

# FOSTERING RIGOROUS RESEARCH:

## *Lessons Learned from NHP Models and Charting the Path Forward*

February 18-19, 2020  
Room 620/630, Porter Neuroscience Research Center  
National Institutes of Health, Bethesda Campus

## AGENDA

### FEBRUARY 18: LESSONS LEARNED FROM NON-HUMAN PRIMATE (NHP) RESEARCH

**9:00 AM**      **Opening Keynote**

Steve Hyman, MD – Harvard University and the Broad Institute

**9:30 AM**      **Session I: Ensuring Rigorous Study Design**

*Discuss lessons learned and generalizable approaches across scientific disciplines and experimental aims regarding rigorously designed and conducted research studies using NHP models.*

**Moderator:** Bill Newsome, PhD – Stanford University

**Panelists:**

- Simon Barratt-Boyes, BVSc, PhD, DACVIM – University of Pittsburgh
- Melanie Graham, MPH, PhD – University of Minnesota
- Jeffrey Kordower, PhD – Rush University
- Dave O'Connor, PhD – University of Wisconsin – Madison

**10:15 AM**      **Session I Discussion**

**11:00 AM**      **Break**

**11:15 AM**      **Session II: Considering External Factors and Interpretation of Findings**

*Discuss approaches for addressing the intersection of species selection, ethological considerations, biological outcomes, and other external factors in study design, and how these factors may affect interpretation of study findings when using NHP models.*

**Moderator:** Steven Schapiro, PhD – University of Texas MD Anderson Cancer Center

**Panelists:**

- Corrine Lutz, PhD – Texas Biomedical Research Institute
- Mark Prescott, PhD – National Centre for the Replacement, Refinement and Reduction of Animals in Research, United Kingdom
- Toni Ziegler, PhD – University of Wisconsin – Madison

- 11:50 AM      Session II Discussion**
- 12:35 PM      LUNCH**
- 1:45 PM      Session III: Reporting Results and Sharing Data**  
*Identify opportunities for maximizing data/metadata sharing from NHP research studies, including considerations around research culture and infrastructure needed for ensuring data quality and replication of study design.*  
**Moderator:** Kelly Metcalf Pate, DVM, PhD – Johns Hopkins University  
**Panelists:**
- Tony Movshon, PhD – New York University
  - Jeffrey Rogers, PhD – Baylor College of Medicine
  - Koen Van Rompay, DVM, PhD – University of California, Davis
- 2:20 PM      Session III Discussion**
- 3:05 PM      BREAK**
- 3:20 PM      Day 1 Wrap-Up Discussion: Lessons Learned and Generalizable Strategies**  
**Moderator:** Lyric Jorgenson, PhD – National Institutes of Health  
**Discussants:**
- Steve Hyman, MD – Harvard University and the Broad Institute
  - Bill Newsome, PhD – Stanford University
  - Kelly Metcalf Pate, DVM, PhD – Johns Hopkins University
  - Steven Schapiro, PhD – University of Texas MD Anderson Cancer Center
- 4:45 PM      Summary Remarks and Adjournment**  
 Carrie Wolinetz, PhD – National Institutes of Health

## **FEBRUARY 19: LOOKING TO THE FUTURE**

- 9:00 AM      Session IV: Research Opportunities and Challenges in the 21<sup>st</sup> Century**  
*Discuss technological advances or transformative breakthroughs on the horizon that may pose new scientific and ethical challenges to the design or conduct of rigorous research studies.*  
**Moderator:** Margaret Foster Riley, JD – University of Virginia School of Law  
**Panelists:**
- Don Conrad, PhD – Oregon Health & Science University
  - Robert Desimone, PhD – Massachusetts Institute of Technology
  - Margaret Landi, VMD, DipACLAM, MBioethics – GlaxoSmithKline

**9:20 AM**      **Session IV Discussion**

**10:05 AM**      **BREAK**

**10:20 AM**      **Session V: Strategies for the Future**

*In light of opportunities and challenges on the horizon, discuss generalizable strategies for continuing to maximize the value of NHP studies through preparatory strategies:*

- *Designing studies to facilitate translation*
- *Mitigating ethical considerations by incorporating evidence-based approaches*
- *Identifying cross-discipline competencies for ensuring robust research training paths*
- *Ensuring robust animal well-being and welfare science*

**Moderator:** Eliza Bliss-Moreau, PhD – University of California, Davis

**Panelists:**

- Kristine Coleman, PhD – Oregon Health & Science University
- Joseph Garner, DPhil – Stanford University
- John Morrison, PhD – University of California, Davis

**10:40 AM**      **Session V Discussion**

**11:25 AM**      **Day 2 Wrap-Up Discussion: Charting the Path Forward**

**Moderator:** Lyric Jorgenson, PhD – National Institutes of Health

**Discussants:**

- Eliza Bliss-Moreau, PhD – University of California, Davis
- Margaret Foster Riley, JD – University of Virginia School of Law
- Bill Newsome, PhD – Stanford University
- Kelly Metcalf Pate, DVM, PhD – Johns Hopkins University
- Steven Schapiro, PhD – University of Texas MD Anderson Cancer Center

**12:25 PM**      **Concluding Remarks**

Carrie Wolinetz, PhD – National Institutes of Health

**12:30 PM**      **Adjourn**