
## NCAC-SOT Fall 2018 Symposium

# The Intersection of Predictive Toxicology Roadmaps — Tox21, FDA's Predictive Tox Roadmap, and ToxCast

**Time:** October 25, 2018, Thursday, 8:30 AM-4:30 PM

**Location:** Lister Hill Auditorium, NIH Campus, Bethesda, MD

**Directions:** The Lister Hill Center Auditorium (LHC, Building 38A) is located on the NIH main campus. Visitor parking is limited, so take public transportation if possible. The campus is located on the Red Line at the Medical Center Metro stop. Proceed to the new NIH Gateway. For more information see http://www.nih.gov/about/visitor/

**Cost:** $0 SOT Members and Non-Members; $0 Students/Post-Docs. $0 Remote participation—we'll send you the dial-in info after your free registration. General audience: Lunch on your own. Mentoring Lunch for Students and Post-Docs!

**Registration:** Online registration for in-person attendance. If you would like to listen remotely, please register here to receive dial-in information. (Please use this link whether you are an SOT member or non-member!)

**Synopsis:**

Advances in predictive toxicology methods and technologies is currently a shared effort among different federal agencies, organizations, and industries. The Toxicology in the 21st Century (Tox21) program is a federal collaboration among the EPA, FDA and NIH to develop new and efficient predictive toxicity methods for the assessment of commercial chemicals, pesticides, food additives and contaminants, and prescription drugs. Federal agency efforts include the FDA's implementation of a Predictive Toxicology Roadmap for integrating emerging predictive toxicology methods into regulatory safety and risk assessments and the EPA's development of ToxCast, which uses high-throughput screening methods and computational toxicology approaches to screen, evaluate and prioritize chemicals. Predictive toxicology innovations in the Tox21 program are also contributed by new methods and technologies developed by industries for consumer products, chemicals and drugs. This day-long symposium seeks to provide an

overview of how the goals and strategies of Tox21, FDA's Predictive Toxicology Roadmap, and ToxCast intersect and how partnerships between federal agencies, industries, and stakeholders can advance the progress of predictive toxicology methods and technologies.

## Agenda

| Time | Topic | Speaker |
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| 8:30 – 9:00 am | Arrival/ Registration | |
| 9:00 – 9:15 am | Welcome/Introduction | Emily Madden, Senior Toxicologist, ToxServices |
| 9:15 – 9:45 am | Predictive Toxicology and FDA's Predictive Toxicology Roadmap | Suzanne Fitzpatrick, Senior Advisor for Toxicology, Senior Science Advisory Staff, Center for Food Safety and Applied Nutrition (CFSAN), U.S. Food and Drug Administration (FDA) |
| 9:45 – 10:15 am | Application of Machine Learning Cheminformatics to the Design of Green(er) Chemicals | Craig Rowlands, Underwriters Laboratories |
| 10:15 – 10:45 am | Break | |
| 10:45 – 11:15 am | Using the 3Rs Principle and Technology to Navigate the Predictive Toxicology Roadmap | Norman C. Peterson, Director, Veterinary Sciences, MedImmune |
| 11:15-11:30 am | Questions | |
| 11:30 am – 1:15 pm | Lunch: Cafeteria is on the floor below LHC auditorium.<br><br>Mentoring Lunch for Students | General audience: Lunch on your own.<br><br>Participants in the mentoring luncheon will meet at the lobby area to receive boxed lunches and to join the activity. |
| 1:15 – 1:45 pm | Examples of the Value of Partnering with the US FDA in Toxicology | Paul Brown, ODE Associate Director for Pharmacology and Toxicology, Office of New Drugs Center for Drug Evaluation and Research (CDER), U.S. Food and Drug Administration (FDA) |
| 1:45 – 2:15 pm | Integrating Alternative Methods for Safety Assessment at FDA's Center for Devices and Radiological Health | Peter Goering, Deputy Director, Division of Biology, Chemistry and Material Sciences, Office of Science and Engineering Laboratories, Center for Devices and Radiological Health (CDRH), U.S. Food and Drug Administration (FDA) |
| 2:15 – 2:30 pm | Questions | |
| 2:30 – 3:00 pm | Break | |

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| 3:15 – 3:45 pm | Modernizing Predictive Toxicology for Regulatory Decisions: Influx of Modern Non-animal Testing Technologies and Strategies | Gertrude-Emilia Costin, Senior Toxicologist, Study Director, Institute for In Vitro Sciences, Inc. |
| 3:45 – 4:15 pm | Title pending | Reeder Sams, Deputy Director (Acting), National Center for Computational Toxicology, Office of Research and Development, U.S. EPA |
| 4:15 – 4:30 pm | Panel Questions/Discussion and Closing Remarks | Emily Madden, Senior Toxicologist, ToxServices |

# Logistics

**Lister Hill Center Auditorium (LHC):**

- **Attendees are prohibited from bringing food and drink, including all water bottles, into the auditorium.**
- A conference microphone is located at each table position in the lower section and can be activated by pressing the "MIC" button. A red ring will light up when the microphone is active. Only 6 microphones can be active at one time. Press the "MIC" button again to turn the microphone off when finished speaking.

**Security:**

All NIH visitors must go through a security clearance at the new NIH Gateway Center to receive a visitor's badge. Visitors may be required to pass through a metal detector and have bags/purses inspected or x-rayed. All visitors must present a government-issued photo ID to enter the campus.

**Public Transportation:**

The Washington D.C. Metrorail system has a station on the NIH campus called "Medical Center." Upon exiting the station, it is a short walk to the NIH campus shuttle, which will take you to NIH buildings on the main campus and in Rockville.

Metrorail service is available from Ronald Reagan Washington National Airport and from Union Station (railway). Take Metro's Red Line to the Medical Center Station.

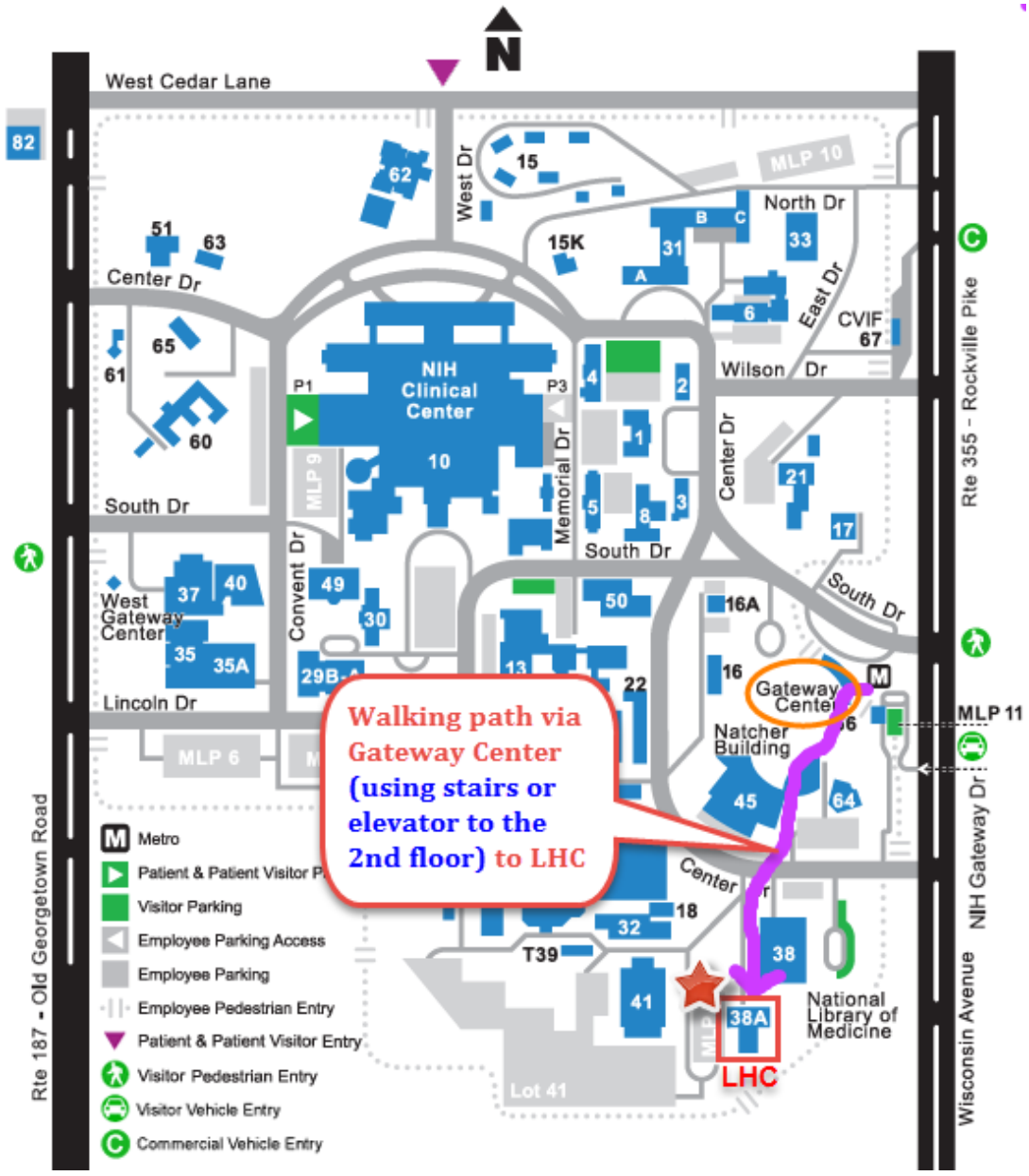
For more information, visit Washington Metropolitan Area Transit Authority and NIH Campus Shuttle Schedules

**Directions:**

The Lister Hill Center Auditorium (LHC, Building 38A) is located on the NIH main campus. Visitor parking is limited, so take public transportation if possible. The campus is located on the Red Line at the Medical Center Metro stop. Proceed to the new NIH Gateway.

For more information see http://www.nih.gov/about/visitor/

# NIH Main Campus Map




Visitors should arrive by Metro or plan to park in the MLP11 parking lot and enter through the Gateway Center. (There is NO CAMPUS PARKING available for this meeting.) Please plan for at least 30 minutes at the Gateway Center in case of possible delays. Additional security information, including identification requirements and restricted items, is available on the NIH Visitor Website at: https://www.nih.gov/about-nih/visitor-information

Campus shuttle service is available from the Gateway Center to the Lister Hill Center Auditorium (LHC, Building 38A). The NIH Campus (Red Line) shuttle departs from the Gateway Center/Metro entrance about every 15 minutes. Transit time to the LHC is

approximately 21 minutes. For additional information, consult the NIH shuttle website at: https://www.ors.od.nih.gov/pes/dats/nihshuttleservices/Pages/shuttle.aspx