

GEMS Spring Meeting

Thursday, May 17th, 2018

EPA (RTP Main Campus)

*Understanding Genetic Toxicity and Carcinogenicity Across the Biological Spectrum*

**Program**

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| 8:00 - 8:45 |  | Registration |
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| 8:45 - 9:00 |  | Welcome  |
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| 9:00 - 10:00 |  | **In Vitro Hepatocyte/HepaRG Cell Assays as an Alternative to In Vivo Genetic Toxicity Testing** |
|  |  | Leslie Recio, Ph.D., DABT, Integrated Laboratory Systems, RTP |
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| 10:00 - 10:15 |  | Coffee Break  |
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| 10:15 - 11:15 |  | **Toxicity Testing of Black Cohosh Extract, a Popular Botanical, at the National Toxicology Program: from Tox21 qHTS Assays to Human Biomonitoring** |
|  |  | Stephanie Smith-Roe, Ph.D., Toxicologist, Biomolecular Screening Branch, National Toxicology Program |
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| 11:15 - 11:30 |  | Announcements |
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| 11:30 – 12:30 |  | Lunch at EPA Cafeteria |
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| 12:30 - 12:45 |  | Brainstorming Session- Membership and Sponsors |
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| 12:45 - 1:45 |  | **Animal Beacons for Human Health - Canaries in the Coal Mine, Dogs on the Couch.** |
|  |  | Matthew Breen PhD CBiol FRSB, Oscar J. Fletcher Distinguished Professor of Comparative Oncology Genetics, Dept. of Molecular Biomedical Sciences, NCSU |
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| 1:45 - 2:45 |  | **Metal Genotoxicity and Carcinogenesis in Humans and Wildlife:  Gators and Turtles and Whales - Oh My!** |
|  |  | John Pierce Wise, Sr. Ph.D., Professor of Pharmacology and Toxicology and University Scholar, Department of Pharmacology and Toxicology, School of Medicine, University of Louisville |
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| 2:45 - 3:00 |  | Closing Remarks  |