

# OPTIMAL USE OF MICE AND RATS IN AGING RESEARCH

DECEMBER 10-11, 2019  
LISTER HILL AUDITORIUM  
BETHESDA, MD



# AGENDA

## DAY 1 - TUESDAY, DECEMBER 10, 2019

9:00 am - 9:15 am **Welcome and charge for the meeting**

- *Francesca Macchiarini (National Institute on Aging) and Richard Miller (University of Michigan)*

9:15 am - 10:30 am **Scientific framework: Three different views**  
(20 min presentation plus 15 min discussion)

- *Andrzej Bartke (Southern Illinois University)*
- *Richard Miller (University of Michigan)*
- *Arlan Richardson (University of Oklahoma Health Sciences Center)*

10:30 am - 10:45 am **BREAK**

10:45 am - 11:30 am **Mouse and rat models for important human late-life diseases**  
(20 min presentations)

- *Catherine Kaczorowski (The Jackson Laboratory)*
- *Cliff Rosen (Maine Medical research Center Institute)*

11:30 am - 12:30 pm **LUNCH**

12:30 pm - 1:30 pm **Mouse and rat models for important human late-life diseases**  
**(cont.)**

- (20 min presentations plus 20 min discussion)
- *Christiaan Leeuwenburgh (University of Florida)*
- *Holly Van Remmen (Oklahoma Medical Research Foundation)*

1:30 pm - 2:10 pm **Husbandry of aging rodents: best practices**  
(25 min presentation plus 15 min discussion)

- *Kathy Perdue (National Institute on Aging)*

2:10 pm - 2:25 pm **BREAK**

- 2:25 pm - 3:40 pm **Selection of species, strain, and sex: impact on endpoints of interest to aging researchers**  
(20 min presentations plus 15 min discussion)
- *Rafa de Cabo (National Institute on Aging)*
  - *Rob Williams (University of Texas Health Science Center)*
  - *Richard Miller (University of Michigan)*

- 3:40 pm - 5:00 pm **Husbandry and testing conditions**  
(20 min presentations plus 20 min discussion)
- *Karen Svenson (The Jackson Laboratory)*
  - *Karyn Esser (University of Florida)*
  - *Angela King-Herbert (National Institute of Environmental Health Sciences)*

**Adjourn**

## **DAY 2 - WEDNESDAY, DECEMBER 11, 2019**

- 9:00 am - 10:15 am **Veterinary care and regulatory issues for aging and aged mice and rats**  
(20 min presentations plus 15 min discussion)
- *Bonnie Lyons (The Jackson Laboratory)*
  - *Warren Ladiges (University of Washington)*
  - *William King (University of Michigan)*

10:15 am - 10:30 am **BREAK**

- 10:30 am - 11:20 am **Successes and failures of recent attempts for standardization**  
(20 min presentations plus 10 min discussion)
- *Randy Strong (University of Texas Health Science Center)*
  - *Sue Bodine (University of Iowa)*

- 11:20 am - 12:00 pm **Summary and open discussion**  
(40 min)
- *John Sedivy (Brown University) with program participants & attendees*