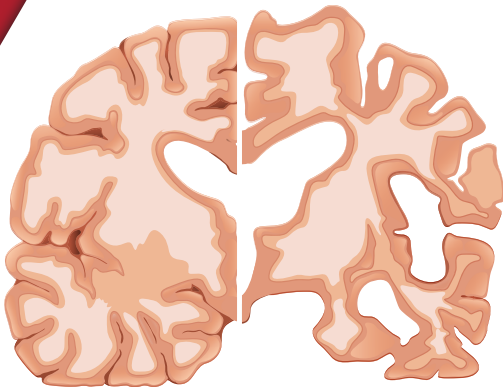


4th Edition of Innovations and State of the Art in

ALZHEIMER'S & DEMENTIA

***September 13-14, 2023
at Barcelona, Spain***



Venue: Alexandre Hotel Front Air Congress Barcelona

Address: Carrer de les Alberedes, 16, 08830 Sant Boi de Llobregat, Barcelona, Spain

Website URL: [URL:https://alzheimers-dementia.org/](https://alzheimers-dementia.org/)

Email: dementiacongress@innovinc.org



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Day
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WEDNESDAY

4th Edition of Innovations and State of the Art in

ALZHEIMER'S & DEMENTIA

September 13-14, 2023 at Barcelona, Spain

Meeting Hall: Sitges

Moderator: Sena Karachanak-Yankova, Bulgaria

Registrations Open 08:00-08:45

Opening Ceremony 08:45-09:00

Keynote Talks

09:00-09:30 ----- **TITLE: Alzheimer's Disease: A Brief History of Immunotherapies Targeting Amyloid β**

Martin Bachmann, University of Bern, Switzerland

09:30-10:00 ----- **TITLE: House as Carer: enabling older adults with Dementia to live at Home**

Masi Mohammadi, Eindhoven University of Technology, The Netherlands

10:00-10:30 ----- **TITLE: The Italian INTERCEPTOR project**

Paolo M. Rossini, Catholic University in Rome, Italy

Group Photo & Refreshment Break (10:30-10:50)

Technical Session-I

**THEMES: Alzheimer's Research and Therapy,
Advances in Alzheimer's and Dementia Research**

Session Chairs: Dr. Paolo M. Rossini & Dr. Gerard Griffioen

10:50-11:10 ----- **TITLE: Intranasal Dantrolene Nanoparticle As A Disease-Modifying Drug For Treatment of Alzheimer's Disease**

Huafeng Wei, University of Pennsylvania, USA

11:10-11:30 ----- **TITLE: Non-Invasive Neurostimulation in Home Settings for Cognitive Enhancement in Mild to Moderate Alzheimer's Disease**

Helena Knotkova, MJHS Institute for Innovation in Palliative Care, USA

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WEDNESDAY

4th Edition of Innovations and State of the Art in

ALZHEIMER'S & DEMENTIA

September 13-14, 2023 at Barcelona, Spain

11:30-11:50 ----- **TITLE: Neuromodulation for word finding in logopenic primary progressive aphasia secondary to Alzheimer's disease: A sub-phonemic analysis**

Tifani Biro, University of Pennsylvania, USA

11:50-12:10 ----- **TITLE: Organ on a chip in vitro model in Alzheimer's disease**

Monica Mir, University of Barcelona, Spain

12:10-12:30 ----- **TITLE: GHS-R1a deficiency rescues memory decline in AD model mice**

YU ZHOU, University of Health and Rehabilitation Sciences, China

12:30-12:50 ----- **TITLE: Life span changes in the CD4 T-cell compartment and their impact on aging and disease**

Alon Monsonego, Ben-Gurion University, Israel

Lunch Break @ Restaurant (12:50-14:00)

Session Chairs: Prof. Jacques P. Tremblay & Prof. Maria Carla Tesi

14:00-14:20 ----- **TITLE: Neuroprotective Features of angiotensin receptor blockers in Preclinical Alzheimer's mouse models**

Lusine Danielyan, University Hospital of Tuebingen, Tuebingen, Germany

14:20-14:40 ----- **TITLE: The synergistic interplay between amyloid beta and tau in Alzheimer's disease: a mathematical model on the human connectome**

Maria Carla Tesi, University of Bologna, Italy

14:40-15:00 ----- **TITLE: AUTOTAC (AUTOPhagy-TArgeting Chimera): Targeted degradation of tau tangles in Alzheimer's disease via the autophagy-lysosome system**

Yong Tae Kwon, Seoul National University, Seoul, South Korea

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WEDNESDAY

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15:00-15:20 ----- **TITLE: Neuroprotection in Alzheimer's disease by restoring intraneuronal calcium homeostasis**

Gerard Griffioen, reMYND N.V, Belgium

15:20-15:40 ----- **TITLE: National Institute on Aging Seed Funding enables Alzheimer's disease startups to reach key value inflection points**

Armineh L Ghazarian, National Institute on Aging, USA

15:40-16:00 ----- **TITLE: Insertion of the Icelandic mutation (A673T) in the APP gene using the CRISPR/Cas9 base editing and Prime editing technologies, a preventive treatment for Alzheimer?**

Jacques P. Tremblay, Laval University, Canada

Refreshment Break (16:00-16:20)

16:20-16:40 ----- **TITLE: A Psychiatric Perspective on the Neuropsychiatric Symptoms in Dementia**

Arushi Kapoor, University of Pennsylvania, USA

16:40-17:00 ----- **TITLE: Frontotemporal brain sagging syndrome**

Luis Alberto Ortega-Porcayoa, HOSPITAL ANGELES PEDREGAL,- Mexico

17:00-17:20 ----- **TITLE: Consensus recommendations on Epilepsy in Phelan-McDermid syndrome**

Sarah Jesse, ULM University, Germany

Pannel Discussions



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THURSDAY

4th Edition of Innovations and State of the Art in

ALZHEIMER'S & DEMENTIA

September 13-14, 2023 at Barcelona, Spain

Meeting Hall- Sitges

Moderator: Memoona Hasnain, USA

Keynote Talks

09:00-09:30 ----- TITLE: Programmed aging: decline of stem cell renewal, immunosenescence, and Alzheimer's disease.

David St Clair, *University of Aberdeen, UK*

Technical Session-II

THEMES: Aging and Dementia, Vascular Dementia,
Molecular and cell Biology, Risk reduction and prevention
Session Chairs: Dr. Masi Mohammadi & Dr. Zixu Mao

09:30-09:50 ----- TITLE: White matter mechanisms in a spontaneous mouse model of chronic mild hypoperfusion with eNOS deficiency.

Francesca-Fang Liao, *University of Tennessee Health Science Center, USA*

09:50-10:10 ----- TITLE : Nutrition and Memory Brain Health

Gunjan Khera, *United Arab Emirates University, UAE*

10:10-10:30 ----- TITLE: Age of onset influences stigmatic attributions towards a person with dementia

Lilach Raviv Turgeman, *Zefat Academic College, Zefat, Israel*

10:30-10:50 ----- TITLE: Cascade autohydrolysis of Alzheimer's A β peptides – new perspectives for disease intervention

Martin Wolfram, *University of Copenhagen, Denmark*

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THURSDAY

4th Edition of Innovations and State of the Art in

ALZHEIMER'S & DEMENTIA

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Refreshment Break (10:50-11:00)

11:00-11:20 ----- **TITLE: Screening of pathogenic variants in eight Alzheimer's disease related genes in Bulgarian patients by pooled whole-exome sequencing**

Sena Karachanak-Yankova, *Medical University of Sofia, Sofia, Bulgaria*

11:20-11:40 ----- **TITLE: Study the Therapeutic Benefit of Commercial Coffees for AD in N2a/APPswe Cell Model**

Chuanhai Cao, *University of South Florida, USA*

11:40-12:00 ----- **TITLE: Dysfunction of miRNA biogenic machinery in neuronal stress and Alzheimer's disease**

Zixu Mao, *Emory University School of Medicine, USA*

12:00-12:20 ----- **TITLE: Concerted role of CX3CL1 and proteases in Alzheimer's disease "in vitro" and "in vivo"**

Giulio Gherzi & Matilda Iemmolo, *University of Palermo, Palermo, Italy*

12:20-12:40 ----- **TITLE: Intermittent Fasting as a Potential Preventative Treatment for the Progression from Type II to Type III Diabetes (Alzheimer's Disease)**

Joseph M. Schulz, *Mindful Diabetes Inc/University of Miami, USA*

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THURSDAY

4th Edition of Innovations and State of the Art in

ALZHEIMER'S & DEMENTIA

September 13-14, 2023 at Barcelona, Spain

12:40-13:00 ----- **TITLE: Economics of the community mechanism: applications to communities in which some members have dementia**

Masao Ogaki, Keio University, Japan

Lunch Break @ Restaurant (13:00-14:00)

Technical Session-III

THEMES: Dementia diagnosis, treatment, Dementia care research and Practice

Session Chairs: Dr .Erwin L. Roggen & Dr. Valerie Gruss

14:00-14:20 ----- **TITLE: Search for miRNAs implicated in a putative Adverse Outcome Pathway (AOP) with the potential to predict sporadic Alzheimer's disease in the preclinical phase**

Erwin L. Roggen, ToxGenSolutions, Maastricht, Netherlands

14:20-14:40 ----- **TITLE: Modelling thermal comfort of older people with dementia living in care homes: an evaluation of heat balance, adaptive comfort and thermographic methods.**

Choo-yoon Yi, The University of Sheffield, United Kingdom

14:40-15:00 ----- **TITLE: The results of dementia community care implementation in rural area of Eastern Taiwan**

Wenting Tseng, Mennonite Hospital Shou_feng Branch, Hualien County, Taiwan

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THURSDAY

4th Edition of Innovations and State of the Art in

ALZHEIMER'S & DEMENTIA

September 13-14, 2023 at Barcelona, Spain

15:00-15:20 ----- TITLE: The future of aging: Utilizing mobile technology to educate the public about Alzheimer's Disease

Valerie Gruss & Memoona Hasnain, University of Illinois at Chicago, USA

15:20-15:40 ----- TITLE: Investigating retention of transfer of motor skills following long-term reconsolidation-based training in healthy younger and older adults

Brian P. Johnson, Washington University in St. Louis, USA

15:40-15:50 Poster presentation

Title: Neurocognitive dysfunction among type 2 diabetes patients attending primary health care in Jeddah, Saudi Arabia

Alshaymaa A. Alshaikh, NGH, Saudi Arabia

(15:50-16:10) Refreshment break

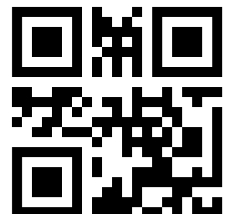
Pannel Discussions

Virtual Scientific Program



Join Zoom Meeting

Meeting ID : 833 6560 1307
Passcode : 390055



Day
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WEDNESDAY

4th Edition of Innovations and State of the Art in

ALZHEIMER'S & DEMENTIA

September 13-14, 2023 at Barcelona, Spain

September 13th, 2023 (CEST -Barcelona Time)

- 11:00-11:20**----- Title: Sleep, physical activity, sedentary behavior, and risk of incident dementia: a prospective cohort study of 431,924 UK Biobank participants
Shuyi Huang, *Fudan University, China*
- 11:20-11:40** ----- Title: The effect of perceived threat avoidability of COVID-19 on coping strategies and psychic anxiety among Chinese college students in the early stage of COVID-19 pandemic
Wenpei Zhang, *Anhui University of Technology, China*
- 11:40-12:00** ----- Title: Vietnamese Version of Cornell Scale for Depression in Dementia at an Outpatient Memory Clinic: A Reliability and Validity Study
Tan Thanh Huynh, *Pham Ngoc Thach University of Medicine, Vietnam*
- 12:00-12:30** ----- Keynote: Microbiota changes associated with Alzheimer's disease risk factors: indicators for protective treatments
Illana Gozes, *Tel Aviv University, Israel*
- 12:30-12:50** ----- Title: Neutralization of Interleukin-17 (IL-17) ameliorates systemic inflammation and peripheral vascular dysfunction associated to Alzheimer's disease
Valentina Vellecco, *University of Naples Federico II, Italy*
- 12:50-13:10** ----- Title: A new prototype of an antiepileptic drug acts mainly at the posttranslational level on a model of maximum electroshock in mice
Artem I. Davletshin, *Engelhardt Institute of Molecular Biology of the Russian Academy of Sciences, Russia*
- 13:10-13:40** ----- Keynote: Neurophysiological Approach by Self-Control of your Stress-related Autonomic Nervous System
Kees Blase, *National Centre Stress management, Netherlands*

Day
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WEDNESDAY

4th Edition of Innovations and State of the Art in

ALZHEIMER'S & DEMENTIA

September 13-14, 2023 at Barcelona, Spain

- 13:40-14:10** ----- **Keynote: Is Alzheimer's disease a disease?**
Amos D Korczyn, *Tel Aviv University, Israel*
- 14:10-14:30** ----- **Title: Alzheimer's Disease: Beyond Neuroinflammation and Immunosenescence**
Stephan Chee, *NHS, UK*
- 14:30-14:50** ----- **Title: How Special care units could support narrativity?**
Valentin INSARDI, *University of Strasbourg, France*
- 14:50-15:10** ----- **Title: Association Between Cognitive Impairment and Motor Dysfunction in Patients with Multiple Sclerosis: A Cross-sectional Study**
Hanadi Matar Alharthi, *King Saud University Medical City, Saudi Arabia*
- 15:10-15:30** ----- **Title: Barriers and facilitators to adherence to exercise groups amongst the population of older people living with dementia in the community**
Rosaria Gracia, *The Open university, UK*
- 15:30-15:50** ----- **Title: Sympathetic Hyperactivity and its Degenerative Consequences in Stem Cell and Mouse Models of Familial Dysautonomia**
Nadja Zeltner, *University of Georgia, USA*
- 15:50-16:10** ----- **Title: Down syndrome and dementia: cognitive measurement and monitoring**
Jordan Harp, *University of Kentucky College of Medicine, USA*
- 16:10-16:30** ----- **Title: Super-resolution neural network-driven mouse cerebrovascular mapping with MION-based MRI**
Xiaoqing Alice Zhou, *Harvard Medical School, USA*
- 16:30-16:50** ----- **Title: A peptide blocking the ADORA1-neurabin interaction is anti-convulsant and inhibits epilepsy in an Alzheimer's model**
Qin Wang, *Medical College of Georgia at Augusta University, USA*

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WEDNESDAY

4th Edition of Innovations and State of the Art in

ALZHEIMER'S & DEMENTIA

September 13-14, 2023 at Barcelona, Spain

- 16:50-17:10** ----- **Title: A novel strategy for Alzheimer's disease treatment using blood/plasma exchange**
- Claudio Soto**, *University of Texas Health Science Center at Houston, USA*
- 17:10-17:30** ----- **Title: Utilizing Timed Categorical Recall (naming U. S. cities) for Rapid Bedside Dementia Screening**
- Charles R. Joseph**, *Liberty University College of Osteopathic Medicine, USA*
- 17:30-17:50** ----- **Title: Clinical Development of a Novel Synaptogenic Molecule to treat Alzheimer's and other Neurodegenerative Diseases**
- Vincent F. Simmon**, *Spinogenix, Inc. USA*
- 17:50-18:10** ----- **Title: APOE genotype mediates differential alterations in HDL particle size distribution and function in patients with Alzheimer's and mild cognitive impairment vs. controls**
- Angela M. Zivkovic**, *University of California, USA*
- 18:10-18:30** ----- **Title: Interferon-induced protein in HIV-1 Associated Neurocognitive Disorders (HAND) and Alzheimer's Disease Pathology**
- Upal Roy**, *The University of Texas Rio Grande Valley, USA*

Day-1 Concludes

Day
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THURSDAY

4th Edition of Innovations and State of the Art in

ALZHEIMER'S & DEMENTIA

September 13-14, 2023 at Barcelona, Spain

September 14th, 2023 (CEST -Barcelona Time)

13:30-13:50 ----- **TITLE: Modelling thermal comfort of older people with dementia living in care homes: an evaluation of heat balance, adaptive comfort and thermographic methods.**

Choo-yoon Yi, *The University of Sheffield, United Kingdom*

13:50-14:10 ----- **Title: Transcriptomic Profiling reveals the key role of the HDAC1 gene in Frontotemporal Dementia**

Amaan Arif, *Amity University Uttar Pradesh, India*

14:10-14:30 ----- **Title: Palliative care in advanced Alzheimer's disease dementia: evaluation of the answers given by caregivers to the accuracy of surprise question, as a prognostic tool.**

Erika Kiyomi Yuyama, *Federal University of Uberlandia, Brazil*

14:30-14:50 ----- **Title: Contributors to cognitive decline in adults**

Graeme Peterson, *Harvard University, USA*

14:50-15:10 ----- **Title: Something New from Something Old: The Stages of Objective Memory Impairment (SOMI) System**

Ellen Grober, *Albert Einstein College of Medicine, USA*

15:10-15:30 ----- **Title: Alzheimer's Drugs: Beyond Antibodies**

Suren A. Tatulian, *University of Central Florida, USA*

15:30-15:50 ----- **Title: Natural α -galactoside- and β -glucoside-specific antibody immune complexes bound to surface O-glycoproteins of circulating platelets prevent aggregation, but dislodge at diabetic glucose levels**

Karthi Sreedevi, *Sree Chitra Tirunal Institute for medical sciences and technology, India*

15:50-16:10 ----- **Title: Transcranial photobiomodulation to improve cognition and behavior/mood in ex-football players with possible chronic traumatic encephalopathy; improved functional connectivity and NAA levels on MRI**

Margaret A. Naeser, *Veterans Affairs Boston Healthcare System, Boston University School of Medicine, USA*

Day
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THURSDAY

4th Edition of Innovations and State of the Art in

ALZHEIMER'S & DEMENTIA

September 13-14, 2023 at Barcelona, Spain

- 16:10-16:30** ----- **Title: Synergistic influence of cytokine genes polymorphisms over the risk of dementia. A Multifactor Dimensionality Reduction Analysis.**
- Teresa Juarez-Cedillo**, *Mexican Social Security Institute, Mexico*
- 16:30-17:00** ----- **Keynote: "Understanding & Curing Age-Related Neurologic Disease"**
- Michael Fossel**, *Telocyte LLC, USA*
- 17:00-17:20** ----- **Title: DYRK1A-interacting proteins, a link between Down's syndrome and its comorbidities**
- Janel Nathalie**, *Paris City University, France*
- 17:20-17:40** ----- **Title: What we know about recognizing older adults who are missing**
- Vicki S.Gier**, *Mississippi State University-Meridian Campus, USA*
- 17:40-18:00** ----- **Title: "Strategic Advance Care Planning": a protocol that defines success as physicians/providers honoring patients' wishes**
- Stanley A Terman**, *Caring Advocates, USA*
- 18:00-18:20** ----- **Title: Federated Deep Learning for Detecting Alzheimer's Disease in Multi-Cohort Brain MRI**
- Dimitris Stripelis**, *University of Southern California, USA*

Day-2 Concludes