

# **Bench to Bed Research on the Transcription Factor NRF2**

October 19<sup>th</sup>, 2016

One day meeting at the Medical College of Autonomous University of Madrid (La Pagoda).

**10:00-10:10. Welcome introduction.**

*Dr. Juan Antonio Vargas. Dean of the Faculty of Medicine*

**10:10-11:00: Vallecas' and Alzheimer's projects.**

*Drs. Miguel Medina and Alberto Rábano. CIBERNED and Fundación Reina Sofía, Madrid*

**11:00-12:00. Tohoku Medical Megabank Project - A National Enterprise to Realize Personalized Medicine**

*Dr. Masayuki Yamamoto. Tohoku Medical-Megabank Organization, 2-1 Seiryomachi, Aoba-ku, Sendai 980-8575, Japan.*

**12:00-12:30. 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.*

**12:30-13:00. NRF2-mediated neuroprotection by phytocannabinoids in a cellular model of Huntington's disease.**

*Dr. Javier Fernández-Ruiz. Departamento de Bioquímica y Biología Molecular, Facultad de Medicina, Universidad Complutense de Madrid.*

**13:00-13:30. Alzheimer's disease from a redox perspective: The REDBRAIN project.**

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

**13:30-14:30. Lunch**

**14:30-15:00. Metabolomics in NRF2-related regulatory processes**

*Dr. Coral Barbas. Centre for Metabolomics and Bioanalysis (CEMBIO), Facultad de Farmacia, Universidad CEU San Pablo, Madrid.*

**15:00-16:00. NRF2 and inflammatory brain diseases**

*Dr. Masayuki Yamamoto. Tohoku Medical-Megabank Organization, 2-1 Seiryomachi, Aoba-ku, Sendai 980-8575, Japan.*

**16:00-16:30. Nox4 and Nrf2 control of Lung Fibroblast Mitochondrial Biogenesis**

*Verónica Miguel. Centro de Biología Molecular "Severo Ochoa", CSIC-UAM, Madrid.*

**16:30-17:00. Role of Nrf2 in liver diseases**

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

**17:00-17:30. Inflammatory markers and oxidative stress and NRF2 in major depression.**

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

**17:30-18:00. Novel roles of NRF2 in brain pathophysiology.**

*Dr. Katja Kanninen. A.I.Virtanen Institute for Molecular Sciences, Department of Neurobiology, University of Eastern Finland, Kuopio, Finland.*

**18:00-18:05. Closing remarks**

*Dr. Antonio Cuadrado*