

NRF2-net: Research net on the NRF2 hub of the diseasome

Instituto de Investigaciones Biomédicas "Alberto Sols" UAM-CSIC

Campus of the Medical College, Autonomous University of Madrid, Madrid, Spain

March 31, 2017

9:15-9:30. **Welcome and introduction to NRF2.**

Dr. Antonio Cuadrado

9:30-10:15. **Redox Biology from a clinical perspective**

Dr. Harald Schmidt. Department of Pharmacology and Personalised Medicine, Cardiovascular Research Institute Maastricht, Faculty of Health, Medicine and Life Sciences, Maastricht University, the Netherlands

10:15-11:00. **Integration of oxidative and nitrosative stress in the overall cell death signaling induced by Sorafenib in hepatoma cells**

Dr. Jordi Muntané. Institute of Biomedicine of Seville (IBiS). IBiS/"Virgen del Rocío" University Hospital/CSIC/University of Seville/IBiS/CSIC/University of Seville/CIBERehd, Seville, Spain

11:00-11:45. **Role of Nrf2 in liver diseases**

Dr. Ángela M. Valverde. Instituto de Investigaciones Biomédicas "Alberto Sols" CISC-UAM. Madrid, Spain

11:45-12:30. **Vascular dysfunction and atherogenesis: a biomedical imaging approach**

Dr. Lisardo Bosca. Instituto de Investigaciones Biomédicas "Alberto Sols" CISC-UAM. Madrid, Spain

12:30-14:00. **Lunch**

14:00-14:45. **Cholinergic modulation of microglial function: implication of NRF2**

Dr. Manuela G. López. Departamento de Farmacología y Terapéutica, Instituto Teófilo Hernando de I + D del medicamento Facultad de Medicina, Universidad Autónoma de Madrid. Spain.

14:45-15:30. **Paracrine effects of adipose-derived mesenchymal stem cells in osteoarthritic chondrocytes**

Dr. María José Alcaraz. Department of Pharmacology and IDM, University of Valencia, Burjasot, 46100 Valencia, Spain.

15:30-16:15. **Rheumatoid arthritis from the redox perspective**

Dr. Gina Manda. "Victor Babes" National Institute of Pathology, 99-101 Splaiul Independentei, 050096 Bucharest, Romania.

16:15-16:45. **Coffee break**

16:45-17:30. **Deficiency in the transcription factor NRF2 as a new pathologic mechanism in Alzheimer's disease**

Dr. Ana I. Rojo. CIBERNED and Department of Biochemistry, Medical College, Autonomous University of Madrid. Spain

17:30-18:15. **Repositioning dimethyl fumarate for brain protective therapy in tauopathies**

Dr. Antonio Cuadrado. CIBERNED and Department of Biochemistry, Medical College, Autonomous University of Madrid. Spain

18:15-19:00. **Multitarget drug development of novel NRF2 inducers for the treatment of neurodegenerative diseases**

Dr. Rafael León. Departamento de Farmacología y Terapéutica, Instituto Teófilo Hernando de I + D del medicamento Facultad de Medicina, Universidad Autónoma de Madrid. Spain.

19:00-19:10. **Closing remarks**

Dr. Antonio Cuadrado

