



CMCiB Symposium

5 years enabling pioneering
biomedical research

JULY 9, 2024

Museu de la Ciència CosmoCaixa,
c/ Isaac Newton, 26, Barcelona

More information:

[Events](#) | [IGTP \(germanstrias.org\)](http://IGTP.germanstrias.org)

ORGANIZED BY



CMCiB
Comparative Medicine & Bioimage
Centre of Catalonia



Germans Trias i Pujol Research Institute

TECHNICAL SECRETARIAT



8:30 h	Registration	
9:00 h	Institutional welcome	
9:15 h	Imaging Targets for Personalized Prevention of Cardiovascular Diseases	Dr Joao Lima , Professor School of Medicine, Johns Hopkins Bloomberg School of Public Health, USA
9:45 h	CMCiB then and today	
9:50 h	Session 1: Can Ruti Campus Research Success Stories	
	The Power of the Fly	Dr Pere-Joan Cardona , Group Leader Clinical and Experimental Microbiology, IGTP
	Preclinical Models for Understanding Intratumor Heterogeneity and Cellular Hierarchies	Dr Verónica Rodilla , Head of Cancer Heterogeneity and Hierarchies Group, Josep Carreras Leukaemia Research Institute
	Novel Virus-Like Particle (VLP) Platform for Neoantigen-Based Melanoma Vaccines: a New Frontier in Immunotherapy	Dr Carmen Aguilar , Senior Research Scientist Cell Virology and Immunology, IrsiCaixa
	Key Role of Experimental Models in Type 1 Diabetes Immunotherapy: Treatment and Biodistribution	Dr Marta Vives Pi , Group Leader Immunology of Diabetes, IGTP and Scientific Director at Ahead Therapeutics SL
	Advancing Toward Personalized Medicine in Stroke: Innovative Models Tailored for Effective Translation	Dr Teresa Gasull , Group Leader Cellular and Molecular Neurobiology, IGTP
	Overall discussion	
11:00 h	Coffee break & Networking	
11:30 h	Session 2: Patient Oriented Research and Surgical Training Success Stories	
	CMCiB & HIPRA: a Collaborative Approach in Times of COVID Emergency	Ricard March , CEYC, Preclinical and Clinical Development R&D Director, HIPRA
	Exploring the Limits of Irreversible Brain Damage: Monitoring the Brain in a Pediatric Animal Model of Suspended Animation	Dr Joan Sánchez de Toledo , Head of the Heart Area and the Pediatric Cardiology Department, SJD Barcelona Children's Hospital
	Histotripsy by HistoSonics: Targeting Tumor Tissue Disruption and Immune Response Activation with Non-Invasive Bubbles	Dr Joan Vidal-Jové , Medical & Research Consultant HistoSonics Inc., USA
	Isaac Asimov was NOT Right: Finally, Robot Killed the Surgical Star	Dr José M. Balibrea , Head of Endocrine-Metabolic & Bariatric Surgery Unit, Germans Trias i Pujol University Hospital
	iVascular, From Medical Device Design to Commercialization	Natalia París , Global Marketing Director, iVascular
	Overall discussion	

12:40 h	Session 3: Role of Imaging in Personalized Medicine	Chair: Dr Victoria Delgado , Scientific Director CMCiB, IGTP
ROUND-TABLE BIOIMAGING		
	Connecting the Dots to Facilitate Research in Bioimaging	Dr Gemma Monté , Head of Bioimaging CMCiB, IGTP
	Artificial Intelligence in Cardiovascular Imaging	Dr Victoria Delgado , Scientific Director CMCiB, IGTP
	Artificial Intelligence in Epidemiological Studies	Dr Joao Lima , Professor School of Medicine, Johns Hopkins Bloomberg School of Public Health, USA
	Current Status of Cardiac Digital Twin Models	Dr Bart Bijmens , ICREA Research Professor, UPF
	Opportunities and Threats in Population Imaging Responsible Research	Dr Maria de la Iglesia , Principal Investigator Unidad Mixta de Imagen Biomédica, FISABIO-CIPF
13:40 h	Closure, Appetizers and Drinks	

The symposium will be conducted by **Pere Renom Vilaró**, biologist and science communicator.

The program "*CMCiB symposium: 5 years enabling pioneering research*," organized by the Comparative Medicine and Bioimage Centre of the Germans Trias i Pujol Research Institute, certifies 5 hours of continuing education in Laboratory Animal Science for the accreditation of functions A, B, C, D, E, and F, for all species.



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