

AGM Workshop on DNA-Encoded Libraries for Lead Discovery

September 1, 2021 – September 2, 2021
Virtual (All times are in ET)

AGENDA: Day 1

- 12:30 PM **Opening Remarks**
Anton Simeonov, National Center for Advancing Translational Sciences (NCATS), National Institutes of Health (NIH)
- 12:45 PM **Introduction and Overview of Workshop**
Timothy L. Foley, Pfizer Inc.
- 1:00 PM **Opening Talk: DNA-Encoded Chemical Libraries: From the Bench to the Clinic**
Dario Neri, ETH Zürich and Philogen
- 1:40 PM **Session I: Chemistry**
Chair: Timothy L. Foley, Pfizer Inc.
- 1:40 PM **Design Concepts for DNA-Encoded Libraries**
Christopher D. Hupp, X-Chem Pharmaceuticals
- 2:20 PM **Expanding the Chemical Space for DNA-Encoded Libraries**
Yun Ding, GlaxoSmithKline
- 3:00 PM **Break**
- 3:30 PM **Session II: Selection**
Chair: David Israel, HitGen Inc.
- 3:30 PM **Getting Proteins Ready for DEL Selections**
Tracy Qiuxia Chen, HitGen Inc.
- 4:10 PM **DNA Encoded Library Technology as a Powerful Engine for Hit Identification in Early Drug Discovery**
Svetlana Belyanskaya, Anagenex
- 5:00 PM **Virtual Happy Hour – Great Moments in DEL History**
Hosted by Barry Morgan, HitGen Inc.

AGENDA: Day 2

- 12:15 PM **NCATS Assay Guidance Manual: Setting the Standard for Rigor in Translational Science**
Sarine Markossian, NCATS, NIH
- 12:30 PM **Session II: Selection - Continued**
Chair: David Israel, HitGen Inc.
- 12:30 PM **Quantitative Sequencing of DEL Sample**
Letian Kuai, WuXi AppTec
- 1:10 PM **Session III: Data Analysis**
Chair: Lisa Marcaurelle, GlaxoSmithKline
- 1:10 PM **Beyond the Cube: Informatics Methods for Best Practices in DEL Analysis**
Paul Novick, Nurix Therapeutics
- 1:50 PM **DEL Screen Triage Strategies Toward Tractable Chemical Matter**
Justin I. Montgomery, Pfizer Inc.
- 2:30 PM **Break**
- 3:00 PM **Session III: Data Analysis- Continued**
Chair: Lisa Marcaurelle, GlaxoSmithKline
- 3:00 PM **Strategies for Hit to Lead Optimization: Common Tactics Applied to DNA-Encoded Library (DEL) Derived Hits**
Gang Yao, GlaxoSmithKline
- 3:40 PM **Panel Discussion: Emerging Trends and Technological Advances**
Chair: Gwenn Hansen, Nurix Therapeutics
Panelists: Brian M. Paegel, University of California, Irvine; Jeff Messer, GlaxoSmithKline; Ryan Potts, Amgen Inc.
- Short Talks:**
Advancing the Discovery of Targeted Protein Modulators Using a DEL Technology Platform - Gwenn Hansen, Nurix Therapeutics
Activity-Based DEL Technology - Brian M. Paegel, University of California, Irvine
DNA Encoded Libraries and Interpretable ML for Hit Triage - Jeff Messer, GlaxoSmithKline
Induced Proximity Medicines: *the next generation of drug discovery* - Ryan Potts, Amgen Inc.
- 5:15 PM **Adjourn**