

A Toxicology User's Guide to the Roadmap Epigenomics and ENCODE Data Resources (SOT 2016 Satellite Meeting)

Agenda

- 1:00 – 1:30 p.m. **Epigenomics Data Resources and Why They Matter to Toxicologists** – Shaun McCullough (US EPA)
- 1:00 – 1:30 p.m. **The NIH Roadmap Epigenomics Program – A Community Epigenomics Resource** – Lisa Chadwick (NIEHS)
- 2:30 – 3:00 p.m. **The Encyclopedia of DNA Elements (ENCODE): Using ENCODE Data to Interpret Disease-associated Genetic Variation** – NHGRI staff
- 3:00 – 3:15 p.m. Break
- 3:15 – 3:45 p.m. **Visualizing, Navigating, and Interpreting the Data in the Human Epigenome Roadmap** – Ting Wang (Washington University at St. Louis)
- 3:45 – 4:15 p.m. **The ENCODE Element Browser and the 3D Genome Browser** – Feng Yue (Penn State University)
- 4:15 – 4:45 p.m. **Genome-wide Studies of Toxic Chemical Impacts on Chromatin State** – Terrance Furey (University of North Carolina at Chapel Hill)
- 4:45 – 6:00 p.m. **Hands-on demonstrations of ways to navigate and use Roadmap and ENCODE data in your own research** – Ting Wang (Washington University at St. Louis), Feng Yue (Penn State University), ENCODE DCC staff (Stanford University)