DRSG Teleconference of 2 April 2019

Participants: Weihsueh Chiu, Peg Coleman, Allen Davis, Ingrid Druwe, Jeff Gift, Sarah Henry, Dustin Kapraun, Jackie MacDonald-Gibson, Paul Schlosser, Matt Wheeler, George Woodall, Phil Yeager

Prepared by Peg Coleman

Discussion of SRA 2019 Proposal Ideas for DRSG Endorsement

1. Allen, Jeff, Matt workshop on benchmark dose training will be proposed for Benchmark Dose Software (BMDS) and Categorical Regression (CatReg) software (https://www.epa.gov/bmds) products alone in 2019. Insufficient time was available for the 2018 workshop that combined these tools with the Bayesian Benchmark Dose Modeling system (https://benchmarkdose.org/).
2. Ingrid, quantitative mode of action pathway assessment, potential speakers and topics: Rory Conley for systematic review; Rita Schoni for adverse outcome pathway for formaldehyde risk; European researcher on potential of omics data in next generation microbiological dose-response
3. Matt, Allen, Geneva meeting, harmonization DR assessment for EU, WHO, US, potential speakers: FDA and EU (Hosea or Bernard or Lutz)
4. Weishueh Chiu, Greg Paoli workshop on WHO framework for probabilistic assessment
5. DRSG invites other ideas by email for discussion at May 7th meeting

Finances and Outside Speaker Funding Needs

Funds available as of December 2018: $8,849.42

- Includes $705 income from dues
- Workshop proceeds for 2018 not available before April meeting, though Allen noted good attendance last year

SRA webinar:

Ingrid will provide overview of DRSG for the SRA specialty group webinar, noting topic areas and how to get involved (Wednesday April 3rd at 11am EST)

DRSG Teleseminar Planning for 2019

Matt Wheeler confirmed Hosea Cortinez for the DRSG teleseminar on June 4th, likely moved to 11 am EST start time to better accommodate European presenter. He will request a title and abstract. Matt will contact an additional 2-4 speakers for fall teleseminars from the appended brainstorming session notes.

Coordinating Student Award Decisions

1. Last year, the SRA Secretariat sent extended abstracts to DRSG reviewers (Paul, Jackie, and Ken) by June/July timeframe; extended abstracts were scored electronically using a template; scores were submitted by email in July for discussion at August meeting. Others who would like to serve as reviewers are invited to contact Jackie, DRSG Vice Chair, at jackie.macdonald@unc.edu

2. Ingrid, Jackie, Peg will promote student award on LinkedIn, Facebook

SRA Microbial Risk Analysis SG (MRASG) survey

Peg provided the DRSG officers a copy of a recent questionnaire that the MRASG distributed to members. may be useful to consider using to solicit additional input from DRSG members in the future

Minutes

Peg Coleman prepared and submitted draft minutes of this meeting to the participants and officers prior to posting final minutes to the DRSG listserve.

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

Teleseminar Ideas with speakers identified

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, generally recognized as safe (GRAS) issues

2. **Jamie Dewitt** (E Carolina University Medical School) on perfluoridated 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)

3. **Katya Tsaioun** (Johns Hopkins University) on validating read across on publication assessment, very qualitative; more quantitative, better extrapolation; exposure SG

4. **Jeff Gift** (US EPA) on management information system tool (MIST, http://www.ecostats.com/web/MIST) might be public in 2019; potential case studies on mixtures similarity, known tox + unknowns

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

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

Other Ideas

- Poster platforms, great potential for interactions, suggested for per-/poly-fluoroalkyl substances (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, describing what DR career paths are available; consider round table symposium or webinar; potential for joint offerings with other SGs

- What do students, post docs want to hear?

- Mentoring