



IEC
Institut d'Estudis
Catalans



Societat Catalana
de **BIOLOGIA**

XXXVII Jornada de Biologia del Desenvolupament

Dijous 5 de febrer de 2026

PROGRAMA

9:00 Registration

9:25 Welcome by the Organizers

9:30-10:15 **K. Lenhard Rudolph** (Leibniz Institute on Aging-Fritz Lipmann Institute, Jena, Germany)

Development influences on organism aging

10:15-10:30 Marta Morey (UB-IBUB)

Sex-dependent plasticity of adult neural tissue in response to damage

10:30-10:45 Daniel Moreno-Blas (UB-IBUB)

Cellular senescence is required for planarian regeneration

10:45-11:10 Flash Talks

11:10-11:45 Coffee Break and Poster Session

11:45-12:30 **M. Carolina Florian** (IDIBELL, Barcelona)

Aging and rejuvenation of hematopoietic stem cells

12:30-12:45 Sofia J. Araújo (UB-IBUB)

Centrosome loss in embryonic development disrupts axonal pathfinding and muscle integrity

12:45-13:00 Andrea Martí-Sarrias (UB and Barcelonaβeta Brain Research Center)

Induced by SARS-CoV-2 Infection Promotes Neural Regeneration in Human Brain Organoids

13:00-13:15 Lara Barrio (IRB Barcelona)

Developmental consequences to an organismal trisomy

13:15-14:30 Lunch and Poster Session

14:30-15:15 **Vikas Trivedi** (EMBL Barcelona)

Understanding constraints on multicellular systems

15:15-15:30 Ignacio Maeso (UB- IRBio)

Deep conservation of cis-regulatory elements and chromatin organization in echinoderms uncover ancestral regulatory features of animal genomes

15:30-15:45 Victoria Shabardina (IBE CSIC-UPF)

Origin of cell differentiation in animals

15:45-16:00 Iván Sopena-Majós (UB-IBUB)

ROS-mediated PTEN inactivation regulates regeneration in *Drosophila* gut and wing imaginal disc

16:00-16:30 Coffee Break

16:30-16:45 Anna Guixeras (UB-IBUB)

Smed-cdk-17 regulates eye size during planarian regeneration and homeostasis

16:45-17:00 Akshay Jaya Ganesh (UB)

STAU2 coordinates metabolism and RNA regulation in early human neurogenesis

17:00-17:15 Kaustuv Ghosh (IRB Barcelona)

Fatty acid β -oxidation couples metabolism to epigenetics to orchestrate epithelial growth

17:15-17:30 Poster Award and Concluding Remarks

Organizers

Teresa Adell (UB-IBUB)

Cristina González-Estévez (UB-IBUB)

Sponsor:

