

The 5th Tel-Aviv University Alzheimer's Disease Conference

Sponsored by The Souraski Medical Center, Tel-Aviv

The Adams Super Center for Brain Studies, TAU

June 14th-15th 1998

Program

Sunday, June 14th - Lectures will be held at the Marcelle Gordon University Club

08:30 - 08:50 Registration

08:50 - 09:00 Greetings and Opening Address: Prof. David Horn

Session I - Molecular Hallmarks of Alzheimer's Disease Neuropathology

Chairperson: Prof. M. Streifler

09:00 - 09:50 Steven W. Barger

Diverse Influences of the beta-Amyloid Precursor Protein:
Neuronal Life in the Balance

09:50 - 10:20 Beka Solomon

Immuno Modulation of Beta-amyloid Formation *in vitro*

10:20 - 10:50 Reuven Stein

Molecular Mechanisms of Neuronal Apoptosis

10:50 - 11:20 Coffee Break

11:20 - 12:10 Laurent Pradier

APP/ Presenilin Cross Talk: Mapping the APP/Presenilins Binding
Domains

12:10 - 12:40 Daniel M. Michaelson

Model Studies of the Role of APOE in Neurodegeneration and in
Alzheimer's Disease

12:40 - 13:10 Illana Gozes

Neuropeptides APOE and Neurodegeneration

13:10 - 13:40 Amos D. Korczyn

APOE in Alzheimer's Disease and Other Dementias

13:40 - 14:40 Lunch

Session II - Inflammation and Oxidative Stress I

Chairperson: D.M. Michaelson

14:40 - 15:30 Pieter Eikelenboom

Inflammation and Alzheimer's Disease: Relationships between Pathogenic
Mechanisms and Clinical Expression

15:30 - 16:00 Moussa Youdim

The Role of Iron in Oxidation-Induced Neurodegeneration

16:00 - 16:30 Coffee Break

16:30 - 17:00 Esther Shohami

The Role of Acute Inflammatory Response in the Alzheimer's Disease-Like
Neurodegeneration Induced by Experimental Brain Injury

17:00 - 17:20 Joab Chapman

Immunological Models of Neurodegeneration

17:20 - 17:40 Liat Lomnitski

Altered Antioxidant Mechanisms in APOE Deficient Mice

Monday, June 15th - Lectures will be held at Hall M-1, Souraski Medical Center

Session III - Inflammation and Oxidative Stress II

Chairperson: A.D. Korczyn

- 09:00 - 09:50** **Giulio M. Pasinetti**
Cyclooxygenase and Inflammation in Alzheimer's Disease.
Experimental Approaches and Therapeutic Implications
- 09:50 - 10:20** **Michal Schwartz**
The Dialogue between the Immune and the Nervous Systems:
Implications for Rescue and Regrowth of Neurons
- 10:20 - 10:50** **Menahem Segal**
Long Term Potentiation, Oxidative Stress and Aging in the Rodent
Hippocampus
- 10:50 - 11:20** **Coffee Break**

Session IV - Cholinergic Mechanisms in Alzheimer's Disease

Chairperson: A.D. Korczyn

- 11:20 - 11:50** **Marta Weinstock-Rozin**
Effects of the Brain Selective Acetylcholinesterase Inhibitor,
ENA713 in Animal Models of Alzheimer's Disease
- 11:50 - 12:20** **Hermona Soreq**
Molecular Neurogenetics of Cholinergic Transmission:
From Single Events to Long-Term Consequences
- 12:20 - 12:50** **Abraham Fisher**
M1 Agonists: Their Potential Value in Treatment and Therapy of
Alzheimer's Disease - a Unifying Hypothesis
- 12:50 - 13:00** **Concluding Remarks**
- 13:00 - 14:30** **Lunch**

Behavioral Neurology Study Group Inaugural Meeting

14:30 - 15:30

Apolipoprotein E and Dementia

Chair: T.A. Treves, Z. Meiner

- * ApoE, Alzheimer's Disease and Rehabilitation from Head Trauma
G. Friedman, Geriatric Unit, HMC
- * The Neurobiology of ApoE
D.M. Michaelson, TAU

15:30 - 16:30

Language Disorders in Dementia

Chair: E. Ruppin, D. Kidron

- * Language Functions in the Differential Diagnosis of Dementia
A. Ossimani, Kaplan Medical Center
- * The Neurolingual Model and the Differential Diagnosis of Dementia
E. Wertman, Herzog Medical Center

16:30 - 17:00

Coffee Break

17:00 - 18:00

Round Table: Cholinesterase Inhibitors in Alzheimer's Disease

Moderator: A.D. Korczyn

- * Present State of Cholinergic Therapy in Israel
J. Aharon, Rambam Medical Center
- * Cost Effectiveness of Cholinergic Therapy
M. Davidson, Chaim Sheba Medical Center
- * Ethical and Legal Issues
A.D. Korczyn, Tel-Aviv Sourasky Medical Center