



National Institute of
Environmental Health Sciences



Population-based Rodent Resources for Environmental Health Sciences Meeting

Wednesday, March 18 • 8:30 a.m. – 6:00 p.m.

Thursday, March 19 • 8:30 a.m. – 4:30 p.m.

NIEHS Building 101, Rodbell Auditorium

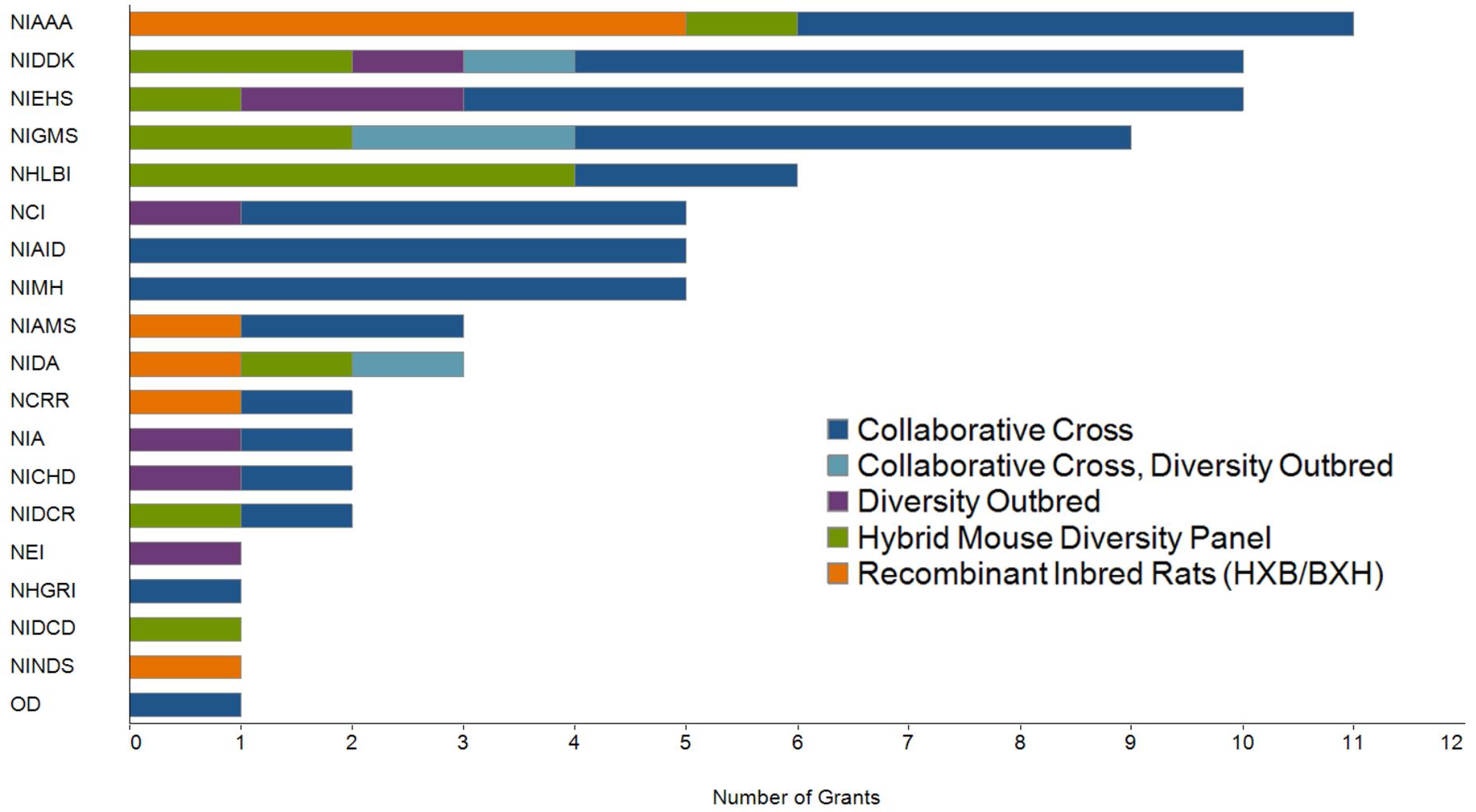
Meeting Co-chairs: Kimberly McAllister, Ph.D., and Rick Woychik, Ph.D.

Why a Meeting on Population-Based Rodent Resources? (Background):

- Supports NIEHS Strategic Plan Goal 1
 - Key Recommendation from Predictive Toxicology and Disease Cross-Divisional Implementation Team
- Leverages NIEHS investment and Interest in Collaborative Cross, Mouse Resequencing Project, and many G x E rodent projects
- Strong interests from extramural and intramural NIEHS, NTP, EPA, as well as NCI (Cheryl Marks and colleagues), NIDA (Jonathan Pollock and colleagues), NIAID, NIMH, and other NIH Institutes



Population-Based Rodent Resource Grants across NIH Institutes





Challenge: Under-Utilization of these Resources in the Environmental Health Science and Toxicology Fields

- *Lack of recognition/awareness of the uses/utility
- *Questions related to the logistics of use of these resources
- * Issues associated with NIH Study Section review

Goals:

- Stimulate the potential use of these new powerful rodent resources in the environmental health science field.
- Unite researchers with expertise in using these resources with ES/Tox researchers with interest in applying these resources
- Highlight the different uses of these resources and discuss opportunities and challenges



Agenda Overview:

***Initial Session: Overview of Mouse/Rat Resources**

***Session II: Diverse Applications**

***Session III: Poster Session**

Session IV: Computational Tools and Analyses

Session V: Disease Applications

Session VI: Breakout Groups



Plans & Next Steps:

Primary Outcome:

*a published paper that would highlight opportunities available to environmental health scientists for beginning to utilize some of the emerging population-based mouse resources to model environmental exposures and gene-environment interactions in human disease.

Secondary Outcome:

- *Promote collaborations
- *Launch future initiative ideas and projects



Thank You to Planning Committee:

- Rick Woychik
- David Dix
- Warren Casey
- Paul Foster
- Michael Devito
- Nigel Walker
- Rick Paules
- John Bucher
- Keith Shockley
- June Dunnick
- Jonathan Hollander
- Sri Nadadur
- Daniel Shaughnessy
- David Balshaw
- Fred Tyson
- Leroy Worth
- Lisa Chadwick
- Jef French
- Ray Tice
- Cindy Lawler
- Robbie Majors
- Whitney Freberg
- Kerri Moran
- Lesley Skalla