

GTA 2019 Annual Meeting Schedule: Wednesday, May 8th

Workshop: **TBD**

Chairs:

3:30 – 6:30 p.m.

Abstract:

GTA 2019 Annual Meeting Schedule: Thursday, May 9th

Breakfast and Registration

7:30 – 8:30 a.m.

Welcome and Introduction

8:30 – 8:40 a.m. Sara Hurtado, Charles River laboratories, GTA Chair

Keynote Speaker Sponsored by: TBD

8:40 – 9:40 a.m. **High Content Screening of Primary Cells from Cancer Patients to Decipher Apoptosis, Stress, Quiescence and Immunogenic Responses to Drugs.**

David Andrews, Sunnybrook Research Institute & University of Toronto

Symposium I: Case studies – Mechanistic investigations

Genotoxic impurity Management

Sponsored by: TBD

9:40 – 12:00 p.m. Chairs: Jennifer Sasaki, Denali & Jennifer Cheung, Pfizer

9:40 – 10:00 a.m. **A Case Study of Apoptosis**

Jennifer Cheung, Pfizer

10:00 – 10:20 a.m. **Coffee Break**

10:20 – 10:40 a.m. **Modified MultiFlow® Assay Suggests Black Cohosh Extract Genotoxicity is the Result of Tubulin Destabilization**

Derek Bernacki, Litron

10:40 – 11:00 a.m. **Para-chloroaniline: Lack of Evidence for Direct-DNA Reactivity**

Bob Young, Bioreliance

11:00 – 11:20 a.m. **Assessment of Potentially Genotoxic Impurities: Best Practices for Regulatory Submissions**

Andrew Goodwin, US FDA/CDER

11:20 – 11:40 a.m. **TBD**

Krista Dobo, Pfizer

11:40 – 12:00 p.m. **Different Protocols...Different Results. What to Do?** Plate incorporation vs. pre-incubation with regard to impurities

Michelle Kenyon, Pfizer

GTA 2015 Business Meeting

12:00 – 12:20 p.m.

Lunch

12:20 – 1:20 p.m.

**Symposium II: Genetic Toxicology Historical Perspectives
Ames - Past, Present and Future**

1:20 – 2:50 p.m. Chairs: Jennifer Sasaki, Denali & Jennifer Cheung, Pfizer

1:20 – 2:05 p.m. **A History of Genetic Toxicology**
Errol Zeiger, Independent Consultant

2:05 – 2:30 p.m. **Calling Ames assays – IWGT Workgroup update**
Dan Levy, FDA CFSAN

2:30 – 2:50 p.m. **Update on the OECD evaluation of the miniaturized versions of
the bacterial reverse gene mutation test**
Patricia Escobar, Merck

2:50 – 3:20 p.m. **Coffee Break**

Symposium III Inhalation Tox
Sponsored by: TBD

3:20 – 4:30 p.m. Chairs: Leon Stankowski, CRL & TBD

4:30 – 5:00 p.m. **Break**

Poster Session and Cocktails

Sponsored by: TBD

5:00 – 7:00 p.m. Presenters will be at their posters as follows:
Odd numbers from 5:00 to 6:00 p.m.
Even numbers from 6:00 to 7:00 p.m.

7:00 – 8:30 p.m. Dinner (included in the 2-day registration fee)

GTA 2019 Annual Meeting Schedule: Friday, May 10th

Breakfast and Registration

7:00 – 8:15 a.m.

Welcome to Day 2

8:15 – 8:30 a.m. Stephanie Kellum, Dupont, GTA Chair-Elect

Symposium IV: Future Directions

Sponsored by: TBD

8:30 – 9:50 a.m. Chairs: Renato Cardoso, CRL & Tetyana Kobets, NYMC

8:30 – 8:35 a.m. **Introduction**
Renato Cardoso, CRL

8:35 – 8:50 a.m. **A more humane approach to genotoxicity evaluation: HepaRG 3D culture and alternatives**
Renato Cardoso, CRL

8:50 – 9:10 a.m. **Back to the Future with 3D HepaRG Spheroids**
Stephen Ferguson, NIH/NIEHS

9:10 – 9:30 a.m. **Role of transcriptomic and epigenetic alterations for in vitro carcinogenicity testing**
Igor P. Pogribny, NCTR FDA

9:30 – 9:50 a.m. **Detecting NOELs for preneoplastic effect (DNA-binding) produced by DNA-reactive carcinogens**
Tetyana Kobets, NYMC

9:50 – 10:20 a.m. **Coffee break**
Sponsored by: TBD

10:20 – 11:00 a.m. **Award Presentations**

Symposium V: Genotoxicity of Gene Therapy Modalities

Sponsored by: TBD

11:00 – 12:15 p.m. Chairs: Zhanna Sobol, Pfizer & Maria Engel, Pfizer

11:00 – 11:05 a.m. **Introduction**
Zhanna Sobol, Pfizer

11:05 – 11:40 a.m. **CRISPR-Cas9 Gene Editing and On-Target Genomic Instability**
Michael Kosicki, Wellcome Sanger Institute

11:40 – 12:15 p.m. **AAV Vector Insertional Mutagenesis and Tumorigenicity**
Mark Sands, Washington University School of Medicine

12:15 – 1:15 p.m. Lunch – workshop?

Symposium VI: Clinical Impact of Genotoxicity Testing
Sponsored by: TBD

1:15 – 2:45 p.m. Chairs: Dan Roberts, CRL & John Nicolette, Abbvie

1:15 – 1:30 p.m. **Introduction**
Dan Roberts, CRL

1:30 – 1:55 p.m. **Advancing precision medicine and inhibitor discovery by real-time measurement of DNA repair capacity with molecular beacons**
Rob Sobol, USAMCI

1:55 – 2:20 p.m. **Evaluating carcinogenic potential of transformed CAR T cells**
Tynisha Glover, Johnson & Johnson

2:20 – 2:45 p.m. **Human blood micronucleated reticulocyte and PIG-A mutation assays: Overcoming obstacles, exploring use cases**
Stephen Dertinger, Litron Laboratories

2:45 – 3:00 p.m. Concluding remarks – Stephanie Kellum