



Logroño (La Rioja)



21-22 April 2022

## SSii 2022

### Spanish Symposium on IGFs and Insulin 2022: Implications in Physiology and Disease

21-22 April 2022 – Logroño, Spain

Scientific programme as of 31.01.2022

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#### Thursday 21 (pm):

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**13:00** Arrival and check-in

**14:00** Wellcome and introductory comments:

**Excma. Sra. Consejera de Sanidad** de La Rioja (confirmation pendant)

**Dr. José Ramón Blanco**, Research Director, CIBIR

**Drs. José G. Pichel** (CIBIR, Logroño; CIBERES-ISCIII) and **Isabel Varela** (IIB-AS, CSIC/UAM, Madrid; CIBERER-ISCIII), *SSii 2022* organizers. SEBBM Presentation.

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#### Session 1: IGF1R

**14:30-16:10**, [Chairs: Isabel Varela \(IIBm, CSIC/UAM\) and Andreas Höflich \(Leibniz Institute for Farm Animal Biology, Dummerstorf, Germany\)](#)

**14:30** Control of IGF-1 Receptor signaling by cellular location

*Rosemary O'Connor (University College Cork, Ireland)*

**15:00** Short-term starvation reduces IGF-1 levels to sensitize lung tumors to lung cancer immunotherapy

*Daniel Ajona (CIMA, Pamplona)*

**15:20** Break

**15:30** Implication of IGF1R signaling in respiratory pathologies

*José G Pichel (CIBIR, Logroño; CIBERES-ISCIII)*

**15:50** IGF1R is a mediator of sex-specific metabolism in mice: effects of age and high fat diet

*Patricia Pérez-Matute, (CIBIR, Logroño)*

**16:10-17:20** Coffee break and Poster session



## Session 2: IGFs

**17:20-20:00**, [Chairs: José G Pichel \(CIBIR, Logroño\) and Ignacio Torres \(Achucarro Basque Center for Neuroscience, Leioa, Bizkaia\)](#)

- 17:20** **Insulin-like Growth Factor 1 Signaling in Mammalian Hearing**  
*Isabel Varela-Nieto (IIB-AS, CSIC/UAM, Madrid; CIBERER-ISCIII)*
- 17:50** **Circulating IGF-I and interoception**  
*Ignacio Torres Alemán (Achucarro Basque Center for Neuroscience, Leioa, Bizkaia)*
- 18:10** **Retinal neuroinflammation: a new IGF-1 signaling perspective**  
*Ana Arroba (INiBICA/Hosp. Puerta del Mar, Cádiz)*
- 18:30** Break
- 18:40** **Brain IGF-I regulates hippocampal neurogenesis, synaptic plasticity, and sexual dimorphic behavior**  
*Carlos Vicario (Inst. Cajal, CSIC; Madrid)*
- 19:00** **IGF-1 modulates astrocytic phagocytosis of neuronal debris via PI3K/p110 $\alpha$**   
*Daniel Pinto (Inst. Cajal, CSIC; Madrid)*
- 19:20** **Mechanisms of cancer prevention in congenital IGF1 deficiencies**  
*Haim Werner (Sackler School of Medicine, Univ. Tel Aviv, Israel)*
- 19:40** **Lung organoids in IGF research**  
*Natalia Sánchez (Cytes Biotechnologies, IIS Aragón, Zaragoza)*
- 20:10** Visit to a winery, wine tasting and dinner

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## Friday 22 (am)

### Session 3: Insulin

**8:30-10:50**, [Chairs: Francisco J Salgado \(Univ. of Santiago de Compostela\) and Iciar P. López \(CIBIR, Logroño\)](#)

- 8:30** **Mouse models of insulin resistance and type 2 diabetes**  
*Manuel Benito (UCM, Madrid)*
- 8:50** **Unraveling the role of Protein Kinase D2 in hepatic insulin sensitivity**  
*Patricia Rada (IIB-AS, CSIC-UAM, Madrid; CIBERdem-ISCIII)*
- 9:10** **Insulin receptor activation by proinsulin preserves synapses and vision in retinitis pigmentosa**  
*Catalina Hernández-Sánchez (CIB-MS, CSIC, Madrid)*



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- 9:30** Break
- 9:40** **Impaired insulin and IGF-1 signaling affect brain mitochondria and redox homeostasis**  
*Paula Moreira* (Center for Neuroscience and Cell Biology, Univ. of Coimbra, Coimbra, Portugal). "On line participation"
- 10:10** **Molecular basis involved in the neuroprotection of the GH-IGF axis in different endocrine pathophysiological situations**  
*Laura Frago* (UAM, Madrid)
- 10:30** **The C. elegans insulin pathway: At the hub of the homeostasis**  
*Juan Cabello* (CIBIR, Logroño)
- 10:50** Coffee break and Poster session

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**Session 4: IGFbPs**

**11:50-13:40**, *Chairs: Rosemary O'Connor (University College Cork, Ireland) and Patricia Pérez Matute (CIBIR, Logroño)*

- 11:50** **Functional analysis of IGFbPs in vertebrates**  
*Andreas Hoeflich* (FBN, Institute of Genome Biology, Dummerstorf, Germany)
- 12:20** **IGF-ALS in Severe Allergic Asthma: Another member of the family to come into play**  
*Francisco J Salgado* (Univ. Santiago de Compostela)
- 12:40** Short talk 16 - TBA
- 13:00** **PAPP-A2 and short stature**  
*Jesús Argente* (Hosp. Niño Jesús, IIS La Princesa/UAM, Madrid)
- 13:20** **(PAPPAs and STCs topic); Title TBA**  
*Claus Oxvig* confirmation pendant, (Aarhus Univ., Denmark)

**13:40-14:00** Conclusion and farewell

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**Sponsors:**

