



Institut
d'Estudis
Catalans



Societat Catalana
de **BIOLOGIA**



XXX JORNADA DE BIOLOGIA MOLECULAR & 2nd CATCAT DAY

*Secció de Biologia Molecular de la Societat Catalana de Biologia
&
Cell and Tissue Research in Catalonia (CATCAT)*

10 October 2024
IEC, Carrer del Carme 47, Barcelona

PROGRAM

- 9.00-9.30 *Registration*
- 9.30 Welcoming and preliminary remarks
- 9.45 Mechano-signalling regulates cell clearance in the early embryo
Verena Ruprecht (CRG)
- 10.30 Short Talk 1: Spatiotemporal dynamics of protein export from the
 endoplasmic reticulum
 Roger Pons-Lanau (ICFO)
- 10.45 Short Talk 2: Structure and function of Cohen syndrome-associated
 lipid channel VPS13B
 Júlia Mestres Truyol (IRB Barcelona)
- 11.00 Short Talk 3: $G\alpha_q$ regulates the contacts between lysosomes and
 mitochondria and the transport of cholesterol
 Miriam Ferrando Soler (IBMB-CSIC)
- 11.15 *Coffee Break*

- 11.45 Rational optimization of a transcription factor activation domain inhibitor
Xavier Salvatella (IRB)
- 12.30 Short Talk 4: Antiprions: functional variomics to tackle neurotoxic amyloid aggregation
Blanca Poquet (IBMB-CSIC)
- 12.45 Short Talk 5: Polypurine Reverse Hoogsten hairpins as a therapeutic tool both in vitro and in vivo for COVID-19 infection
Verònica Noé (UB)
- 13.00 *Lunch, coffee & posters*
- 15.00 TBA
Nicoletta Liguori (ICFO)
- 15.45 Short Talk 6: The social life of the exocyst: exploring dynamic protein architecture
Laura Betancur (UPF)
- 16.00 Short Talk 7: Polyphosphate degradation by NUDT3Zn²⁺ regulates the architecture of nuclear speckles in human cells
Blanca Lázaro (UIC)
- 16.15 Errors at the beginning of life: aneuploidy and mammalian embryogenesis
Tommaso Cavazza (UZH)
- 17.00 Short Talk 8: Mosaic variegated aneuploidy: a pivotal role of proteostasis failure and mitochondria dysfunction
Amanda González-Blanco (IRB Barcelona)
- 17.15 Short Talk 9: Dissecting the role of polyglutamylation during RanGTP-driven microtubule assembly in *Xenopus laevis* egg extracts
Jacopo Scrofani (CRG)
- 18.00 *Award of the poster/short talk prizes, final comments, beer time*