

DRSG Teleconference of 8 January 2019

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Prepared by Peg Coleman

DRSG Teleseminar Planning for 2019

The continuing US federal government furlough severely limited discussion of the appended notes on potential DRSG teleseminar topics from the brainstorming session last month in New Orleans. Ten ideas for teleseminar topics were recorded. The ideas with strikeout markings represent lacked sufficient detail for follow up this month. Some strikeout ideas may be reasonable to consider in the future, but the participants in the meeting did not have sufficient information to follow up on these ideas for scheduling the 2019 teleseminars.

Matt Wheeler will contact individuals noted below to schedule DRSG teleseminars on first Tuesdays beginning in March. He plans to schedule 4-6 of the appended topics.

Minutes and Finances

Peg Coleman prepared and submitted draft minutes of this meeting to the participants prior to posting final minutes to the DRSG listserv. She will also contact the SRA Secretariat about current balances in the DRSG account.

Appendix: DRSG Brainstorming Session Notes from New Orleans (3 Dec 2018)

Teleseminar Ideas

1. **Cynthia Rider** (NIH) on complex botanical mixtures, chemical, biological activity, not easily quantifiable (webinar several years ago, but intractable problem with interesting new work, potentially new approaches to dose-addition) SOT session on food additives, natural products, growing interest, GRAS issues
2. ~~Nano dosimetry, in vitro culture system to capture interactions in the lungs, in vivo, fate and transport, gene expression OECD, need more quantitative?~~
3. **TBD** (EPA) on perfluorinated compounds, EPA awardees may be invited, ATSDR just appropriated funds for pfas (2 webinars leading into symposium; symposium with overview, fate and transport, pbpk, read across issues, 2 back to back symposia, reach across to other SGs, risk communication, engineering)
4. ~~Dose response for antibiotic resistant organisms~~
5. ~~Cost benefit disinfectant byproducts chemical risk vs disinfection~~
6. **Katya Tsaïoun** (Johns Hopkins University) on publication assessment software tool MIST mixtures similarity tool, known tox + unknowns, tool might be

public at that time, interesting to use with botanicals, read across similarity very qualitative; more quantitative, better extrapolation; exposure SG??

7. **Jim Bus** on endogenous +exogenous compounds, methanol, formaldehyde, ethylene dioxide, impacts cigarette smoke

8. **Dustin Long** (U AL Birmingham) on Cox prop hazards model using spline, idea to shape curve based on doses

9. **Scott Auerback** on mapping high throughput space to predict DR curves for Ames assays, ToxCast, predict proximity ...

10. **Hosea Cortinez** (EFSA) benchmark dose and regulatory framework

Other Ideas

- Poster platforms, great potential for interactions (pfas)
- Arlington meeting, attract more feds (glyphosate, Academy discussion about including mechanistic data in cancer risk assessment, Benchmark dose approaches may be okay but should be discussed, quantitative weight of evidence choices, mode of action, choosing among plausible modes of action)
- Lunch with an expert
- Academic course on career paths, what DR career paths are available RT webinar or symposium, with other SGs
- What do students, post docs want to hear?
- Mentoring