

ENLIGHT

INTERNATIONAL MINISYMPOSIUM 2026

ADVANCING EDUCATION ON AUTISM SPECTRUM DISORDERS: BRIDGING MOLECULAR, CIRCUITRY AND BEHAVIORAL RESEARCH

April 27th, 2026

Venue: Aketxe auditorium, Sede
Building

Science Park of EHU, Leioa, SPAIN

Registration is required (free).
Deadline: **April 15th 2026**
Attendance certificate provided.
Register here:



Organizers: Olga Peñagarikano, María Domercq
Contact: olga.penagarikano@ehu.eus

Scientific Program

9:00-9:15

Olga Peñagarikano. Faculty of Medicine, University of the Basque Country (EHU), Spain
Opening

9:15-9:45

Jan Bakos. Institute of Physiology, Faculty of Medicine, Comenius University, Bratislava, Slovakia. **Bermuda Triangle: Oxytocin, Dopamine, and GABA in Autism Etiology.**

9:45-10:15

Arjen Boender. Achucarro Basque Center for Neuroscience. Leioa, Spain. **More than one mouse: a comparative neuroscience approach to understanding social diversity.**

10:15-10:45

Melanie Ginger. Neurocentre Magendie, INSERM, University of Bordeaux, France.
Prefrontal alterations underlying cognitive deficits in the Fmr1KO mouse.

10:45-11:15

María Domercq. University of the Basque Country (EHU) and Achucarro Basque Center for Neuroscience, Leioa, Spain. **Early myelin alterations drive circuit dysfunction and behavioral deficits in Cntnap2^{-/-} mice.**

11:15-11:45

Coffee break (provided)

11:45-12:15

Ugo Mayor. University of the Basque Country (EHU). Leioa, Spain. **Angelman Syndrome models allow molecular exploration of autism pathways altered by a single gen.**

12:15-12:45

Andreas Frick. Neurocentre Magendie, INSERM, University of Bordeaux, France.
Neocortical Underpinnings of Atypical Sensory Experience in Autism.

12:45—13:30 Young Scientists' presentations

Barbora Bugar Bodorova. Institute of Physiology, Faculty of Medicine, Comenius University, Bratislava, Slovakia. **Effects of oxytocin on the expression of synaptic proteins in dopaminergic brain regions in a transgenic model of autism.**

Aitor Gutiérrez Jiménez. Achucarro Basque Center for Neuroscience, Leioa, Spain. **A cross-species AAV platform for dissecting the social brain.**

María Prieto. University of the Basque Country (EHU), Leioa, Spain. **Characterizing dopamine dysfunction in a mouse model of ASD.**

Eva Sebakova. Institute of Physiology, Faculty of Medicine, Comenius University, Bratislava, Slovakia. **Elevated fecal bile acids in autism spectrum disorder are linked to gastrointestinal symptoms but not intestinal inflammation.**

13:30 Ending