



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

May 6-10, 2024

Schedule Subject to Change

Sunday, May 5th

- 3:00 pm Arrivals (Highseas Conference Center)
- 5:00 pm Social Hour & Welcome (Highseas 1st floor)
- 6:00 pm Dinner

Monday, May 6th

- 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 for AD/ADRD**
Suzana Petanceska, Ph.D., NIH, National Institute on Aging
Lorenzo Refolo, Ph.D., NIH, National Institute on Aging
- 9:45 **MODEL-AD Overview – Disease Modeling Project**
Mike Sasner, Ph.D., The Jackson Laboratory
- 10:45 **MODEL-AD Preclinical Testing Core**
Stacey Rizzo, Ph.D., University of Pittsburgh School of Medicine
Paul Territo, Ph.D., Indiana School of Medicine
- 12:00 Lunch (Highseas 1st floor)
- 1:00 **Mouse Models Resources, Nomenclature and Tools (cre, tet, KOMP, MGI) & AlzForum Resources** (Highseas 3rd Floor)
Mike Sasner, Ph.D., The Jackson Laboratory
- 2:30 Break
- 3:00 **Mouse Explorer Demo, AD Knowledge Portal, R Demo/Practicum**
Abby Vander Linden, Ph.D., Sage Bionetworks

- 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 **AD Therapeutics** (Highseas 3rd floor)
Frank Longo, M.D., Ph.D., Stanford University

Tuesday, May 7th

- 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 **MODEL-AD Bioinformatics and Data Management Core**
Greg Carter, Ph.D., The Jackson Laboratory
- 2:00 **Multi-omics approaches in AD and as tools for therapeutic discovery**
Nick Seyfried, Ph.D., Emory University
- 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 **PK/PD Modeling Lecture and Practicum**
Sara Quinney, Ph.D., Indiana University (virtual)
Paul Territo, Ph.D., Indiana University
- 5:45 **Dinner** (Highseas 1st floor)
- 7:00 **Town Hall Meeting**

Wednesday, May 8th

- 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 **Translational Pharmacology: *In Vivo* PET/MR** (Highseas 3rd floor)
Paul Territo, Ph.D., Indiana School of Medicine
- 5:30 **Dinner** (Highseas 1st floor)
- 7:00 **Breakout and brainstorm session: The right model for the right experiment**
Gareth Howell, Ph.D., The Jackson Laboratory

Thursday, May 9th

- 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 **TREAT-AD**
Aled Edwards, Structural Genomics Consortium, Emory/Sage/SGC/JAX TREAT-AD
- 6:00 **Dinner** (Highseas 1st floor)
- 7:00 **Town Hall Meeting**

Friday, May 10th

- 7:30 **Breakfast** (Highseas 1st floor)
- 8:30 **Translational Approaches for Studying Human Behaviors in Animal Models: MODEL-AD & MARMO-AD** (Highseas 3rd Floor)
Stacey Rizzo, Ph.D., University of Pittsburgh School of Medicine
- 9:30 **Social Determinants of Health & Disparities in AD Research** (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 (AlzPED)**
Jaya Viswanathan, Ph.D., NIH, National Institute on Aging
- 4:30 **NIA Resources and Opportunities**
Laura Major, Dr.P.H., Training Officer (virtual)
Office of Strategic Extramural Programs (OSEP)
National Institute on Aging
- 6:00 **Dinner on your own**

Saturday, May 11th

- 7:00 Breakfast
- 9:00 Departures (Room check-out is 9:00am)