

The 6th Tel Aviv University Alzheimer's's Disease Conference

The Adam Super Center for Brain Studies, Tel-Aviv University,

Sponsored by the Sourasky Medical Center, Tel Aviv

June 13-14 1999

Program

Sunday, June 13th – Lectures will be held at the Marcelle Gordon University Club (Green House)

.....

08:30 - 08:50 Registration
08:50 - 09:00 Greetings and Opening Address: David Horn

Session I – Molecular Hallmarks of Alzheimer's Disease Neuropathology

Chairperson: D.M. Michaelson

09:00 - 09:20 Amos D. Korczyn
Molecular genetics in dementia

09:20 - 10:00 Tobias Hartmann (Heidelberg)
The role of membrane lipids in the tracking and metabolism of the amyloid precursor protein

10:00 - 10:25 Danny Michaelson
The molecular mechanisms underlying the isoform specific effects of apolipoprotein E in Alzheimer's disease

10:25 - 11:00 Coffee break

11:25 - 11:50 Michal Schwartz
Immune activities are needed for neuronal rescue and repair

11:50 - 12:30 Daniel Laskovicz (Duke University, NC)
Inflammation, apoE and Alzheimer's disease

12:30 - 14:00 Lunch

14:00 - 14:25 Amir Gamliel
Cross talk between presenilins and the apoptotic machinery

14:25 - 14:50 Irit Ginzburg
The role of tau mutations and expression in the pathogenesis of neurodegenerative diseases

Session II – Inflammation and Oxidative Stress

Chairperson: I. Gozes

14:00 - 14:25 Ruth Gabizon
Scrapie infected and PrP knockout mice share abnormal membrane localization and activity of neuronal nitric oxide synthase

14:25 - 14:50 Ayala Hochman
The involvement of free radicals in apoptotic mechanisms in neurodegeneration

14:50 - 15:45 Ari Barzilai
The molecular mechanism of dopamine toxicity in neuronal cells

15:15 - 15:45 Coffee break

- 16:35 - 17:00 **Zeev Grosswasser**
Genetic factors affecting recovery following traumatic brain injury
- 17:00 - 17:25 **Esty Shohami**
Impairments and pharmacological protection of the blood brain barrier following head trauma
- 17:25 - 17:50 **Yoram Cohen**
MRI model studies of the degenerative effects of head trauma

Monday June 14th – Lectures will be held at Hall M-1, Sourasky Medical Center (Ichilov)

.....

Session III – Alzheimer's disease: Mechanisms
Chairperson: M.B. Streifler

- 09:00 - 09:25 **Amos D. Korczyn**
Vascular vs AD
- 09:25 - 09:55 **Ingmar Skoog (Goteborg)**
Blood pressure and dementia
- 09:55 - 10:15 **Coffee break**
- 10:15 - 10:45 **Berislav Zlokovic (University of Southern California)**
Can the blood brain barrier play a role in the pathogenesis of Alzheimer's disease?
- 10:45 - 11:10 **Yoav Chapman**
Dementia in systemic autoimmune disease
- 11:10 - 11:35 **Judith Aharon-Perez**
SPECT studies in dementia
- 11:35 - 12:00 **Zeev Meiner**
CSF biological markers in AD
- 12:00 - 12:35 **Michael Davidson**
Behavioral disturbances in AD
- 12:35 - 14:00 **Lunch**

Session IV – Therapeutic and Neuroprotective Prospects
Chairperson: M. Huberman

- 14:00 - 14:25 **Moussa Youdim**
Is neuroprotection possible in AD
- 14:25 - 14:50 **Abraham Fisher**
Towards treatment and therapy of Alzheimer's disease: A major role of M1 muscarinic receptors
- 14:50 - 15:15 **Israel Silman**
SAR of cholinesterase inhibitors effective in the treatment of AD
- 15:15 - 15:40 **Therese Treves**
State of the art of cognitive treatment in AD
- 15:40 - 15:45 **Conclusion: Amos Korczyn & Danny Michaelson**
- 15:45 - 16:00 **Coffee break**
- 16:00 **Behavioral neurology discussion**
Age-Associated Memory Impairment