

**Symposium “New approaches in Alzheimer's Disease therapy”
September 21, 2004**

Organizers

Merck, Sharp & Dohme de España
Instituto de Salud Carlos III
Consejo Superior de Investigaciones Científicas

Chairs: Jesús Avila (Centro de Biología Molecular CSIC-UAM)
Pablo Martínez (Instituto de Salud Carlos III)

9:00 *Opening ceremony*

Fernando Peláez (Centro de Investigación Básica, MSD de España)
Representatives of the CSIC and ISCIII

9:15 ***Opening lecture: Aging, the main risk for Alzheimer's Disease***

J. Ávila (Profesor de Investigación, Centro de Biología Molecular S. Ochoa
[CSIC-UAM], Madrid)

9:45 **Social burden of Alzheimer's Disease**

Mercé Boada (Fundación ACE, Barcelona).

10:15 **Current treatments for Alzheimer's Disease**

Pablo Martínez (Instituto de Salud Carlos III, Madrid).

10:45 *Coffee break*

11:15 **Inflammation and oxidative mechanisms in Alzheimer's Disease - novel
therapeutic windows to treatment**

George Perry (Case Western Reserve University, Ohio, USA).

11:45 **IGF-1 signaling in Alzheimer's disease: new therapeutic targets?**

Ignacio Torres-Alemán (Instituto Ramón y Cajal, Madrid).

12:15 **Role of presenilins at the onset of Alzheimer's Disease**

Jordi Pérez i Tur (Institut de Biomedicina de València-CSIC, Valencia).

12:45 **Role of neuronal detergent-resistant membrane complexes in amyloid
peptide generation and degradation**

M^a Dolores Ledesma (Universita degli Studi di Torino, Torino, Italia).

13:15 **Vaccination against beta-amyloid in Alzheimer's Disease**

Roger Nitsch (University of Zurich Medical School, Zurich, Switzerland).

13:45 *Lunch*

- 15:00 **Beta and gamma secretases as targets for the development of new drugs against Alzheimer's Disease**
Ismail Kola (Merck Research Laboratories, Rahway, USA).
- 15:30 **Development of gamma-secretase inhibitors - a complex issue**
Mark Shearman (Merck Research Laboratories, Terlings Park, UK).
- 16:00 **Glycogen synthase kinase-3 (GSK-3) as a therapeutic target for Alzheimer's disease and other neurodegenerative disorders**
Javier Díaz-Nido (Centro de Biología Molecular CSIC-UAM, Madrid).
- 16:30 **Transgenic mice with conditional overexpression of GSK-3beta as an animal model of Alzheimer's Disease**
José Javier Lucas (Centro de Biología Molecular CSIC-UAM, Madrid).
- 17:00 *Discussion and concluding remarks*
All participants
- 17:15 *End of Symposium*