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

**October 6-11, 2019**

**Schedule Subject to Change**

**Sunday, October 6, 2019**

3:00 pm Arrivals (Highseas Conference Center)

6:00 pm Dinner and Introductions (Highseas 1st floor)

**Monday, October 7, 2019**

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

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

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

9:45 **Alzheimer's Disease Preclinical Efficacy Database**

Larry Refolo, Ph.D., NIH, National Institute on Aging

10:15 **AGORA**

Lara Mangravite & Ben Logsdon, Sage BioNetworks

11:15 **AlzForum resources**

Kelly Dakin, Ph.D., AlzForum

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

1:00 **MODEL-AD Overview** (Highseas 3rd floor)

 Gareth Howell, Ph.D., The Jackson Laboratory and Bruce Lamb

2:00 **MODEL-AD BDMC**

 Greg Carter, Ph.D., The Jackson Laboratory

3:00 **MODEL-AD DMP**

Gareth Howell, Ph.D., and Mike Sasner, Ph.D., The Jackson Laboratory

4:00 **MODEL-AD PTC**

Stacey Rizzo, Ph.D., University of Pittsburg School of Medicine

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

5:00 **Wine and Cheese Reception** (Highseas 1st floor)

6:00 **Lobster Dinner**

7:00 **Town Hall Discussion**

**Tuesday, October 8, 2019**

7:00 **Breakfast** (Highseas 1st floor)

8:00 **Transportation to GRB Training Laboratory** (Meet in Highseas lobby)

8:15 **Hands-on Laboratory Session: Biomethods Training** (Required)

 Staff, The Jackson Laboratory

11:30 **Nanostring Lunch** (Staff Conference Room)

1:00 **Neurogenetics Tools: JAX mouse resources (cre, tet, KOMP, MGI)**

 Mike Sasner, Ph.D., The Jackson Laboratory

2:00 **Neurogenetics Tools: CRISPR**

 Bill Buaas, Ph.D., The Jackson Laboratory

3:00 **Neurogenetics Tools: Single Cell**

 Paul Robson, Ph.D., The Jackson Laboratory

4:00 **Neurogenetics Tools: Viral Vectors**

 Ryuta Ishimura, Ph.D., The Jackson Laboratory

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

**Free Evening**

**Wednesday, October 9, 2019**

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 Pittsburg 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 Pittsburg School of Medicine and MODEL-AD PTC Staff

3:30 **Group 2: Transportation to Highseas**

4:00 **Pharmacodynamics** (Highseas 3rd floor)

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

6:30 **Dinner** (Highseas 1st floor)

7:30 **Town Hall Discussion**

**Thursday, October 10, 2019**

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 Pittsburg 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 Pittsburg School of Medicine and MODEL-AD PTC Staff

3:00 **Group 2: Transportation to Highseas**

4:30 **PK/PD Modeling** (Highseas 3rd floor)

 Sara Quinney, Ph.D., Indiana University

6:30 **Dinner** (Highseas 1st floor)

7:30 **Evening Lecture TBA**

**Friday, October 11, 2019**

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

8:30 **Translational Pharmacology: *In Vivo* PET/MR** (Highseas 3rd floor)

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

9:30 **Genetic Diversity**

Gary Churchill, Ph.D., The Jackson Laboratory

11:00 **Behavioral Pharmacology for Preclinical Testing in AD**

 Stacey Rizzo, Ph.D., University of Pittsburg School of Medicine

12:15 **Lunch** (Highseas 1st floor)

1:30 **Preclinical Statistics and Data Resources**

Vivek Phillip, Ph.D., The Jackson Laboratory

2:30 **Interactive Statistics and Experimental Design Practicum and Breakout Session**

Vivek Phillip, Ph.D., The Jackson Laboratory

3:00 **Drug Discovery RoadMap**

Stacey Rizzo, Ph.D., University of Pittsburg School of Medicine

6:00 **Dinner and Free Evening**

**Saturday, October 12, 2019**

7:00 Breakfast

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