

Emerging Leaders in Biomedicine

Shaping the Future: Networking Event for Barcelona's Early Career Researchers

26 September 2024

- 8:30 - 9:00 Arrival and registration
- 9:00 - 9:10 Welcome by **Alejandro Piris** (Chief Scientific Officer, VHIO)
- 9:10 - 10:00 **Keynote Lecture:** The Long (and bumpy) Journey to Develop a Clinically Viable MYC Inhibitor. **Laura Soucek** (VHIO/ PEPTOMYC)
- 10:00 - 11:00 **Short Talks Session I - Genetics, Epigenetics and Molecular Bases of Disease**
- Noelia Fernandez Castillo** (UB). "Pleiotropic Genes in Psychiatric Disorders"
 - Bernardo Rodriguez** (CRG). "Long-read Technologies for the Study of Repetitive DNA and Genomic Variation"
 - Maria Victoria Neguembor** (CRG/IBMB). "Chromatin Folding in Super-Resolution: Unraveling the Mechanisms Controlling Chromatin Folding with Nanoscopy"
 - Berta Nieves Vázquez** (IJC). "Epigenetic Maintenance of Genome Integrity and Its Influence on Mammalian Aging"
 - Miguel Martin Perez** (IRB). "Palmitoylation of Histone H3: When Histones Get Greasy"
 - Hector Garcia Seisdedos** (IBMB). "Supramolecular Assemblies in Health and Disease"
- 11:00 - 11:20 Networking with coffee
- 11:20 - 11:35 AstraZeneca Global Hub in Barcelona: Fostering a Strong R&D Ecosystem
- 11:35 - 13:05 **Short Talks Session II. New approaches to oncological research**
- Mate Maus** (VHIO). "Translating Aging Research into Oncology Practice: Targeting Metabolic Shifts in the Aging Microenvironment for Improved Health Outcomes"
 - Carlos Sebastian Muñoz** (UB). "Phenotypic and Functional Characterization of Metabolic Heterogeneity During Cancer Initiation and Progression"
 - Silvia Casacuberta** (VHIO). "MYC Inhibition by Omomyc Reprograms Tumor Immunity and Enhances Immunotherapy Efficacy in NSCLC"
 - Silvana Maas** (VHIO). "Exosome-Related Changes in DNA Methylation Linked to Early-Onset Colorectal Cancer"
 - Adel Al Jord** (CRG). "From Fertility to Breast Cancer: Mechanical Regulation of Nuclear Biomolecular Condensates?"
 - Gerardo Ferrer Aguilar** (IJC). "PVR Epigenetic Status Mediates Adoptive Cell Therapy and Anti-TIGIT Response in Multiple Myeloma"
 - Steffen Grosser** (IBEC). "Cell Motility and Dynamics in Multicellular Systems and Cancer"
 - Aranzazu Villasante** (IBEC). "Bioengineered Pediatric Cancer Models for Nanotech Innovations"
 - Alexandra Avgustinova** (IRB). "Cancer During Development: Questions, Challenges, and Approaches"
- 13:05 - 13:55 Networking lunch
- 14:00 - 15:00 **Short Talks Session III. Stem cells and modeling**
- Susanne van den Brink** (IJC). "Haemogenic Gastruloids: A Novel Approach to Study Healthy and Leukemogenic Haematopoiesis In Vitro with Embryonic Organoids"
 - Valentina Sica** (UPF). "Circadian Clock and Muscle Stem Cells"
 - André Dias** (UPF). "Exploring the Signaling-Dependent Modularity of the Mammalian Gastrulae in the Development of 3D Stem Cell Embryo Models"
 - Amayra Hernandez Vega** (IBEC). "Tau Initial Solid Transition in Axons and Its Effect on Axonal Transport"
 - Ulrich Eckhard** (IBMB). "Functionalization of Bacterial Flagella for Biotechnology and Biomedicine"
 - Roberta Haddad Tolly** (IDIBAPS). "Programming the Maternal Brain: How Pregnancy Reshapes Brain and Behavior"
- 15:00 - 16:00 **Round Table:** Perspectives from Industry: Spin-offs, Start-ups, and Tech Transfer:
Júlia Domingo (ALLOX), **Ana Portela** (Xenopat), **André Guedes** (Flomics), **Alejo Chorny** (AdBio), **Avencia Sanchez** (Integra Therapeutics)
- 16:00 - 16:20 Networking with coffee
- 16:20 - 17:50 Interactive Reflective Development Workshop, Kintsugi Coaching
- 17:50 - 18:00 Closure: Organizing Team