



Institut  
d'Estudis  
Catalans



Societat Catalana  
de **BIOLOGIA**

## **XXV Jornada de Biologia Evolutiva 2026**

*XXV Evolutionary Biology Meeting 2026*

**Organització: Secció de Biologia Evolutiva de la SCB**



Institut d'Estudis Catalans, Sala Prat de la Riba  
Carrer del Carme 47, Barcelona

*22 de Juny de 2026*

**Coordinadora de la Secció:**

Aurora Ruiz-Herrera

**Coordinadora de la Jornada:**

Macarena Toll Riera

Pablo Librado

**Comitè científic del Premi Prevosti:**

Marta Álvarez (Universitat de Barcelona, UB)

Marc de Manuel (Institut de Biologia Evolutiva, IBE)

Eduard Ocaña (Universitat Oberta de Catalunya, UOC)

Catherine Preece (Institut de Recerca i Tecnologia Agroalimentàries, IRTA)

**Patrocinadors:**



clinisciences





## Programa simplificat

### *Simplified program*

9:00 h **REGISTRE / REGISTRATION**

9:25 - 9:30h **BENVINGUDA / WELCOME:** Aurora Ruiz-Herrera, Macarena Toll Riera i Pablo Librado

9:30 - 11:00h **SESSIÓ I / SESSION I** (Modera: Ignacio Maeso)

9:30 - 11:00h **COMUNICACIONS ORALS / ORAL COMMUNICATIONS**

11:00 - 11:30h **PAUSA-CAFÈ / COFFEE BREAK**

11:30 - 13:30h **SESSIÓ II / SESSION II** (Modera: Pablo Librado)

11:30 - 12:20h **CONFERÈNCIA CONVIDADA / KEYNOTE TALK**

12:20 - 13:30h **COMUNICACIONS ORALS CURTES / FLASH TALKS**

13:30 - 15:00h **DINAR / LUNCH**

14:55 - 16:20h **SESSIÓ III / SESSION III** (Modera: Macarena Toll Riera)

14:55 - 15:00h **PRESENTACIÓ SCB Jove / Young SCB**

15:00 - 15:40h **CONFERÈNCIA CONVIDADA / KEYNOTE TALK**

15:40 - 16:20h **COMUNICACIONS ORALS / ORAL COMMUNICATIONS**

16:20 - 16:50h **PAUSA / BREAK**

16:50 - 18:00h **SESSIÓ IV / SESSION IV** (Modera: Mar Albà)

16:50 - 17:25h **COMUNICACIONS ORALS / ORAL COMMUNICATIONS**

17:25 - 18:00h **COMUNICACIONS ORALS CURTES / FLASH TALKS**

18:00h **ANUNCI DEL GUANYADOR/A DEL PREMI PREVOSTI & TANCAMENT DE LA JORNADA / ANNOUNCEMENT OF THE PREVOSTI PRIZE WINNER & END OF THE MEETING**



# Programa detallat

## Detailed program

**9:00 h**      **REGISTRE / REGISTRATION**

**9:25 - 9:30h**    **BENVINGUDA / WELCOME:** Aurora Ruiz-Herrera, Macarena Toll Riera i Pablo Librado

**9:30 - 11:00h**   **SESSIÓ I / SESSION I (Modera: Ignacio Maeso)**

**Manuel Fernández** (*UB, IRBio, CRG & UPF*) – Pervasive co-option of prokaryotic adenine methyltransferases by eukaryotic retrotransposons

**Maria Rosselló** (*UB*) – Co-option of conserved retinal cell types by a male-specific doublesex-related gene underlies the evolutionary origin of the mayfly Turbanate eye

**Laia Marín Gual** (*UAB & IBB*) – Divergent patterns of 3D genome organization across vertebrates

**Israel Campo** (*UPF & CRG*) – Evolutionary landscapes of zygotic genome activation across animals

**Chris Papadopoulos** (*Hospital del Mar Research Institute*) – New Genes in *Saccharomyces*: Novel Antisense and Intergenic transcripts translate into new microproteins

**Maor Knafo** (*IBE*) – Beyond Diffusion: Basal Cognition as the Evolutionary Scaffold for Collective Resilience

**11:00 - 11:30h**   **PAUSA-CAFÈ / COFFEE BREAK**

**11:30 - 13:30h**   **SESSIÓ II / SESSION II (Modera: Pablo Librado)**

**11:30 - 12:20h**   **CONFERÈNCIA CONVIDADA / KEYNOTE TALK**

**Nicolas Galtier** (*Université Montpellier & CNRS*) – Protein re-adaptation

**12:20 - 13:30h**   **COMUNICACIONS ORALS CURTES / FLASH TALKS**

**Angélica Jara** (*IBE*) – Secondary Replicons and Multipartite Genome Organization in Archaea

**Marta Mourin** (*IR Sant Joan de Déu*) – Epigenetic Inheritance of Obesity Phenotypes in mammals: Insights from Small Non-Coding RNAs

**Hajar MHAMMEDI** (*IBB, UAB, INRA Morocco*) – Transposable elements highlight strain genomic variation in *Fusarium* specific *oxysporum albedinis*

**Maria Estarellas** (*IBE*) – Disarming the venom arsenal of *Atractaspis andersonii* through a multi-omics approach

**Ignacio Tenaguillo (UB)** – No sex? No problem! High intraindividual genetic variability in ancient asexual freshwater planarians.

**Laura Becerra (UAB)** – Analysis of Variability and Selection on whole genome resequencing data in the humpback whale (*Megaptera novaeangliae*)

**Hugo Suárez (UB)** – Comparative secretome analysis of *Spauligodon cabrerae* and *Parapharyngodon lilfordi*, two intestinal nematodes associated with the Balearic lizard

**13:30 - 14:55h DINAR / LUNCH**

**14:55 - 16:20h SESSIÓ III / SESSION III (Modera: Macarena Toll Riera)**

**14:55 - 15:00h PRESENTACIÓ SCB Jove / Young SCB**

**15:00 – 15:40h CONFERÈNCIA CONVIDADA / KEYNOTE TALK**

**Marina Marcet (BSC)** – The genomic footprints of an African swine fever virus outbreak in Spain.

**15:40 - 16:20h COMUNICACIONS ORALS / ORAL COMMUNICATIONS**

**Álvaro Redondo (BSC)** – Undetected hybridisation in emerging fungal pathogens

**Silvia Garcia (UB)** – A Population Genomics study of convergent dietary evolution in Canary Islands *Dysdera* spiders

**Vicente Chillida (UAB)** – Sex-specific heat stress responses suggest a role for transposable elements in *Drosophila subobscura*

**16:20 - 16:50h PAUSA / BREAK**

**16:50 - 18:00h SESSIÓ IV / SESSION IV (Modera: Mar Albà)**

**16:50 - 17:35h COMUNICACIONS ORALS / ORAL COMMUNICATIONS**

**Manuel Piñero (IBE)** – Genomic Evidence for Limited Entomophagy in Ancient Europeans

**Juan Carlos Guevara (UPF)** – Reconstructing the demographic history of the Romani people through modern and ancient genomes

**Laura Verdesca (IBE)** – Archaeogenomic insights into a single Islamic community buried in the Tauste necropolis (northeastern Iberia) over four centuries

**17:35 - 18:00h COMUNICACIONS ORALS CURTES / FLASH TALKS**

**David Castellano (University of Arizona)** – Mutator Alleles Constrain How Natural Selection Shapes the Human Mutation Spectrum

**Aris Jiménez (IBE)** – ADMIXGEN: Evolutionary Synthesis of Genomes for Admixed Populations

**Biel Cassà (UB)** – Genome scrambling as an evolutionary engine: from structural plasticity to gene disruption in *Oikopleura dioica*

**Liam Junkin (UB)** – Uncovering cryptic speciation in an ascidian: genome restructuring and centromere expansions in the *Clavelina lepadiformis* species complex

**Marc Palmada (UdG)** – *Leuciscidae* species phylogenomic tree using chromosome level genomes: Evolutionary and taxonomic insights

**Javier Arañó (UB)** – Environmental DNA reveals a potentially novel lineage related to comb jellies (*Ctenophora*)

**Lucía de Uriarte (UB)** – Targeted population genomics from environmental plankton DNA: development of SNP panels for benthic marine species with meroplanktonic larvae

**18:00h**

**ANUNCI DEL GUANYADOR/A DEL PREMI PREVOSTI & TANCAMENT DE LA JORNADA / ANNOUNCEMENT OF THE PREVOSTI PRIZE WINNER & END OF THE MEETING**