DRSG Meeting, Jan 9, 2018

Patty Toccalino, Ingrid Druwe (EPA), Paul Schlosser (EPA), Jacqueline McDonald (UNC), Resha Putzrath (Navy), Divinia Ries (Michigan Dept of Environmental Quality), Shaji Theodore (FDA), Peg Coleman (Coleman Scientific Consulting), Alan Sasso (EPA)

Ingrid: possible topics for seminars in year ahead (one possible segue to symposium)

- Dose Response and Law
- Success of DR
- Systematic review and DR
- Machine Learning & SR-Translate science to decision (Jackie volunteered for this one)
- New data for use in DR; how to communicate data → Segway to symposia
- Attention to how to properly design experiments to inform DR
- Scott Auerbach- BMD Express-NIH version
- How to facilitate open data dose response health benefits- Dan Krewski, U. of Ottawa (CatReg?); Neal Fann OAQPS BenMap

Topics discussed:

Machine Learning and facilitation of open data for dose-response. High interest. Jackie McDonald agreed to present.

What is meant by 'new data for dose-response'? ToxCast, etc. Animal studies have been gold standard. How do we go about choosing new standards? Could be Paul Price. Ingrid will contact.

Dose-Response and Law: legal interpretation of dose-response, public health issues. Can include microbial and radiation. Threshold. Difference between scientific probability, legal probability, and public action (e.g., pandemics). Different statutes have different principles: precautionary, dose-response, engineering controls. Contact 'law' specialty group?

Scott Auerbach- BMD Express-NIH version? Micro-array/gene expression data?

From Alan: … a webinar series of the major approaches (discussed today) re: genomic dose response (Lyle's talk, Scott's talk, and others). This is from 2017.

https://ntp.niehs.nih.gov/about/org/sep/ntpexpertpanel/meetings/2017/index.html

These seem sufficient, but back-ups:

How to facilitate open data dose response health benefits- Dan Krewski, U. of Ottawa (CatReg?); Neal Fann OAQPS BenMap

Systematic review and DR