

**Business Consortium**

**Alzheimer's Association Business Consortium**

*Translational Animal Models for Alzheimer's Disease Think Tank*

November 28-29, 2018

Park Hyatt Hotel

Washington, D.C.

**Meeting Overview**

Alzheimer's disease (AD) animal models have provided important insights into the disease; however, translation to the clinic has been limited. The field needs more predictive animal models in order to better understand disease mechanisms and to accelerate the discovery of new AD therapeutics. The purpose of this Animal Models for AD Think Tank is to understand the history of AD animal models, explore the current state of the science, to identify the gaps and to recommend specific actions in order to develop the next generation of AD animal models.

**Subcommittee Members:**

- i. Joseph Araujo, Ph.D., Intervivo
- ii. Michael Fossel, M.D., Ph.D., Telocyte
- iii. Gareth Howell, Ph.D., The Jackson Laboratory
- iv. Bruce Lamb, Ph.D., Indiana University
- v. Paul Territo, Ph.D., Indiana University
- vi. Michael Vitek, Ph.D., Cognosci
- vii. Manfred Windisch, Ph.D., NeuroScios
- viii. Andrea Tenner, Ph.D., University of California, Irvine
- ix. Jim Hendrix, Ph.D., Alzheimer's Association
- x. April Ross, Ph.D., Alzheimer's Association

**Agenda – Day 1**

<b>1:30-1:45p.m.</b>	<b>Welcome</b>
<b>1:45-2:15p.m.</b>	<b>Keynote: Building the Next Generation of Animal Models of Alzheimer's Disease Bruce Lamb, Ph.D.</b>
<b>Session 1: 2:15-2:35p.m. 2:35-2:55p.m. 2:55-3:15p.m.</b>	<b>Genomics, Metabolomics, and Proteomics</b> Genomics: <b>Dave McKinzie, Ph.D.</b> Immune Control of Metabolism in Alzheimer's disease: <b>Carol Colton, Ph.D.</b> Proteomics: <b>Nicholas Seyfried, Ph.D.</b>
<b>3:15-3:40p.m.</b> <b>Moderator:</b>	<b>Panel Discussion (including keynote)</b> <b>Suzana Petanceska, Ph.D.</b> What recommendations you have to move area forward?
<b>3:40-4:10p.m.</b>	<b>BREAK</b>

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<b>Session 2:</b>	<b>Modern Behavioral Models</b>
<b>4:10-4:30p.m.</b>	Translation of behavioral assays in animal models to human cognition – challenges and opportunities: <b>Stacey Sukoff Rizzo, Ph.D.</b>
<b>4:30-4:50p.m.</b>	Aged Models: <b>Elizabeth Head, Ph.D.</b>
<b>4:50-5:10p.m.</b>	Dog and Non-Human Primate Models: <b>Joseph Araujo, Ph.D.</b>
<b>5:10-5:30p.m.</b>	Modern Phenotypic Approaches: <b>Emer Leahy, Ph.D.</b>
<b>5:30-5:50p.m.</b>	Knock-In Models: <b>Takaomi Saïdo, Ph.D.</b>
<b>5:50-6:10p.m.</b>	Computational Modeling: <b>Michael Lutz, Ph.D.</b>
<b>6:10-6:30p.m.</b>	<b>Panel Discussion</b>
<b>Moderator:</b>	<b>Manfred Windisch, Ph.D.</b>
	What recommendations you have to move area forward?
<b>6:30-6:45p.m.</b>	Brief Summary of Day One
<b>6:45-8:00p.m.</b>	<b>RECEPTION</b>

**Day 2**

<b>7:30-8:15a.m.</b>	<b>Breakfast</b>
<b>8:30-8:45a.m.</b>	Review of Day One
<b>Session 3:</b>	<b>Translational Issues</b>
<b>8:45-9:05a.m.</b>	Translation of Fluid Biomarkers: Speaker Suggested: <b>Mathias Jucker, Ph.D.</b>
<b>9:05-9:25a.m.</b>	Translation of Imaging Biomarkers: <b>Paul Territo, Ph.D.</b>
<b>9:25-9:45a.m.</b>	How to design experiments (POC vs. validation): <b>Ron DeMattos, Ph.D.</b>
<b>9:45-10:10a.m.</b>	<b>Panel Discussion</b>
<b>Moderator:</b>	<b>Jim Hendrix, Ph.D.</b>
	What recommendations you have to move area forward?
<b>10:10-10:45a.m.</b>	<b>BREAK &amp; CHECKOUT</b>
<b>Session 4:</b>	<b>Experimental/Operational Issues</b>
<b>10:45-11:05a.m.</b>	Selection-Systems biology: <b>Gareth Howell, Ph.D.</b>
<b>11:05-11:25a.m.</b>	Models of co-morbidities and other types of dementia: <b>Julie Schneider, M.D.</b>
<b>11:25-11:45a.m.</b>	How to choose which models to use? <b>Eric Karran, Ph.D.</b>

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11:45-12:10p.m.	<b>Panel Discussion</b> Moderator: <b>Barry Greenberg, Ph.D.</b> What recommendations you have to move area forward?
<b>12:10-12:15p.m.</b>	<b>Closing Remarks</b>
12:15p.m.	<b>Boxed Lunch</b>