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  Heka 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  Ilana 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, Giatric 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