

INTERNACIONAL WORKSHOPS “CURRENT TRENDS IN BIOMEDICINE”  
2026

*Epigenetic Regulation of Acquired Behaviors in Health  
and Disease.*

International University of Andalucía  
Sede Antonio Machado of Baeza (Jaén)

**DATE: September 29<sup>th</sup> - October 1<sup>st</sup>, 2026**

**Organizers:**

**Angel Barco**, CSIC Research Professor, Instituto de Neurociencias CSIC-UMH, Sant Joan d’Alacant, Alicante, Spain.

**Li Huei Tsai**, Director of the Picower Institute for Learning and Memory and MIT Picower Professor, Cambridge, MA. USA.

**MEETING PROGRAM**

*Monday, September 28<sup>th</sup>*

**18.00-20.00: Registration**

**20.30: Dinner**

*Tuesday, September 29<sup>th</sup>*

**8.00-8.45: Breakfast**

**9.00-9.10: Opening remarks**

***Session I: Epigenetic regulation of activity-driven gene expression in neuronal cells.***

- **9.10-9.45: Hongjun Song**, University of Pennsylvania, USA.  
*Dynamic chromatin interaction induced by neuronal activity and behavior.*
- **9.45-10.20: Angel Barco**, IN UMH-CSIC, Spain.  
*Activity-driven chromatin changes in hippocampal neurons.*
- **10.20-10.35: Short talk selected from abstract.**
- **10.35-10.50: Short talk selected from abstract.**

**10.50-11.20: Coffee break**

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***Session II: Transcriptional and epigenetic control of memory formation***

- **11.20-11.55: Priya Rajasethupathy**, Rockefeller University, USA.  
*Memory across time scales.*
- **11.55-12.30: Ana M. Oliveira**, Central Institute of Mental Health, Mannheim, Germany.  
*DNA methylation regulates the stability of memory engrams.*
- **12.30-13.05: Taro Kitazawa**, Aarhus University, Denmark.  
*Whole-genome single-cell multimodal history tracing reveals neuronal plasticity.*

**13.15: Lunch**

**16.00-18.00: Poster session**

***Session III: Epigenetic mechanisms in cognitive development***

- **18.00-18.35: Nael Nadif Kasri**, Radboud University Medical Centre, The Netherlands.  
*Chromatin-Based Regulation of Network Plasticity in Neurodevelopmental Disorders.*
- **18.35-19.10: Aleksandra Pękowska**, Nencki Institute for Experimental Biomedicine, Poland.  
*Shaping chromatin domain three-dimensional architecture in cell differentiation.*
- **19.10-19.25: Short talk selected from abstracts**
- **19.25-19.40: Short talk selected from abstracts**

**20.30: Dinner**

***Wednesday, September 30<sup>th</sup>***

**8.00-8.45: Breakfast**

***Session IV: Epigenetic mechanisms in neurodegenerative disorders***

- **9.00-9.35: Li Huei Tsai**, Picower Institute for Learning and Memory, USA.  
*The Many Paths to Memory Loss: How Age, Sex, and Genetics interact with Alzheimer's Disease.*
- **9.35-10.10: Sara Marzi**, King's College London, UK.  
*Epigenetic regulation of glial cells in Alzheimer's disease.*
- **10.10-11.45: Anne-Laurette Boutillier**, UDS/CNRS, Strasbourg, France.  
*Astrocyte epigenetic reprogramming by APOE4 increases hippocampal vulnerability in Lewy body dementia.*

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- **10.45-11.00:** Short talk selected from abstracts

**11.00-11.30:** Coffee break

***Session V: Epigenetic mechanisms in aging***

- **11.30-12.05:** **Marija Kundakovic**, Fordham University, NY, USA.  
*Molecular and cellular characterization of the human brain across menopausal transition.*
- **12.05-12.40:** **Shelley Berger**, University of Pennsylvania, USA.  
*Metabolic-epigenetic pathways in brain aging and neurodegeneration.*
- **12.40-13.15:** **José V. Sánchez-Mut**, Instituto de Neurociencias (CSIC-UMH), San Juan de Alicante, Alicante (Spain).  
*Neuronal coupling of CG and non-CG DNA methylation is an evolutionarily conserved mechanism linking aging, development, and synaptic function.*

**13.15:** Lunch

**15.00-17.00:** Poster session

**18.00-20.00:** Guided tour of Baeza

**20.30:** Dinner

***Thursday, October 1<sup>st</sup>***

**8.00-8.45:** Breakfast

***Session VI: Epigenetic mechanisms in psychiatric disorders***

- **9.00-9.15:** Short talk selected from abstracts
- **9.15-9.30:** Short talk selected from abstracts
- **9.30-10.05:** **Tomohisa Toda**, Medizinische Institute für Physik Friedrich-Alexander Universität Erlangen-Nürnberg, Germany.  
*Long-lived molecules in neural plasticity and brain aging.*
- **10.05-10.40:** **André Fischer**, University Göttingen, Göttingen, Germany.  
*RNA-dependent regulation of epigenetic processes: Expanding the druggable space in neuropsychiatric disorders.*

**10.40-11.30:** Roundtable for general discussion, summing up and prospects