

IRB Barcelona PhD Retreat Programme

Friday 14th November

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| 8:30 – 9:00 | Registration |
| 9:00 – 9:15 | Welcome by Raúl Mendez, IRB Group Leader and head of the PhD Committee |
| | <u>Session 1</u> |
| 9:15 – 10:00 | Invited speaker, Dr. Carlos Garcia-Echeverria , Global Head of Small Molecule Drug Discovery at Sanofi-Aventis. "Unleashing pharma drug discovery" Chair: Julia Garcia, PhD Student. |
| 10:00 – 10:15 | Josep Garcia Garcia , Chemistry and Molecular Pharmacology Programme, IRB Barcelona. "New strategies based on nanosystems to facilitate the crossing through biological barriers" . |
| 10:15 – 10:30 | Giorgia Testoni , Molecular Medicine Programme, IRB Barcelona. "The many facets of glycogenin" . |
| 10:30 – 10:45 | Pedro Sfriso , Structural and Computational Biology Programme, IRB Barcelona. "Exploring protein conformational space hand in hand with evolution" . |
| 10:45 – 11:00 | Aleix Bayona , Cell and Developmental Biology, IRB Barcelona. "Drosophila Linker histone H1 prevents DNA replication stress" . |
| 11:00 – 11:30 | Coffee Break |
| | <u>Session 2</u> |
| 11:30 – 11:45 | Pau Rocas-Alonso , Chemistry and Molecular Pharmacology Programme, IRB Barcelona. "Installing multifunctionality on titanium with RGD-decorated polymeric nanocapsules: Towards new osteointegrative therapies" . |
| 11:45 – 12:00 | Jordina Guillén , Molecular Medicine Programme, IRB Barcelona. "CPEB4 hyperphosphorylation is required for its function in the meiotic cell cycle" . |
| 12:00 – 12:15 | Anabel-Lise le Roux , Chemistry and Molecular Pharmacology Programme, IRB Barcelona. "Biophysical Studies of Myristoylated Unique and SH3 Domains of Src Kinase and their Interaction with Lipid Membranes" . |
| 12:15 – 13:00 | Invited speaker, Dr. Georgina Sorrosal de Luna , Innovation Manager at VHIR. "Bio- options" beyond the bench Chair: Marco Milán, IRB Group Leader. |
| 13:00 – 14:30 | Lunch |
| 14:30 – 15:00 | Time for: Check in - Hang Posters |
| 15:00 – 16:30 | Workshop, Dr. Helena Gonzalez , Public Engagement and Science Education Office at IRB Barcelona. "Science Communication Workshop" Chair: Rosa María Ramírez, PhD Student |
| 16:30 – 17:00 | Coffee Break |
| | <u>Session 3</u> |
| 17:00– 17:15 | Francisco Freixo , Cell and Developmental Biology, IRB Barcelona. "Novel roles for the mitotic kinase Nek7 in post-mitotic neurons" . |
| 17:15– 17:30 | Giulio Chiesa , Chemistry and Molecular Pharmacology Programme, IRB Barcelona. "Androgen receptor oligomerization in spinal bulbar muscular atrophy: a study at the residue level" . |
| 17:30– 17:45 | Jarosław Walczak , Nencki Institute of Experimental Biology, Warsaw, Poland. "Mitochondrial stress in sporadic and familial form of ALS" . |
| 17:45– 18:00 | Simone Pieretti , Structural and Computational Biology Programme, IRB Barcelona. "Structural characterization of the DNA uptake machinery in gram-positive bacteria" . |
| 18:00– 19:00 | Poster Walk |

19:00– 20:00 Free time
20:00– 21:00 Dinner
21:00– 24:00 Bar time!

Saturday 15th November

Session 4

09:00 – 09:15 **Salvador Pérez-Montero**, Cell and Developmental Biology, IRB Barcelona. *“The Drosophila histone H1 variant, dBigH1, regulates zygotic genome activation and plays an essential role in germline development”* .

09:15 – 09:30 **Sílvia Vilapinyó-Pascual**, Chemistry and Molecular Pharmacology Programme, IRB Barcelona. *“Low-n A β oligomers: globular structure and well-defined cross-linked mimics”* .

09:30 – 09:45 **Malgorzata Hanna Hall**, Nencki Institute of Experimental Biology, Warsaw, Poland. *“One of the components of neuronal nuclear architecture: PML nuclear bodies”*

09:45 – 10:00 **Elena Álvarez-Marimon**, Molecular Medicine Programme, IRB Barcelona. *“Structural bases for the interaction and stabilization of the human amino acid transporter LAT2 with its ancillary protein 4F2hc”* .

10:00 – 11:00 Poster Session

Session 6

11:30 – 11:45 **Enrique J Arenas**, Oncology Programme, IRB Barcelona. *“RARRES3 suppresses breast cancer lung metastasis by regulating adhesion and differentiation”*

11:45 – 12:00 **Benjamí Oller-Salvia**, Chemistry and Molecular Pharmacology Programme, IRB Barcelona. *“FROM BEE VENOM TO BLOOD-BRAIN BARRIER SHUTTLES: apamin derivatives are capable of transporting antibodies across the barrier”*

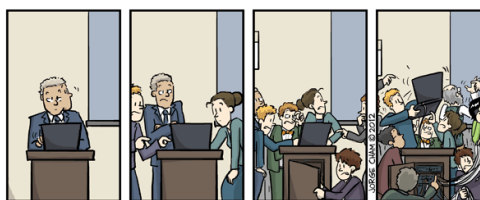
12:00 – 12:45 Invited speaker, **Dr. David Vilchez**, Principal Investigator at CECAD. *“Proteostasis of aging and stem cells”*
Chair: Marion Salzer, PhD Student.

12:45 – 13:00 Closure by Raúl Mendez, IRB Group Leader and head of the PhD Committee

13:00 – 14:30 Lunch

14:30 – 16:30 Fun Sport!

Q: HOW MANY PH.D.'S DOES IT TAKE TO GET A POWERPOINT PRESENTATION TO WORK?



ANSWER: (n+1)

WHERE n = THE NUMBER OF ACADEMICS IN THE ROOM WHO THINK THEY KNOW HOW TO FIX IT, AND 1 = THE PERSON WHO FINALLY CALLS THE A/V TECHNICIAN.