



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

May 19-23, 2025

**Schedule Subject to Change**

## **Sunday, May 18<sup>th</sup>**

- 3:00 pm Arrivals (Highseas Conference Center)
- 5:00-6:00pm Social Hour & Welcome Reception (Highseas 1<sup>st</sup> floor)
- 6:00-7:00pm Dinner

## **Monday, May 19<sup>th</sup>**

- 7:30-8:30am Breakfast (Highseas 1<sup>st</sup> floor)
- 8:30-9:00am **Welcome and Course overview** (Highseas 3<sup>rd</sup> floor)  
Stacey Rizzo, Ph.D., University of Pittsburgh Aging Institute
- 9:00-9:45am **NIA Translational Research Programs for AD/ADRD** (Highseas 3<sup>rd</sup> floor)  
Nandini Arunkumar, PhD (virtual)  
National Institute on Aging, National Institutes of Health
- 9:45-10:15am **The MODEL-AD Approach: Phenotyping Mice for Next-Gen Preclinical Research** (Highseas 3<sup>rd</sup> floor)  
Adrian Oblak, Ph.D., Indiana University School of Medicine
- 10:15-11:15am **Integrated Proteomics for Target and Biomarker Discovery in Alzheimer's Disease** (Highseas 3<sup>rd</sup> floor)  
Nick Seyfried, Ph.D., Emory University
- 11:15-12:15pm **Bioinformatics and Data Management in MODEL-AD** (Highseas 3<sup>rd</sup> floor)  
Greg Carter, Ph.D., The Jackson Laboratory
- 12:15-1:00pm Lunch (Highseas 1<sup>st</sup> floor)
- 1:00-2:00pm **Genetic and environmental approaches to improve mouse models for Alzheimer's disease and related dementias** (Highseas 3<sup>rd</sup> floor)  
Gareth Howell, Ph.D., The Jackson Laboratory

- 2:00-3:30pm **MODEL-AD PTC** (Highseas 3<sup>rd</sup> floor)  
Stacey Rizzo, Ph.D., University of Pittsburgh Aging Institute  
Paul Territo, Ph.D., Indiana University School of Medicine
- 3:30-4:00pm Break
- 4:00-5:00pm **Standards for reagent resource validation YCharOS: Antibody Characterization through Open Science**  
(Highseas 3<sup>rd</sup> floor)  
Carl LaFlamme, Ph.D., McGill University (virtual)
- 5:00-5:30pm **Intro for Group Activity: The right model for the right experiment** (Highseas 3<sup>rd</sup> floor)  
Gareth Howell, Ph.D., The Jackson Laboratory
- 6:00-7:30pm **Lobster Dinner** (Highseas 1<sup>st</sup> floor)
- 7:30-8:30pm **Executing translational research from preclinical mechanism elucidation to a human trial in AD**  
(Highseas 3<sup>rd</sup> floor)  
Frank Longo, M.D., Ph.D., Stanford University

## **Tuesday, May 20<sup>th</sup>**

- 7:00-7:45am Breakfast (Highseas 1<sup>st</sup> floor)
- 7:45-8:00am GROUP A - **Transportation to GRB Training Laboratory** (Meet in Highseas lobby)
- 8:00-10:30am 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
- 10:15-10:30am GROUP B - **Transportation to GRB Training Laboratory** (Meet in Highseas lobby)
- 10:30-10:45am GROUP A – **Return Transportation to Highseas** (Pick up in GRB Training Lab)
- 10:30-12:45pm 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
- 12:45-1:00pm GROUP B – **Return Transportation to Highseas** (Pick up in GRB Training Lab)
- 1:00-2:00pm **Lunch** (Highseas 1<sup>st</sup> Floor)
- 2:00-3:00pm **Mouse Models Resources** (Highseas 3<sup>rd</sup> Floor)  
Mike Sasner, Ph.D., The Jackson Laboratory
- 3:00-3:30pm Break
- 3:30-4:30pm **Biomarkers, Enabling Drug Discovery, Clinical Development and Personalized Medicine TREAT-AD** (Highseas 3<sup>rd</sup> Floor)  
Jeffrey L. Dage, Ph.D., Indiana University School of Medicine
- 4:30-5:30pm **Drug Discovery Roadmap – from Idea to Drug Approval** (Highseas 3<sup>rd</sup> Floor)

Stacey Rizzo, Ph.D., University of Pittsburgh Aging Institute

5:30-7:00pm **Dinner** (Highseas 1<sup>st</sup> floor)

7:00-8:00pm **Town Hall Meeting**

**Wednesday, May 21<sup>st</sup>**

7:30-8:15am **Breakfast** (Highseas 1<sup>st</sup> floor)

8:15-8:30am **Group A: Transportation to GRB Training Laboratory** (Meet in Highseas lobby)

8:30-11:30am **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 Aging Institute and MODEL-AD PTC Staff

11:15-11:30am **Group B : Transportation to GRB Training Laboratory** (Meet in Highseas lobby)

11:30-12:30pm **Groups A & B: Lunch** (Roscoes)

12:30-12:45pm **Group A: Transportation to Highseas**

12:30-3:30pm **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 Aging Institute and MODEL-AD PTC Staff

3:30-3:45pm **Group B: Transportation to Highseas**

4:00-5:30pm **PK/PD Modeling Lecture and Practicum** (Highseas 3<sup>rd</sup> Floor)  
Sara Quinney, Ph.D., Indiana University School of Medicine (virtual)  
Paul Territo, Ph.D., Indiana University School of Medicine

5:30-7:00pm **Dinner** (Highseas 1<sup>st</sup> floor)

7:00-8:00pm **Introduction to the AD Knowledge Portal and MODEL-AD**  
Amelia Kallagher, PhD, Sage Bionetworks

**Thursday, May 22<sup>nd</sup>**

7:30-8:45am **Breakfast** (Highseas 1<sup>st</sup> floor)

8:45-9:00am **Group A: Transportation to GRB Training Laboratory** (Meet in Highseas lobby)

9:00 -11:30am **Group A: Hands-on Laboratory Session: Terminal Cerebrospinal Fluid and Brain Tissue Collection, Perfusion demo/practice** (GRB Training Laboratory)  
Stacey Rizzo, Ph.D., University of Pittsburgh Aging Institute and MODEL-AD PTC Staff

11:15-11:30am **Group B: Transportation to GRB Training Laboratory** (Meet in Highseas lobby)

11:30-12:30pm **Groups A & B: Lunch** (Roscoes)

12:30-12:45pm **Group A: Transportation to Highseas**

12:30-3:00pm	<b>Group B: Hands-on Laboratory Session: Terminal Cerebrospinal Fluid and Brain Tissue Collection, Perfusion demo/practice</b> (GRB Training Laboratory) Stacey Rizzo, Ph.D., University of Pittsburgh Aging Institute and MODEL-AD PTC Staff
3:00-3:15pm	<b>Group B: Transportation to Highseas</b>
4:00-5:30pm	<b>Translational Pharmacology: <i>In Vivo</i> PET/MR</b> (Highseas 3 <sup>rd</sup> floor) Paul Territo, Ph.D., Indiana University School of Medicine
5:30-7:00pm	<b>Dinner</b> (Highseas 1 <sup>st</sup> floor)
7:00-8:00pm	<b>Group Presentations: The Right Model for the Right Experiment</b>

### **Friday, May 23<sup>rd</sup>**

7:30-8:30am	<b>Breakfast</b> (Highseas 1 <sup>st</sup> floor)
8:30-9:30am	<b>Translational Approaches for Studying Human Behaviors in Animal Models: MODEL-AD &amp; MARMO-AD</b> (Highseas 3 <sup>rd</sup> Floor) Stacey Rizzo, Ph.D., University of Pittsburgh Aging Institute
9:30-10:30am	<b>NIA Resources and Opportunities</b> (Highseas 3 <sup>rd</sup> Floor) Laura Major, Ph.D., NIA Training Officer (virtual) National Institute on Aging
10:30-11:00am	Break
11:00-12:00	<b>Rigor and Transparency in Biomedical Research</b> (Highseas 3 <sup>rd</sup> Floor) Devon Crawford, Ph.D. (virtual) National Institute of Neurological Disorders and Stroke (NINDS)
12:00-1:00pm	<b>Lunch</b> (Highseas 1 <sup>st</sup> floor)
1:00-2:00pm	<b>Preclinical Statistics (Interactive workshop session)</b> (Highseas 3 <sup>rd</sup> Floor) Vivek Phillip, Ph.D., The Jackson Laboratory
2:00-2:45pm	<b>Funding Programs and Opportunities from the Alzheimer's Association</b> (Highseas 3 <sup>rd</sup> Floor) Heather Snyder, Ph.D., Alzheimer's Association (virtual)
2:45-3:00pm	Break
3:00-4:00pm	<b>Alzheimer's Disease Preclinical Efficacy Database</b> (Highseas 3 <sup>rd</sup> Floor) Jaya Viswanathan, Ph.D., KGS contractor, National Institute on Aging
4:00-5:00pm	<b>Keynote lecture: Social Determinants of Health &amp; Disparities in AD Research</b> (Highseas 3 <sup>rd</sup> floor) Lisa Barnes, Ph.D., Rush University Medical Center (virtual)
6:00	<b>Dinner on your own</b>

### **Saturday, May 24<sup>th</sup>**

7:00 To go breakfast available in the snack room

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