Rhode Island Alzheimer’s Disease Research Conference

Provided By

Alzheimer’s Association
Rhode Island Chapter

Thursday, April 25, 2019
The Crowne Plaza Hotel | Warwick, RI

Keynote Sponsor

The University of Rhode Island
George & Anne Ryan Institute for Neuroscience

Presenter Sponsors

RIGEC
Rhode Island Geriatric Education Center
Rhode Island Alzheimer’s Disease Research Conference

Program Description
This is a one-day conference for both community-based clinical care providers, as well as active researchers, all of whom provide care for patients and families afflicted by Alzheimer’s disease. This conference will bring together the major research groups across the state’s public and private institutions, to share ideas, resources, and opportunities. Community-based caregivers will learn about exciting research advances and clinical trials that their patients might benefit from, and they will be provided with timely updates on state-of-the-art advances in the field. Graduate students, medical students and fellows will be able to meet, share ideas, and to present new experimental results through a poster session that highlights their work.

Target Audience
Physicians who are both researchers & clinical, PhD researchers, post docs, medical residents and students.

Learning Objectives
At the conclusion of this activity, participants should be able to:
- Recognize the role of environmental toxicants including pollution as related to risk of Alzheimer’s disease and dementia
- Describe recent advances in AD biomarker research and discuss the ethical implications of Alzheimer’s risk disclosure in cognitively normal individuals
- Demonstrate the utility of neuromodulation as a novel intervention for Alzheimer’s disease and related disorders

Thursday, April 25, 2019

8:00-8:30  Registration and Breakfast
8:30-8:45  Welcome and Opening Remarks
           Conference Co-Chairs: Andrea Sartori, PhD and Lori A. Daiello, PharmD, ScM
8:45-9:45  Could Exposure to Air Pollution Influence Dementia Risk? The State of the Science and the Evidence We Need Next (Keynote Presentation)
           Dr. Jennifer Weuve, MPH, ScD
9:45-10:25 Changes in Retinal Anatomy of the Course of Alzheimer’s disease
           Dr. Jessica Alber, PhD
10:30-10:45 Break and Visit Exhibits
10:45-11:25 Tau PET: An Emerging Diagnostic, Prognostic and Outcome Measure in Alzheimer’s Clinical Care and Research
           Dr. Stephen Salloway, MD, MS
11:30-12:10 Alzheimer’s Genetic and Biomarker Risk Disclosure in Cognitively Normal Adults
           Dr. Athene Lee, PhD
12:15-1:30 Lunch and Poster Session and State Plan
           With State Plan Update with Craig Dwyer, Lt. Governor’s Office
1:30-2:10  Transcranial Magnetic Stimulation in Alzheimer’s Disease and Related Disorders
           Dr. Brian Ott, MD
2:10-2:55 Deep Brain Stimulation for Alzheimer’s Disease: The Advance Trial
           Dr. Wael Asaad, MD, PhD
3:00-3:15 Break and Visit Exhibits
3:15-4:30 Trainee Presentations moderated by Dr. Geoffrey Tremont, PhD
4:30-5:30 Reception and cocktails
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Presentation Descriptions

Could Exposure to Air Pollution Influence Dementia Risk? The State of the Science and the Evidence We Need Next (Keynote Presentation)
Jennifer Weuve, MPH, ScD
Burgeoning evidence suggests that exposure to air pollution may result in increased risk of Alzheimer’s disease and related dementias (ADRD). If air pollution does increase dementia risk, it would stand as one of the few risk factors for dementia that can be modified at the population level using regulatory and technological levers. The rationale for the ill-effects of air pollution on the aging brain will be reviewed while providing a tour through an epidemiologic study of this effect with an assessment of the overall state of the epidemiologic science and suggestions for the evidence we need next.

Changes in Retinal Anatomy of the Course of Alzheimer’s Disease
Jessica Alber, PhD
Recent advances in retinal alterations over the course of the cognitive aging spectrum will be outlined, from normal aging to symptomatic Alzheimer’s, including structural, functional/metabolic, and vascular biomarkers of neurodegenerative disease. Future directions for the validation of retinal biomarkers in Alzheimer’s disease will be reviewed.

Tau PET: An Emerging Diagnostic, Prognostic and Outcome Measure in Alzheimer’s Clinical Care and Research
Stephen P. Salloway, MD, MS
Tau PET imaging is emerging as a safe and sensitive measure of neurofibrillar tangles. The evidence for its utility as a diagnostic, prognostic and outcome measure, including the results of a pivotal trial of flortaucipir currently under FDA review, will be discussed.

Alzheimer’s Genetic and Biomarker Risk Disclosure in Cognitively Normal Adults
Athene Lee, PhD
The advent of Alzheimer’s disease risk assessment with genetic and biomarker disclosure in cognitively normal adults brings ethical challenges. While an optimal risk model and effective preventive therapy is yet to be identified, the impact of risk disclosure should be examined in anticipation of translating this research advancement for clinical use in the future. Issues related to education, psychological readiness, and the impact of Alzheimer’s risk disclosure in a research setting will be discussed.

Transcranial Magnetic Stimulation in Alzheimer’s Disease and Related Disorders
Brian R. Ott, MD
Background information will be presented on the status of basic research and clinical trials employing TMS for Alzheimer’s and other related neurologic disorders. Results from a pilot study of TMS in patients with Alzheimer’s from Brown University and Rhode Island Hospital will be presented. Future directions for this potential novel therapeutic modality will then be discussed.

Deep Brain Stimulation for Alzheimer’s Disease: The Advance Trial
Wael Asaad, MD, PhD
Results from the Phase II trial of deep brain stimulation of the fornix for early Alzheimer’s disease will be discussed and updates regarding potential future directions of neuromodulation for Alzheimer’s will be provided.

Speakers

Jessica Alber, PhD
Ryan Research Assistant Professor of Neuroscience, George & Anne Ryan Institute for Neuroscience University of Rhode Island | Kingston, RI

Wael Asaad, MD, PhD
Associate Professor of Neurosurgery and Neuroscience Director, Functional Neurosurgery and Epilepsy Surgery Alpert Medical School of Brown and Rhode Island Hospital | Providence, RI

Athene Lee, PhD
Assistant Professor Clinician Educator of Psychiatry and Human Behavior Alpert Medical School of Brown University Neuropsychologist Butler Hospital | Providence, RI

Brian R. Ott, MD
Warren Alpert Medical School of Brown University Director, Alzheimer’s Disease & Memory Disorders Center Rhode Island Hospital | Providence, RI Adjunct Professor of Pharmacy Practice University of Rhode Island | Kingston, RI

Stephen P. Salloway, MD, MS
Professor of Neurology & Psychiatry and Human Behavior Warren Alpert Medical School of Brown University Director, Neurology and the Memory and Aging Program Butler Hospital | Providence, RI

Jennifer Weuve, MPH, ScD
Associate Professor, Department of Epidemiology Boston University School of Public Health | Boston, MA
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Planning Committee

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Registration Information

Register online at: www.alz.org/ri

Conference registration fee includes: lunch and reception

**Registration Fees**
$100.00 Professionals
Free Trainees and Students

**Conference Location**
The Crowne Plaza Hotel
801 Greenwich Avenue, Warwick, RI 02886
401-732-6000
www.crownehotelwarwick.com

Please notify the Alzheimer’s Association Office in writing at least two weeks prior to the conference to request reasonable accommodations.

Cancellation Policy

Cancellations/substitutions must be made in writing to the Alzheimer’s Association at least two weeks prior to the conference, no later than April 12th.

This conference is subject to change or cancellation.

**For More Information**
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