Special Event of the IN:

MONDAY 11 April 2011 – Salón de Actos: 12:00 h

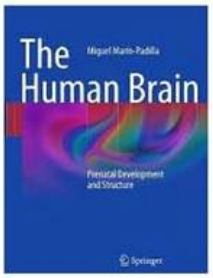
Host: Prof. Salvador Martínez, Vicedirector del Instituto de Neurociencias

Presentation of the book:

The Human Brain: Prenatal Development and Structure

By: Miguel Marín-Padilla
(Author)

This book is unique among the current literature in that it systematically documents the prenatal structural procedure, the classic rapid Golgi procedure, which ensures an unusual and desirable uniformity in the observations. The book is amply illustrated with 81 large, high-quality color photomicrographs never previously reproduced. These photomicrographs, obtained at 6, 7, 11, 15, 18, 20, 25, 30, 35, and 40 weeks of gestation, offer a fascinating insight into the sequential prenatal development of neurons, blood vessels, and glia in the human brain.



Miguel Marín Padilla Miguel Marín Padilla was born in in 1930 Jumilla. He graduated in Medicine in 1955, served one year as a pediatrician in Cartagena, where he gave medical care to all children who were in the hospice. At his 25 years, and without knowledge of English, took his way to America (in his own words "not because I lacked technical resources, but because I wanted learn more and be expose to new experiences"), he managed to enter the US academic and medical world. Dr. Miguel Marín Padilla is Professor Emeritus of Pathology and Pediatrics at Dartmouth University (Hanover, USA) as well as recognized expert by Harvard, Boston and the Mayo Clinic in Rochester. Dr. Marin Padilla has continued the research started Ramón y Cajal in the description of brain development, and added new findings on the structure of the human brain. He has received several awards, among which, the Jacob Javits Award granted by the U.S. Congress to the best research in Neuroscience. He has also received the gold medal of the University of Granada, the honorary medal of the Faculty of Medicine, University of Valencia, medals Cajal's Club of Philadelphia and the Iberoamerican Academy of Pediatric Neurology.

Some publications of reference:

- Marín-Padilla M, Tsai RJ, King MA, Roper SN. Altered corticogenesis and neuronal morphology in irradiation-induced cortical dysplasia: a Golgi-Cox study. J Neuropathol Exp Neurol. 2003 Nov;62(11):1129-43.

- Marín-Padilla M, Parisi JE, Armstrong DL, Sargent SK, Kaplan JA. Shaken infant syndrome: developmental neuropathology, progressive cortical dysplasia, and epilepsy. Acta Neuropathol. 2002 Apr;103(4):321-32. Epub 2001 Nov 21.

- Marín-Padilla M. Cajal-Retzius cells and the development of the neocortex. Trends Neurosci. 1998 Feb;21(2):64-71. Review.