

## II Seville Molecular Medicine Workshop

### “Cell Therapy, Molecular Mechanisms and Clinical Translation”

Monday, May 9, 2016

09:00-09:30 Registration and poster installation

09:30-10:00 Welcome address

#### **Session 1. Cell Therapy, general aspects. Chairman: José López-Barneo**

10:00-10:45 Zhiping Pang. “Cellular reprogramming for disease modeling and therapy”

10:45-11:30 Marlen Knobloch. “Metabolic regulation of neural stem cells”

11:30-12:00 Coffee break

12:00-12:45 Simón Méndez-Ferrer. “Environmental regulation of blood stem cells in space and time”

12:45-13:10 Oral communication 1: José Luis Nieto-González. “Cysteine String Protein- $\alpha$  (CSP- $\alpha$ ) maintains the postnatal quiescence of neural stem cells through inhibition of the mechanistic target of rapamycin (mTOR) signaling pathway”.

13:10-13:35 Oral communication 2: Valentina Annese. “Neural crest-derived stem cells contribute to hypoxia-induced physiological angiogenesis in the adult mammalian carotid body”.

13:35-16:00 Lunch, coffee & poster viewing

#### **Session 2. Cell Therapy in Hematology. Chairman: José Antonio Pérez-Simón**

16:00-16:45 Shimon Sakaguchi. “Regulatory T cells: their generation and function”

16:45-17:30 Robert Zeiser. “Modulation of the allogeneic immune response”

17:30-18:00 Coffee break

18:00-18:45 Michael Hudecek. “Adoptive immunotherapy with CAR T cells – emerging opportunities and challenges”.

18:45-19:10 Oral communication 3: Ana Isabel García Guillén. “Murine haemophilia A treatment with amniotic stem cells”.

19:10-19:35 Oral communication 4: Estefanía García-Gerrero. “Engineering of chimeric antigen receptor (CAR)-modified T cells targeting B-cell maturation antigen (BCMA) for immunotherapy of multiple myeloma”.

20:00 Dinner

Tuesday, May 10, 2016

09:30-10:00 Registration

#### **Session 3. Cell Therapy in Neurology. Chairman: Juan José Toledo-Aral**

10:00-10:45 Ernest Arenas. “Cell therapy in Parkinson's disease”

10:45-11:30 Claire M. Kelly. “Cell Therapy in Huntington's disease”

11:30-12:00 Coffee break

12:00-12:45 Isabel Fariñas. “Stem cell-niche interactions in the adult brain”

12:45-13:10 Oral communication 5: Javier Villadiego. “Epigenetic regulation of carotid body GDNF expression by age: Implications for antiparkinsonian cell therapy”.

13:10-13:35 Oral communication 6: Marién Cobo. “Preclinical studies of LentiVIP transduced Mesenchymal Stromal Cells for the treatment of Multiple Sclerosis”.

13:35-14:00 Closing remarks

