2021 INTERNATIONAL SYMPOSIUM

Promoting Healthy Brain Aging and Preventing Dementia
RESEARCH AND TRANSLATION

Virtual Event | May 18-19, 2021

Agenda Day 1 (Tuesday, May 18)

(OPEN MAY 17-ON FOR VIEWING)	**Oral Abstract Presentations**
12:30-12:45 PM	**Opening Remarks**
12:45-2:00 PM	**SESSION 1** Applied Science and Intervention for Brain Health and Dementia
2:00-2:45 PM	**Networking Break & Oral Abstract Presentations**
2:45-4:00 PM	**SESSION 2** COVID-19 Effects on the Brain: Direct, Indirect, and Persisting Consequences
4:00-5:00 PM	**KEYNOTE 1** Kaarin Anstey

Agenda Day 2 (Wednesday, May 19)

9:00-10:15 AM	**SESSION 3** Integrating Big Data, Neuroinformatics, and Precision Health Approaches
10:15-11:00 AM	**Networking Break & Oral Abstract Presentations**
11:00-12:15 PM	**SESSION 4** Challenges of Animal Models and Clarifying the Science Surrounding the Amyloid Hypothesis
12:15-1:15 PM	**KEYNOTE 2** Alison Goate
1:15-2:00 PM	**Closing Panel**
2:00-2:15 PM	**Oral Abstract Presentation Awards and Closing Remarks**

Campus Alberta **Neuroscience**

UNIVERSITY OF ALBERTA

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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