



iCoNscience Forum 2026

International Computational Neuroscience Forum

SCIENTIFIC PROGRAM

20-21 January 2026

**Las Palmas de Gran Canaria,
Canary Islands, Spain**

Aula de Piedra

Rectorado de la ULPGC





20/01/2026 (Opened to the Public)

- 9:00 Registration (Opened until 17:30)
- 9:30-10:00 *Opening Session*
- 10:15-11:30 *From Computational Neuroscience to the Brain I.*
Chairman: Prof. Claus C. Hilgetag
 1. **"Neuroscience Based Psychiatry and Neuromodulation as a Therapeutic and Investigative Tool in the Age of Artificial Intelligence".**
Stefano Pallanti. Istituto di Neuroscienze, Florence, Italy & Stanford University, USA.
 2. **"Combining Multi-level Simulations and Machine Learning to Understand Neural Computing in Health and Disease".** Volker Steuber. University of Hertfordshire, UK.
 3. **"Biological Neurocomputation Group at Universidad Autónoma de Madrid".**
Pablo Varona Martínez. Universidad Autónoma de Madrid, Spain.
- 11:30-12:00 *Coffee Break*
- 12:00-14:00 *From Computational Neuroscience to the Brain II.*
Chairwoman: Prof. Petra Vertes
 1. **"Networks as the Foundation of Human and Artificial Cognition".**
Claus C. Hilgetag. University Medical Center Hamburg-Eppendorf, Germany.
 2. **"NeuroAI Methods in Health Monitoring. Lightweight and Interpretable Approaches to Evolving Health States".**
Fatemeh Hadaeghi. University Medical Center Hamburg-Eppendorf, Germany.
 3. **"AI-driven Brain Digital Twins: Large-scale Biophysical Models of Neuronal Circuits to Study Brain Function and Disease".**
Salvador Durá-Bernal. State University of New York (SUNY) Downstate Health Sciences University, USA.
 4. **"Neurolinguistic Digital Markers for Detection of Neurodegenerative Diseases. A Seed Project for a IUNE Patients Database".** Alberto Domínguez Martínez. Universidad de La Laguna, Spain.



The Marie Curie Chair in Computational Neuroscience

5. **"Fluid biomarkers for Early and Differential Diagnosis of Alzheimer's Disease and Related Dementias: from Clinical Research to Computational Opportunities"**. Ayoze González Hernández. Hospital Universitario de Gran Canaria Dr. Negrín, Spain.

- 14:15-15:30 *Lunch time (for Speakers and Organization)*
- 16:00-17:15 *From Computational Neuroscience to the Brain III.*
Chairman: Assoc. Prof. Salvador Durá-Bernal
 1. **"Joining the dots: Principles of brain network organization in health and disease"**. Petra Vertes. University of Cambridge, UK.
 2. **"What could Artificial Neural Networks Learn from Neuromodulatory Systems?"**. Srikanth Ramaswamy. Newcastle University, UK.
 3. **"From Neuro-AI to Brain Knowledge and Vice Versa"**
Carmen Paz Suárez Araujo. Universidad de Las Palmas de Gran Canaria, Spain.
- 17:30 *Return of the Speakers to the Hotel.*

21/01/2026 (Working Session, Closed Door)

- 9:30-11:00 *Scientific Meeting of Marie Curie Chair in Computational Neuroscience*
- 11:00-11.30 *Coffee Break*
- 11:30-12:30 *Conclusions and Future Actions*
- 12:30 *Closing Session*
- 12:45-16:30 *Excursion to the Northwest of Gran Canaria. Visit to the Canarian Coffee Plantation. Lunch at the Bodega los Berrazales (Agaete)*
- 16:30 *Return to Las Palmas de Gran Canaria*