



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

May 19-23, 2025

Schedule Subject to Change

Sunday, May 18th

3:00 pm Arrivals (Highseas Conference Center)

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

6:00 pm Dinner

Monday, May 19th

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**
Adrian Oblak, PhD, Indiana University School of Medicine

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 **Multi-omics approaches in AD and as tools for therapeutic discovery**
Nick Seyfried, Ph.D., Emory University

4:00 **Drug Discovery Roadmap – from Idea to Drug Approval**
Stacey Rizzo, Ph.D., University of Pittsburgh School of Medicine

5:00 **Intro for Group Activity: The right model for the right experiment**
Gareth Howell, Ph.D., The Jackson Laboratory

5:30 **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 20th

7:00 Breakfast (Highseas 1st floor)

7:45 **GROUP A - Transportation to GRB Training Laboratory** (Meet in Highseas lobby)

8:00 **GROUP A: Hands-on Laboratory Session: Biomethods Training** (Required)
Angela Begin, MLAS, LVT, RLATg, Benjamin Carter, Travis Burpee, The Jackson Laboratory
Restraint, PO dosing (and specific related restraints), Serial tail bleeds

10:15 **GROUP B - Transportation to GRB Training Laboratory** (Meet in Highseas lobby)

10:25 **GROUP A – Return Transportation to Highseas** (Pick up in GRB Training Lab)

10:30 **GROUP B: Hands-on Laboratory Session: Biomethods Training** (Required)
Angela Begin, MLAS, LVT, RLATg, Benjamin Carter, Travis Burpee, The Jackson Laboratory
Restraint, PO dosing (and specific related restraints), Serial tail bleeds

12:45 **GROUP B – Return Transportation to Highseas** (Pick up in GRB Training Lab)

1:00 **Lunch** (Highseas 1st Floor) Tissue Vision Sponsored possible

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**
Aled Edwards, Structural Genomics Consortium, Emory/Sage/SGC/JAX TREAT-AD

5:30 **Dinner** (Highseas 1st floor)

7:00 **Town Hall Meeting**

Wednesday, May 21st

- 7:30 **Breakfast** (Highseas 1st floor)
- 8:15 **Group A: Transportation to GRB Training Laboratory** (Meet in Highseas lobby)
- 8:30 **Group A: 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 A & B: Lunch** (Roscoes)
- 12:30 **Group A: Transportation to Highseas**
- 12:30 **Group B: 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 B: 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 **Mouse Explorer Demo, AD Knowledge Portal, R Demo/Practicum**
Amelia Kallaher, PhD, Sage Bionetworks

Thursday, May 22nd

- 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 **Group Presentations: The Right Model for the Right Experiment**

Friday, May 23rd

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 **NIA Resources and Opportunities**
NIA Training Officer (virtual)
Office of Strategic Extramural Programs (OSEP)
National Institute on Aging

10:30 Break

11:00 **NINDS Rigor and Transparency Resources**
Devon Crawford, Ph.D. | Program Director
Office of Research Quality (ORQ)
National Institute of Neurological Disorders and Stroke (NINDS)

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**
Jaya Viswanathan, Ph.D., NIH, National Institute on Aging

4:00 **Keynote lecture: Social Determinants of Health & Disparities in AD Research** (Highseas 3rd floor)
Lisa Barnes, Ph.D., Rush University (virtual)

6:00 **Dinner on your own**

Saturday, May 24th

7:00 Breakfast

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