](mailto:Paul.J.Russell@unilever.com); [warren.casey@nih.gov](mailto:warren.casey@nih.gov); [paul.carmichael@unilever.com](mailto:paul.carmichael@unilever.com);  
[DRJuberg@dow.com](mailto:DRJuberg@dow.com); [mmarty@dow.com](mailto:mmarty@dow.com); [Rick\\_Becker@americanchemistry.com](mailto:Rick_Becker@americanchemistry.com); [bahadori.tina@epa.gov](mailto:bahadori.tina@epa.gov);  
[dennis.j.devlin@exxonmobil.com](mailto:dennis.j.devlin@exxonmobil.com); [doug.wolf@syngenta.com](mailto:doug.wolf@syngenta.com); [carolina.livi@agilent.com](mailto:carolina.livi@agilent.com);  
[luisa.camacho@fda.hhs.gov](mailto:luisa.camacho@fda.hhs.gov); Akerman, Gregory; Rasoulpour, Reza (J); Thomas Hartung  
([thartun1@jhu.edu](mailto:thartun1@jhu.edu))  
**Cc:** [rclewell@scitovation.com](mailto:rclewell@scitovation.com); Bhat, Virunya; Holsapple, Michael; Boekelheide, Kim; Rowlands, Craig;  
Dourson, Michael (doursoml)  
**Subject:** Institute of Predictive Safety Assessment (IPSA)  
**Importance:** High

Dear Colleagues

Many of you are deeply committed to bringing to fruition the use of Tox21 data in risk and safety assessments, and guiding such assessments into the regulatory framework as described elsewhere in part (Nel and Malloy, 2017; Wittwehr, Aladjov, Ankley, et al., 2017; Juberg, Knudsen, Sander, et al., 2017). Such Tox21 data use will be less costly in experimental animals and money, may yield quicker assessments and regulation, and will be able to address more chemicals of concern. What is missing from this commitment is not a desire to effect these changes, but an independent staff dedicated to working with all parties to make this happen.

The attached prospectus is offered as one way of providing this missing piece. We invite your thoughtful response to it. Perhaps as important, we invite your organization to make a financial commitment to support its development.

I plan to call on each one of you over the next several weeks to gauge your interest in this prospectus. Please feel free to circulate this to any interested party, and also feel free to reach out to any one of us in the cc line to ask questions or to offer improvements.

Sincerely,



Michael L. Dourson, Ph.D., DABT, FATS, FSRA  
Professor

Risk Science Center (formerly TERA)

Department of Environmental Health  
University of Cincinnati, College of Medicine  
160 Panzeca Way  
Cincinnati OH 45267-0056

[michael.dourson@uc.edu](mailto:michael.dourson@uc.edu)  
513-558-7949  
419-892-2502 (Mondays)

<http://eh.uc.edu/tera/>

UC-DEH Risk Science Center



#### References

Andre E. Nel and Timothy F. Malloy. 2017. Policy reforms to update chemical safety testing. *Science*. 355(6329):10161018. March.

Wittwehr C., Aladjov H., Ankley G., et al. 2017. How adverse outcome pathways can aid the developmental and use of computational prediction models for regulatory toxicology. *Toxicology Sciences* 155(2):326-336.

Juberg D.R., Knudsen T.B., Sander M., et al. 2017. FutureTox III: Bridges for translation. Toxicology Sciences. 155(1):22-31.

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**From:** Michael Dourson <doursoml@ucmail.uc.edu>

**Date:** Sunday, March 12, 2017 at 3:13 PM

**To:** "katherineg@piscld.org.uk" <katherineg@piscld.org.uk>, "ehill@iivs.org" <ehill@iivs.org>, "PJSpencer@ANGUS.com" <PJSpencer@ANGUS.com>, "rclewell@scitovation.com" <rclewell@scitovation.com>, "amyjc@piscld.org.uk" <amyjc@piscld.org.uk>, "Russell, Paul J" <Paul.J.Russell@unilever.com>, "Bhat, Virunya" <bhat@nsf.org>, "Casey, Warren (NIH/NIEHS) [E]" <warren.casey@nih.gov>, "Rowlands, Craig" <Craig.Rowlands@ul.com>, "Reichard, John (reichajf)" <reichajf@ucmail.uc.edu>

**Cc:** Lynne Haber <haberlt@ucmail.uc.edu>, "Phelka, Amanda" <aphelka@nsf.org>, "Beetsch@nsf.org" <Beetsch@nsf.org>, Andy Maier <maierma@ucmail.uc.edu>, "mcginnis@tera.org" <mcginnis@tera.org>, "paul.carmichael@unilever.com" <paul.carmichael@unilever.com>

**Subject:** Re: Tox 21 SOT Session

Dear Colleagues

Thanks for your support and participation in today's event. I jotted down several next steps during our conversation after the main event. Please do not take this as definitive; feel free to add or subtract.

- A dedicated staff is needed to form the nucleus of a center; however the center is a collaboration of several groups with different expertise
- The center will be a single voice or organizational point for the activity of several or even many groups
- The center will aggregate information from different organizations in a way that is readily interpretable by all parties
- A mind-shift will be needed to go from hazard based, target organ toxicity, to predictive safety irrespective of target organ or effect
- The center will facilitate learning or assisting in this mind-shift
- The center will be a network, that enables folks to work together that normally do not

Also volunteered was the development of a proposal that would enable sponsoring organizations to consider funding. I will ask the various organizations interested in being associated with this center to be part of a joint proposal, a summary of which can be developed by the end of March.

Cheers!

Michael

-- *Risk Science Center (formerly TERA Center)*  
*Integrating assessments for both human and environmental health.*  
See <http://www.tera.org/EcoTERA/index.html>

