In Partnership with University of Pittsburgh

October 19-20th, 2017
International Hotel & Casino, 9007 Golden Sands, Varna, Bulgaria

Wednesday: October 18, 2017
5:30-9:00p.m.   Speakers Dinner

Thursday: October 19, 2017
8:00a.m.   Opening Breakfast
8:00 – 8:30a.m.   Rolling Registration
8:30-8:45a.m.   Welcome Address
Iliya Lefterov, M.D., Ph.D., University of Pittsburgh
Heather M. Snyder, Ph.D., Alzheimer’s Association

8:45-9:30a.m.   Keynote I:
Alzheimer's Disease: from Epidemiology to Therapeutic Opportunities
Philippe Amouyel, M.D., Ph.D.

9:30-9:50a.m.   Break

Session 1: IMMUNE RECEPTORS AND NEUROINFLAMMATION IN ALZHEIMER’S DISEASE
Session Chairs: Gary Landreth, Ph.D. & Michal Schwartz, Ph.D.

9:50-10:10a.m.   The Varied Roles of TREM2 in Alzheimer's Disease Pathogenesis
Bruce Lamb, Ph.D.

10:10-10:30a.m.   Transcriptomic Analysis of Purified Microglia from Human APOE Expressing Mice Reveals Age-Associated Changes
Radosveta Koldamova, M.D., Ph.D.

10:30-10:50a.m.   Innate Immunity Stimulation via TLR9 Agonist, CpG ODN, in a Non-Human Primate Model of Sporadic CAA
Henrieta Scholtzova, M.D., Ph.D.

10:50-11:10a.m.   The Pathological Role of Astrocyte TGFBeta Signaling in Alzheimer’s Disease
Dan Frenkel, Ph.D.

11:10-11:30a.m.   Harnessing the immune system by immune checkpoint blockade to combat Alzheimer’s disease
Michal Schwartz, Ph.D.

11:30-11:50a.m.   Neuroinflammation and the roles of Trem2 in AD risk
Gary Landreth, Ph.D.

11:50-12:10p.m.   Panel Discussion (all session speakers)

12:10-12:30p.m.   Alzheimer’s Europe Activities: Jean Georges, Alzheimer Europe

12:30-1:30p.m.   Lunch & Posters
1:30-1:50 p.m.  Global Research Initiatives of the Alzheimer’s Association  
Maria Carrillo, Ph.D., Alzheimer’s Association

Session 2: TRANSMEMBRANE TRANSPORT, APOE AND AB CLEARANCE  
Session Chairs:  Daniel Michaelson, Ph.D. & Jens Pahnke, M.D., Ph.D.

1:50-2:10 p.m.  Failure of Intramural Periarterial Drainage of Amyloid and Pathogenesis of Alzheimer’s Disease  
Roxana Carare, M.D., Ph.D.

2:10-2:30 p.m.  Impact of APOE Isoform on Microglial Response to Oligomeric Amyloid-beta  
Nicholas Fitz, Ph.D.

2:30-2:50 p.m.  Brain and Peripheral APOE in Cognition and Alzheimer’s Disease  
Guojun Bu, Ph.D.

2:50-3:10 p.m.  Focusing on apoE4 as an Alzheimer's Disease Therapeutic Target  
Daniel Michaelson, Ph.D.

3:10-3:25 p.m.  Blood-brain barrier ABC transporters as treatment target for proteopathies of the brain  
Jens Pahnke, M.D., Ph.D.

3:25-3:45 p.m.  Panel Discussion (all session speakers and Dr. Karl Herrup)

3:45-4:10 p.m.  Break

Session 3: UNDERSTANDING GENOMIC AND EPIGENOMIC CHANGES IN ALZHEIMER’S DISEASE – OPPORTUNITIES FOR DIAGNOSIS AND THERAPY  
Session Chairs:  Heather M. Snyder, Ph.D., & Iliya Lefterov, Ph.D.

4:10-4:30 p.m.  Temporal Tracking of Microglia Activation in Neurodegeneration at Single-Cell Resolution  
Li-Huei Tsai, Ph.D.

4:30-4:50 p.m.  Epigenetic Strategies in Neurodegenerative Diseases  
Andre Fischer, Ph.D.

4:50-5:10 p.m.  Epigenomic Changes Reveal Mechanisms of Microglia Dysfunction in Neurodegeneration  
Elizabeth Gjoneska, Ph.D.

5:10-5:30 p.m.  TBD

5:30-5:50 p.m.  Panel Discussion (all session speakers)

5:50-6:30 p.m.  Keynote III: Karl Herrup, Ph.D.

6:30-6:40 p.m.  Close of Day 1  TBD

6:45-7:45 p.m.  Reception (Sponsored by Roche)

*Dinner on own

Friday: October 20, 2017

7:30 a.m.  Breakfast Served

8:00-8:10 a.m.  Review of Day 1  Anton Tonchev, M.D., Ph.D.

8:10-8:45 a.m.  Keynote II:  
Early Diagnosis of Alzheimer’s Disease  
Liana Apostolova, M.D.

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Session 4: ALZHEIMER’S DISEASE: MOLECULAR MECHANISMS BEYOND SECRETASES
Session Chairs: David Morgan, Ph.D. & Ronit Pinkas-Kramarski, Ph.D.

8:45-9:05a.m. Ameliorating AD pathology - the Effect of Dietary Interventions
Selma Kanazir, Ph.D.

9:05-9:25a.m. Innate Immune Activation Impact upon Alzheimer's-like Pathology in Transgenic Mouse Models
David Morgan, Ph.D.

9:25-9:45a.m. Multi-omics profiling identifies APOE-allele dependent lipid and gene expression patterns in Alzheimer's disease
Iliya Lefterov, M.D., Ph.D.

9:45-10:05a.m. Mechanisms of BDNF Dysregulation in Alzheimer’s Disease
Margaret Fahnestock, Ph.D.

10:05-10:30a.m. BREAK

10:30-10:50a.m. Autophagy and Neurodegeneration: Involvement in Alzheimer’s Disease
Ronit Pinkas-Kramarski, Ph.D.

10:50-11:10a.m. Inhibition of BACE1 for Benefiting Alzheimer’s Disease Patients
Riqiang Yan, Ph.D.

11:10-11:30a.m. Panel Discussion (all session speakers)

11:30-11:55a.m. Industry Perspective: Targeting Innate Immune Mechanisms in AD – Opportunities and Challenges
Irene Knuesel, Ph.D.

Session 5: EARLY DIAGNOSIS – NEUROIMAGING, BIOMARKERS AND BEYOND – PART I
Session Chairs: Gorazd Stokin, M.D., Ph.D. & Radosveta Koldamova, M.D., Ph.D.

11:55-12:15p.m. CSF in AD: What We Know and Don’t Know
Gorazd Stokin, M.D., Ph.D.

12:15-12:35p.m. Imaging Genomics of Memory Processes: from Health to Disease
Andreas Papassotiropoulos, M.D.

12:35-12:55p.m. CSF Biomarkers for Early and Differential Diagnosis of Alzheimer’s Disease
Sebastiaan Engelborghs, M.D., Ph.D.

12:55-1:15p.m. Imaging Neuro-Vascular and Metabolic Deficits in AD Transgenic Models
Bistra Iordanova, Ph.D.

1:15-1:35p.m. Panel Discussion (all session speakers)

1:35-2:30p.m. Lunch & Posters

Session 6: EARLY DIAGNOSIS – NEUROIMAGING, BIOMARKERS AND BEYOND – PART II
Session Chairs: Liana Apostolova, M.D. & Adrian Ivanoiu, M.D., Ph.D.

2:30-2:50p.m. The Role of Apo E in Drug Development
Jakub Hort, M.D., Ph.D.

2:50-3:10p.m. APOE 4 and the Risk of Dementia: Data form Czech Brain Aging Study
Katerina Sheardova, M.D.

3:10-3:30p.m. Genetic Findings in Early Onset Dementia -Report from Serbia
Elka Stefanova, M.D., Ph.D.

3:30-3:50p.m. Longitudinal Associations Between Amyloid and Tau Accumulation and Cognitive Decline in Clinically Normal Older Adults
Bernard Hanseeuw, M.D., Ph.D.

3:50-4:10p.m. Clinical Application of Biomarkers for the Early Diagnosis of Alzheimer's Disease
Adrian Ivanoiu, M.D., Ph.D.

4:10-4:30p.m. Panel Discussion (all session speakers)

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<td>4:30-4:45p.m.</td>
<td>Closing Remarks</td>
<td>Maria Carrillo, Ph.D.</td>
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<td>4:45p.m.</td>
<td>Departures</td>
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