



Improving Preclinical Translation of Alzheimer's Disease Research

October 22-26, 2018

Draft Workshop Schedule – Subject to Change

Sunday, October 21st

PM

4:00 **Registration and Welcome Reception**

5:00 **Faculty and Participant Introductions**

6:30 **Welcome Banquet Dinner**

Monday, October 22nd

AM

7:00 **Breakfast**

8:30 **Welcome and Meeting Overview**

9:00 **Lecture: NIA Translational Programs Overview**

Suzana Petanceska, Ph.D., Program Officer, NIA

10:00 **Lecture: Alzheimer's Disease Preclinical Efficacy Database (AlzPED)**

Larry Refolo, Ph.D., Alzheimer's Drug Development Program, NIA

11:00 **Coffee Break**

11:30 **Lecture: Drug Discovery and Development Process Overview**

Dave McKinzie, Ph.D., Indiana University School of Medicine

PM

12:30 **Lunch**

1:30 **Lecture: Preclinical Statistics – Appropriate Analysis and Sample Size Calculations**

Vivek Phillip, Ph.D., The Jackson Laboratory

2:30 **Lecture: Pharmacokinetics**

Sara Quinney, Ph.D., Indiana University School of Medicine

3:30 **Coffee Break**

4:00 **Lecture: Pharmacodynamics**

Paul Territo, Ph.D., Indiana University School of Medicine

6:30 **Dinner**

Tuesday, October 23rd

AM

7:00 **Breakfast**

8:00 **Transportation to Main Laboratory**

8:30 **Hands-On Laboratory Session: Biomethods Training**

Kristin Cough, B.D., The Jackson Laboratory

PM

12:00 **Lunch**

1:00 **Hands-On Laboratory Session: Prep for *in vivo* PK Study – Blinding, Randomization and Technical Application of the ARRIVE Guidelines**

Stacey Rizzo, Ph.D., The Jackson Laboratory

4:00 **Transportation to Highseas**

4:30 **Lecture: The Evolution of Leviteracetam from Seizure Drug to AD Treatment**

Sharon Rosenzweig-Lipson, Ph.D., AgeneBio™

6:30 **Dinner**

7:30 **Town Hall Discussion**

Wednesday, October 24th

AM

7:00 **Breakfast**

8:00 **Transportation to Main Laboratory**

8:30 **Hands-On Laboratory Session: *In Vivo* Dosing and Serial Blood Collections**

MODEL-AD Preclinical Testing Core Investigators and JAX CBA Staff

PM

- 12:30 **Lunch**
- 1:30 **Continuation of *In Vivo* Dosing and Serial Blood Collections**
- 3:00 **Transportation to Highseas**
- 3:30 **Lecture: Bioanalytical-Interpreting Results from PK Studies**
Andi Masters, M.D., Indiana University School of Medicine
- 4:30 **Lecture: PK/PD Modeling**
Sara Quinney, Ph.D., Indiana University School of Medicine
- 6:00 **Dinner**
- 7:00 **Town Hall Discussion**

Thursday, October 25th

AM

- 7:00 **Breakfast**
- 8:00 **Transportation to Main Laboratory**
- 8:30 **Hands-On Laboratory Session: Terminal Cerebrospinal Fluid and Brain Tissue Collection**
MODEL-AD Preclinical Testing Core Investigators and JAX CBA Staff

PM

- 12:30 **Lunch**
- 1:15 **Transportation to Highseas**
- 1:30 **Lecture: Translational Pharmacology: *In Vivo* PET/MR Imaging**
Paul Territo, Ph.D., Indiana University School of Medicine
- 3:00 **Lecture: The Intersection of Clinical and preclinical AD Genetics**
Greg Carter, Ph.D., The Jackson Laboratory
- 4:00 **Coffee Break**
- 4:30 **Lecture: The MODEL-AD Consortium**
Gareth Howell, Ph.D., The Jackson Laboratory
- 5:30 **Lecture: New Mouse Models Resources for AD**
Michael Sasner, Ph.D., The Jackson Laboratory
- 6:30 **Dinner**
- 7:30 **Town Hall Discussion**

Friday, October 26th

AM

7:00

Breakfast

7:30

Optional CBA Tour

9:30

Lecture: Behavioral Pharmacology for Preclinical Testing in AD: Lessons Learned and Path Forward

Stacey Rizzo, Ph.D., The Jackson Laboratory

10:30

Coffee Break

11:00

Interactive Statistics Practicum – Retrospective Analysis of Literature Data

Vivek Phillip, Ph.D., The Jackson Laboratory

PM

12:30

Lunch

1:30

Experimental Design Practicum

Courses Organizers and Select Workshop Faculty

5:00

Adjourn and Dinner on Your Own

Saturday, October 27th

AM

7:00

Breakfast

9:00

Highseas Check Out