



Principles and Techniques for Improving Preclinical Translation in Alzheimer's Disease

May 8-12, 2023

Schedule Subject to Change

Sunday, May 7th

3:00 pm Arrivals (Highseas Conference Center)

5:00 pm Social Hour & Welcome (Highseas 1st floor)

6:00 pm Dinner

Monday, May 8th

7:30 Breakfast (Highseas 1st floor)

8:30 **Welcome and Course overview** (Highseas 3rd floor)
Stacey Rizzo, Ph.D., University of Pittsburgh School of Medicine

9:00 **NIA Translational Programs**
Suzana Petanceska, Ph.D., NIH, National Institute on Aging
Lorenzo Refolo, Ph.D., NIH, National Institute on Aging

9:45 **MODEL-AD Overview**
Mike Sasner, Ph.D., The Jackson Laboratory

10:15 **MODEL-AD BDMC**
Greg Carter, Ph.D., The Jackson Laboratory

11:15 **MODEL-AD DMP**
Gareth Howell, Ph.D., The Jackson Laboratory

12:00 Lunch (Highseas 1st floor)

1:00 **MODEL-AD PTC**
Stacey Rizzo, Ph.D., University of Pittsburgh School of Medicine
Paul Territo, Ph.D., Indiana School of Medicine

- 2:30 Break
- 3:00 **Breakout and brainstorm session: The right model for the right experiment**
Gareth Howell, Ph.D., The Jackson Laboratory
- 4:00 **Drug Discovery Roadmap – from Idea to Drug Approval**
Stacey Rizzo, Ph.D., University of Pittsburgh School of Medicine
- 5:00 **Wine and Cheese Reception** (Highseas 1st floor)
- 6:00 **Lobster Dinner**
- 7:30 **Town Hall Meeting** (Highseas Living Room)
Topic: Research Integrity

Tuesday, May 9th

- 7:30 Breakfast (Highseas 1st floor)
- 7:45 **Transportation to GRB Training Laboratory** (Meet in Highseas lobby)
- 8:00 **Hands-on Laboratory Session: Biomethods Training** (Required)
Angela Begin, MLAS, LVT, RLATg, Benjamin Carter, Travis Burpee, The Jackson Laboratory
Restraint, IP, SC and PO dosing (and specific related restraints), Serial tail bleeds, Cheek bleed (submandibular), Ear notching, Perfusion (without pump), Fresh catch fecals (for microbiome), p-chipping
- 11:45 **Transportation to Highseas** (Pick up in GRB Training Lab)
- 12:00 **Lunch** (Highseas 1st Floor) Tissue Vision Sponsored possible
- 1:00 **Multi-omics approaches in AD and as tools for therapeutic discovery**
Nick Seyfried, Ph.D., Emory University
- 2:00 **Mouse Models Resources, Nomenclature and Tools (cre, tet, KOMP, MGI) & AlzForum Resources**
(Highseas 3rd Floor)
Mike Sasner, Ph.D., The Jackson Laboratory
- 3:00 Break
- 3:30 **Biomarkers, Enabling Drug Discovery, Clinical Development and Personalized Medicine**
Jeffrey L. Dage, Ph.D., Indiana University School of Medicine (virtual)
- 4:30 **TREAT-AD**
Alan Palkowitz, Ph.D., Indiana University School of Medicine (virtual)
- 5:30 **Dinner** (Highseas 1st floor)
- 7:00 **Mouse Explorer Demo, AD Knowledge Portal, R Demo/Practicum**
Abby Vander Linden, Ph.D., Sage Bionetworks

Wednesday, May 10th

- 7:30 **Breakfast** (Highseas 1st floor)
- 8:15 **Group 1: Transportation to GRB Training Laboratory** (Meet in Highseas lobby)
- 8:30 **Group 1: Lab Practicum: ARRIVE Guidelines in Experimental Design Hands-on Laboratory Session: In Vivo Dosing and Serial Blood Collections** (GRB Training Laboratory)
Stacey Rizzo, Ph.D., University of Pittsburgh School of Medicine and MODEL-AD PTC Staff
- 11:15 **Group 2: Transportation to GRB Training Laboratory** (Meet in Highseas lobby)
- 11:30 **Groups 1 & 2: Lunch** (Roscoes)
- 12:30 **Group 1: Transportation to Highseas**
- 12:30 **Group 2: Lab Practicum: ARRIVE Guidelines in Experimental Design Hands-on Laboratory Session: In Vivo Dosing and Serial Blood Collections** (GRB Training Laboratory)
Stacey Rizzo, Ph.D., University of Pittsburgh School of Medicine and MODEL-AD PTC Staff
- 3:30 **Group 2: Transportation to Highseas**
- 4:00 **PK/PD Modeling Lecture and Practicum**
Sara Quinney, Ph.D., Indiana University (virtual)
Paul Territo, Ph.D., Indiana University
- 5:30 **Dinner** (Highseas 1st floor)
- 7:00 **Town Hall Meeting** (Highseas Living Room)

Thursday, May 11th

- 7:30 **Breakfast** (Highseas 1st floor)
- 8:45 **Group 1: Transportation to GRB Training Laboratory** (Meet in Highseas lobby)
- 9:00 **Group 1: Hands-on Laboratory Session: Terminal Cerebrospinal Fluid and Brain Tissue Collection, Perfusion demo/practice** (GRB Training Laboratory)
Stacey Rizzo, Ph.D., University of Pittsburgh School of Medicine and MODEL-AD PTC Staff
- 11:15 **Group 2: Transportation to GRB Training Laboratory** (Meet in Highseas lobby)
- 11:30 **Groups 1 & 2: Lunch** (Roscoes)
- 12:30 **Group 1: Transportation to Highseas**
- 12:30 **Group 2: Hands-on Laboratory Session: Terminal Cerebrospinal Fluid and Brain Tissue Collection, Perfusion demo/practice** (GRB Training Laboratory)
Stacey Rizzo, Ph.D., University of Pittsburgh School of Medicine and MODEL-AD PTC Staff
- 3:00 **Group 2: Transportation to Highseas**
- 3:30 **Translational Pharmacology: *In Vivo* PET/MR** (Highseas 3rd floor)
Paul Territo, Ph.D., Indiana School of Medicine

6:00 **Dinner** (Highseas 1st floor)

7:00 **AD Therapeutics** (Highseas 3rd floor)
Pascal Sanchez, Ph.D., Denali Therapeutics

Friday, May 12th

7:30 **Breakfast** (Highseas 1st floor)

8:30 **Translational Approaches for Studying Human Behaviors in Animal Models: MODEL-AD & MARMO-AD**
Stacey Rizzo, Ph.D., University of Pittsburgh School of Medicine

9:30 **Human Genetic Diversity** (Highseas 3rd floor)
Lisa Barnes, Ph.D., Rush University (virtual)

10:30 Break

11:00 **Genetic Diversity in Modeling AD**
Kristen Onos, Ph.D., The Jackson Laboratory

12:00 **Lunch** (Highseas 1st floor)

1:00 **Preclinical Statistics (Interactive workshop session)**
Vivek Phillip, Ph.D., The Jackson Laboratory

2:00 **Alzheimer's Association Funding Programs**
Stefania Forner, Alzheimer's Association

3:00 Break

3:30 **Alzheimer's Disease Preclinical Efficacy Database**
Shreaya Chakroborty, Ph.D., NIH, National Institute on Aging

4:30 **NIA Resources and Opportunities**
Maria Carranza, Ph.D., Training Officer (virtual)
Office of Strategic Extramural Programs (OSEP)
National Institute on Aging

6:00 **Dinner on your own**

Saturday, May 13th

7:00 Breakfast

9:00 Departures (Room check-out is 9:00am)