### 2021 INTERNATIONAL SYMPOSIUM

**Promoting Healthy Brain Aging and Preventing Dementia**

**RESEARCH AND TRANSLATION**

**Virtual Event | May 18-19, 2021**

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**Agenda Day 1 (Tuesday, May 18)**

<table>
<thead>
<tr>
<th>(OPEN MAY 17-ON FOR VIEWING)</th>
<th><strong>Oral Abstract Presentations</strong></th>
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</thead>
<tbody>
<tr>
<td>12:30-12:45 PM</td>
<td><strong>Opening Remarks</strong></td>
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<tr>
<td>12:45-2:00 PM</td>
<td><strong>SESSION 1</strong></td>
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<tr>
<td></td>
<td>Applied Science and Intervention for Brain Health and Dementia</td>
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<tr>
<td>2:00-2:45 PM</td>
<td><strong>Networking Break &amp; Oral Abstract Presentations</strong></td>
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<tr>
<td>2:45-4:00 PM</td>
<td><strong>SESSION 2</strong></td>
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<td></td>
<td>COVID-19 Effects on the Brain: Direct, Indirect, and Persisting Consequences</td>
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<tr>
<td>4:00-5:00 PM</td>
<td><strong>KEYNOTE 1</strong></td>
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<tr>
<td></td>
<td>Kaarin Anstey</td>
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</tbody>
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**Agenda Day 2 (Wednesday, May 19)**

<table>
<thead>
<tr>
<th><strong>SESSION 3</strong></th>
<th>9:00-10:15 AM</th>
<th>Integrating Big Data, Neuroinformatics, and Precision Health Approaches</th>
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</thead>
<tbody>
<tr>
<td>10:15-11:00 AM</td>
<td><strong>Networking Break &amp; Oral Abstract Presentations</strong></td>
<td></td>
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<tr>
<td>11:00-12:15 PM</td>
<td><strong>SESSION 4</strong></td>
<td>Challenges of Animal Models and Clarifying the Science Surrounding the Amyloid Hypothesis</td>
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<tr>
<td>12:15-1:15 PM</td>
<td><strong>KEYNOTE 2</strong></td>
<td>Alison Goate</td>
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<tr>
<td>1:15-2:00 PM</td>
<td><strong>Closing Panel</strong></td>
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<tr>
<td>2:00-2:15 PM</td>
<td><strong>Oral Abstract Presentation Awards and Closing Remarks</strong></td>
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</tbody>
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**Campus Alberta Neuroscience**

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**University of Alberta**

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**University of Lethbridge**

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**University of Calgary**
Speakers Day 1 (Tuesday, May 18)

KEYNOTE 1
**Kaarin Anstey**, University of New South Wales – Sydney, Australia
*Will Promoting Brain Health Also Prevent Dementia?*

SESSION 1
**Applied Science and Intervention for Brain Health and Dementia**

**Dorthe Stensvold**, Norwegian University of Science and Technology – Trondheim, Norway
*Generation 100; The Long-term Effect of High-intensity Interval Training on Morbidity and Mortality in Older Adults*

**Bryce Anthony Mander**, University of California, Irvine – Irvine, United States of America
*Sleep in the Aging Brain: Associations with Alzheimer’s Disease Pathophysiology and Memory Impairment*

**Laura Middleton**, University of Waterloo – Waterloo, Canada
*Physical Activity in Dementia Risk Reduction: Where Do We Go From Here?*

**Miia Kivipelto**, Karolinska Institutet – Stockholm, Sweden
*Multidomain Interventions for Risk Reduction and Prevention of Dementia: From FINGER to World-Wide FINGERS*

SESSION 2
**COVID-19 Effects on the Brain: Direct, Indirect, and Persisting Consequences**

**Adrian M. Owen**, Western University – London, Canada
*Seeing Through Brain Fog: Disentangling the Cognitive, Physical, and Mental Health Sequalae of COVID-19*

**Teresa Liu-Ambrose**, University of British Columbia – Vancouver, Canada
*Canadian Longitudinal Study on Aging (CLSA) COVID-19 Brain Study: Rationale and Study Design*

**Dallas Seitz**, University of Calgary – Calgary, Canada
*Evaluating the Impact of COVID on People Living with Dementia in Alberta*

**Richard H. Swartz**, Sunnybrook HSC, University of Toronto – Toronto, Canada
*The Impact of COVID on Stroke (Incidence, Care, and Outcomes)*

Speakers Day 2 (Wednesday, May 19)

KEYNOTE 2
**Alison Goate**, Icahn School of Medicine at Mount Sinai – New York, United States of America
*Human Genetics Implicates Microglial Function in Alzheimer’s Disease Risk*

SESSION 3
**Integrating Big Data, Neuroinformatics, and Precision Health Approaches**

**David Wishart**, University of Alberta – Edmonton, Canada
*Integrating Machine Learning, Omics Analyses and Neurodegeneration*

**AmanPreet Badhwar**, CRIUGM, Université de Montréal – Montréal, Canada
*A Roadmap From Heterogeneity to Subtypes of Alzheimer’s Disease and Related Disorders*

**Yasser Iturria-Medina**, McGill University – Montréal, Canada
*Multi-modal Biomarkers and Integrative Neuroinformatic Tools for Personalizing Treatments in Neurodegeneration*

**Michelle M. Mielke**, Mayo Clinic – Rochester, United States of America
*Combining Epidemiological and Precision Health Approaches to Understand Sex Differences in Alzheimer’s Disease*

SESSION 4
**Challenges of Animal Models and Clarifying the Science Surrounding the Amyloid Hypothesis**

**Michael Sasner**, The Jackson Lab – Bar Harbor, United States of America
*Novel Mouse Models of Late-onset Alzheimer’s Disease*

**Fernanda De Felice**, Queen’s University – Kingston, Canada
*The Role of Hormones in Alzheimer’s Disease*

**Gerold Schmitt-Ulms**, University of Toronto – Toronto, Canada
*Intersecting Etiologies of Alzheimer’s Disease and Prion Diseases Present Therapeutic Opportunity*

**Matthew Macauley**, University of Alberta – Edmonton, Canada
*Dissecting the Individual Roles of CD33 Isoforms Connected to Alzheimer’s Disease Susceptibility*

FOR MORE INFORMATION, VISIT:
albertaneuro.ca/education/#HBAD