

IRB PhD Day

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2nd edition

Long Program

October 21st 2025

Institut d'Estudis Catalans
Carrer del Carme 47, Barcelona 08001

9:00h

Registration + Breakfast

9:30h

Open ceremony

📍 *Sala Pere i Joan Coromines*



Dr. Marc
Martí-Renom

Long Talks – Session 1

📍 *Sala Pere i Joan Coromines*



10:00h – Eleonora Barone

The Dr. Jekyll & Mr. Hyde nature of fatty acids in breast cancer metastasis



10:25h – Guillem Pérez

Hitting the Brakes: Replication control under stress

Session chairs:



Dragana
Radivojevikj



Gerard Llibre
Palomar

10:50h

Flash Talks – Session 1

📍 *Sala Pere i Joan Coromines*



Martina Cardinali – *When HPV reaches the oral cavity: microbiome composition linked to HPV infection and vaccination status*



Valentin Cosmin Pletea – *From Embryonic Stem Cells to an Ewing Sarcoma model: genetic engineering meets PhD failure*



Ferriol Calvet – *Clonal selection in normal lung epithelium: smokers vs. never smokers, do they differ?*



Ariadna Torres – *The Tumor Suppressor Strikes Back: Therapeutic restoration of RB activity in cancer*

11:15h

Coffee Break

📍 *Cloister of Institut d'Estudis Catalans*

Long Talks – Session 2

 *Sala Pere i Joan Coromines*



11:45h – Giacomo Mutti

Newly Developed Structure-Based Methods Do Not Outperform Standard Sequence-Based Methods for Large-Scale Phylogenomics



12:10h – Inés García Pérez

Chopping KRAS: unmasking the resistance mechanisms

Session chairs:



**Gema Rojas
Granado**



**Levente
Zodi**

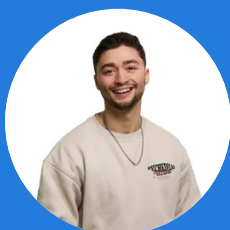
12:40h

Flash Talks – Session 2

 *Sala Pere i Joan Coromines*



Elena Pareja Lorente – *Enhancing Perturbation Representation Using Single Cell Foundation Models*



Dylan Dalton Martínez – *Unveiling disease connections through molecular signatures*



Luis Nieto Barrado – *During my PhD, I developed many skills*



Josefina Galván – *Dissecting when, where, and how immune responses go awry in pancreatic cancer*

13:00h

Lunch Break

 *Cloister of Institut d'Estudis Catalans*

14:00h

Poster Session 1



Cloister of Institut d'Estudis Catalans

Short Talks – Session A



Sala Pere i Joan Coromines



15:00h – Luis Carlos Rodríguez

Not only mutations: the power of transcriptional modulation in leukemia



15:15h – Rameez Jabeer Khan

Unveiling Nucleosome Landscapes: Structural Insights into Pioneer Factor Interactions



15:30h – Ana Contreras Pereda

Characterising the role of mTOR in cell stress adaptation



15:45h – Kaustuv Ghosh

Fat or Sugar: the metabolo–epigenetic axis of tissue growth and architecture

Session chairs:



José Gabriel
Álvarez Meytaaler



Olga
Roman

Short Talks – Session B

 *Sala Nicolau d'Owler*



15:00h – David Farré Gil

Using Coarse-Grained simulation of Chromatin for understanding UV damage



15:15h – Guillem Posas Solanes

The role of Schwann Cells in aging-dependent tissue decline



15:30h – Martí Sidro Inglés

Left Hand, Right Hand: Why Life Depends on a Mirror



15:45h – Paula Sánchez Fernández de Landa

VPS13: Handling Lipid Drama in the ER

Session chairs:



**Patricia
Ferrer Torres**



**Aikaterini
Sfyaki**

16:00h

Poster Session 2

 *Cloister of Institut d'Estudis Catalans*

Long Talks – Session 3

📍 *Sala Pere i Joan Coromines*



17:00h – Natalia Castillo

How Degraders Shake Up the MHC-I Peptidome: Mapping the Link Between Targeted Protein Degradation and Immuno-Oncology



17:25h – Raquel Blanco

Sex and smoking bias in the selection of somatic mutations in human bladder

Session chairs:



**Marta
López Osias**



**Júlia
Bonjoch**

Closing ceremony

18:00h

Cool-off

Special edition

📍 *Cloister of Institut d'Estudis Catalans*

Organisers



Emily
Middendorp



Maria
Martelo



Pedro
Sánchez



Andrea
Zingaro



Katarzyna
Wierzbicka



Dèlia
Ferrando



Olivia
Dove



Anastasia
Herrero



Carlota
Odena



With the collaboration
of Mario Arjona



Societat Catalana
de **BIOLOGIA**

Event organised by IRB Barcelona
& Societat Catalana de Biologia