

TEL AVIV אוניברסיטת
UNIVERSITY תל אביב

THE 30th TEL AVIV UNIVERSITY AD CONFERENCE

Sponsored by

Dr. Samuelov
Ministry of Science and Technology
Prajs-Drimmer Institute
Rabin Institute of Neurobiology,
Sagol School of Neuroscience,
Tel Aviv University
TEVA

22.6-23.6/2022

Program

WEDNESDAY, JUNE 22, 2022

Chair: Amos Korczyn

08:45- 09:00 **Greetings: Karen Abraham, Abdussalam Azem**

Session 1:

Chair: Danny Michaelson

09:00 – 09:30 **Moussa Youdim**
Future of AD therapy, why multi target drugs

09:30 – 10:00 **Rudolph E. Tanzi**
Viruses and AD

10:00-10:30 **Ashley Bush**
Iron, ferroptosis and AD

10:30 – 11:00 **Richard Pither**
Clinical application of polygenic risk scores to identify of patients at highest risk of cognitive decline due to AD

11:00-11:10 **Coffee break** 

Session 2:

Chair: David Tanne

11:10 – 11:40 **Nir Giladi**

Physical activity as a protective measure in AD

11:40- 12:10 **Abraham Fisher**

M1 muscarinic stimulation of post-synaptic receptors for the potential treatment and prevention of cognitive decline

12:10 – 12:40 **Colin Masters**

Late onset (sporadic) AD: caused by defective innate immunity and Treated with adaptive immunity

12:40 -13:10 **Amos D Korczyn**

Is AD still a valid target for drug discovery?

13:10 – 13:40 **Round table I**

Chair: **Danny Michaelson**

13:40 – 14:00 **Lunch**



Session 3:

Chair: Dan Frenkel

14:00 – 14:30 **Jesse Cedarbaum**

Inventing AD Therapy: The search for the missing piece(s)

14:30 – 15:00 **Hanna Rosenmann**

Tau and AD: Update and therapeutic application

15:00 – 15:30 **Beka Solomon**

Abeta is the most promising anti-AD target

15:30-16:00 **Yvonne Freund-Levi**

Can we identify diagnostic and prognostic biomarkers in patients with post-COVID that correlate with cognitive changes?

16:00 -16:10 **Coffee break**



Session 4:

Chair: Tamir Ben Hur

16:10 -16:40 **Nir Barzilai**

Discovering resiliency genes to AD

16:40-17:10 **Danny Michaelson**

APOE and AD

17:10 – 17:40 **Hussein Yassine**
Lipid pathology and neurodegeneration

17:40 – 18:00 **Round table II**
Chair: **Dan Frenkel**

THURSDAY, JUNE, 23, 2022

Lectures will be held on
The Raya and Josef Jaglom Auditorium, George S. Wise Senate Building

08:00 -08:30 Registration, Coffee 

Session 5:

Chair: Uri Ashery, Ari Barzilai

08:30 – 08:50 **Illana Gozes**
Mechanism of gene mutations link autism and AD

08:50 – 09:10 **Alon Monsonego**
Evolutionary perspectives of immune aging and neurodegenerative disease

09:10 – 09:30 **Varda Shoshan-Barmatz**
Targeting VDAC1 mitigates brain pathology in models of AD

09:30 – 09:50 **Kobi Rosenblum**
QR2 inhibitors reduce metabolic burden, enhance cognition and reverse AD mouse model Phenotype

09:50-10:10 **Talya Sadeh**
The what, when, why and how of forgetting from episodic memory



10:10-10:30 **Ornit Chiba-Falek**
Insights into the genetic landscape of AD from single-cell lenses

10:30 – 10:40 **Coffee break** 

Session 6:

Chair: Silvia Mandel, Ronit Pinkas-Kramarski

10:40 – 11:05 **Jens Pahnke**
Isotope-labeled amyloid- β does not transmit to the brain in a prion-like manner after peripheral administration

- 11:05 – 11:25 **Dan Frenkel**
The link between tau to beta-amyloid: the glia perspective
- 11:25 – 11:45 **Ruth Maron**
Amelioration of AD in 5XFAD mice with a peptide that reduces APP and tau association
- 11:45 –12:05 **Keren Nitzan**
Long-term effects of exposure to chronic stress during the adolescence period: modulation of Sirtuin-1 expression
- 12:05-12:25 **Eitan Okun**
Maternal antibodies facilitate Amyloid- β clearance by activating Fc-receptor-Syk-mediated phagocytosis
- 12:25-13:05 **Debate:** Is cognitive reserve a real entity?
Yes: **Ramit Ravona-Springer**
No : **Amos D Korczyn**
- 13:05– 13:30 **Lunch** 
- Session 7:**
- Chair:** **Hagit Eldgar-Finkelman, Danny Segal**
- 13:30 – 13:50 **Tamara Shiner**
Survival and progression in GBA-associated dementia with Lewy bodies
- 13:50 – 14:10 **Benedetta Heimler**
Using VR-based cognitive assessment for evaluating cognitive-motor interactions in Parkinson's disease
- 14:10 – 14:30 **Boris Kantor**
ApoE ϵ 4 targeting for efficient and selective epigenome-based CRISPR/CAS- editing
- 14:30 – 14:50 **Nurit Omer**
CSF and Blood biomarkers in Creutzfeldt Jakob disease (CJD)
- 14:50- 15:10 **Or Shemesh**
Subclinical Expression of Herpes Simplex Virus-1 proteins as a Driver for Alzheimer's Disease Pathologies
- 15:10 – 15:30 **Coffee break** 

Session 8:

Chair: Dani Offen, Michael Davidson

15:30 -15:50 **Ramit Ravona-Springer**
Novel virtual reality- based method for objective measurement of apathy in patients with AD

15:50-16:10 **Ido Carmi**
A novel synthetic peptide potentiates synaptic NMDA receptor activity and prevents neuronal apoptosis

16:10-16:30 **Shahar Arzy**
AD as a disorientation disorder: multimodal neuroimaging evidence

16:30-17:05 *Student competition- Short presentations*

Ellon Nabet
Expression of human p16 in astrocytes exacerbate cognitive impairment in 5xFAD mice

Elisabeth Kleeblatt
Inducible senescence in cultured mast cells as a novel model for mast cell ageing

Lior Nechushtai
Impaired autophagy and a synuclein uptake in apoe4 astrocytes

Yuval Z. Katz
Subtyping progressive aphasia: beyond the tripartite classification

Noam Rahav
3D modeling of microglia activity in AD

Vijay Kumar
Amyloid-like fibrils of GlcCer promote alpha-Syn aggregation and toxicity: a pathological link to PD

Sven Marcel Stefan
Membrane-bound transporters as AD drug targets of the future

17:05-17:20 **Amos Korczyn, Danny Michaelson, Danny Frenkel**
Concluding remarks