

2021 VIRTUAL | PRINCIPLES & TECHNIQUES FOR IMPROVING PRECLINICAL TO CLINICAL TRANSLATION IN ALZHEIMER'S DISEASE RESEARCH

26 April

We invite you to join our MODEL-AD investigators and NIA representatives for an immersion workshop highlighting the resources available to researchers including access to new mouse models of Alzheimer's Disease, methodologies and protocols for model characterization, open access data, and resources for training and preclinical testing of compounds that are available to the greater research community. This workshop is supported with funding from NIA R13AG060708.

All times are in Eastern Daylight Time

12:00	NIA RESOURCES & SUPPORT FOR AD RESEARCHERS	NIA Translational Programs Overview; Alzheimer's Disease Preclinical Efficacy Database (AlzPED)	Shreaya Chakroborty , PhD, Scientific Program Manager, National Institute on Aging & Project Manager, AlzPED
12:30	MODEL-AD OVERVIEW	Challenges with historical animal models of AD; Overview of the MODEL-AD Center and Resources	Adrian Oblak , PhD, Program Manager, MODEL-AD, Indiana University School of Medicine
01:00	GENERATION & CHARACTERIZATION OF AD MODELS	Prioritization of variants for mouse model generation; AMP-AD modules, transcriptomic panels and screening; Historical FAD models versus new MODEL-AD LOAD models; Overview of clinically relevant phenotyping pipeline; AlzForum resources	Mike Sasner , PhD, Program Manager, MODEL-AD Co-Head, MODEL-AD Disease Modeling Project, The Jackson Laboratory Christoph Preuss , PhD, Associate Research Scientist, MODEL-AD Bioinformatics and Data Management Core, The Jackson Laboratory
02:00	PRECLINICAL SCREENING OF AD THERAPEUTICS RESOURCES FOR THE GREATER RESEARCH COMMUNITY	Selecting mouse models to best match a drug's mechanism of action; Prioritization of translationally relevant outcome measures; Pharmacokinetics, Pharmacodynamics, In vivo target engagement; Optimizing experimental designs for drug testing in AD mouse models; STOP-AD resources: How to get your compound tested with MODEL-AD; Hands On training with AD mouse models (CSF collections, PK, behavior)	Paul Territo , PhD, Head, MODEL-AD Preclinical Testing Core, Indiana University School of Medicine Stacey Rizzo , PhD, Co-Head, MODEL-AD Preclinical Testing Core, University of Pittsburgh School of Medicine
03:00	OPEN ACCESS DATA RESOURCES	AD Knowledge Portal (Overview and Tutorial); Accessing Data from MODEL-AD, AMP-AD and other AD resources; Mouse Strain "Report Cards"	Anna Greenwood , PhD, Sage BioNetworks Zoë Leanza , Sage BioNetworks
03:30	Q&A	Town Hall Style Q&A	Kristen Onos , PhD, Research Scientist, MODEL-AD