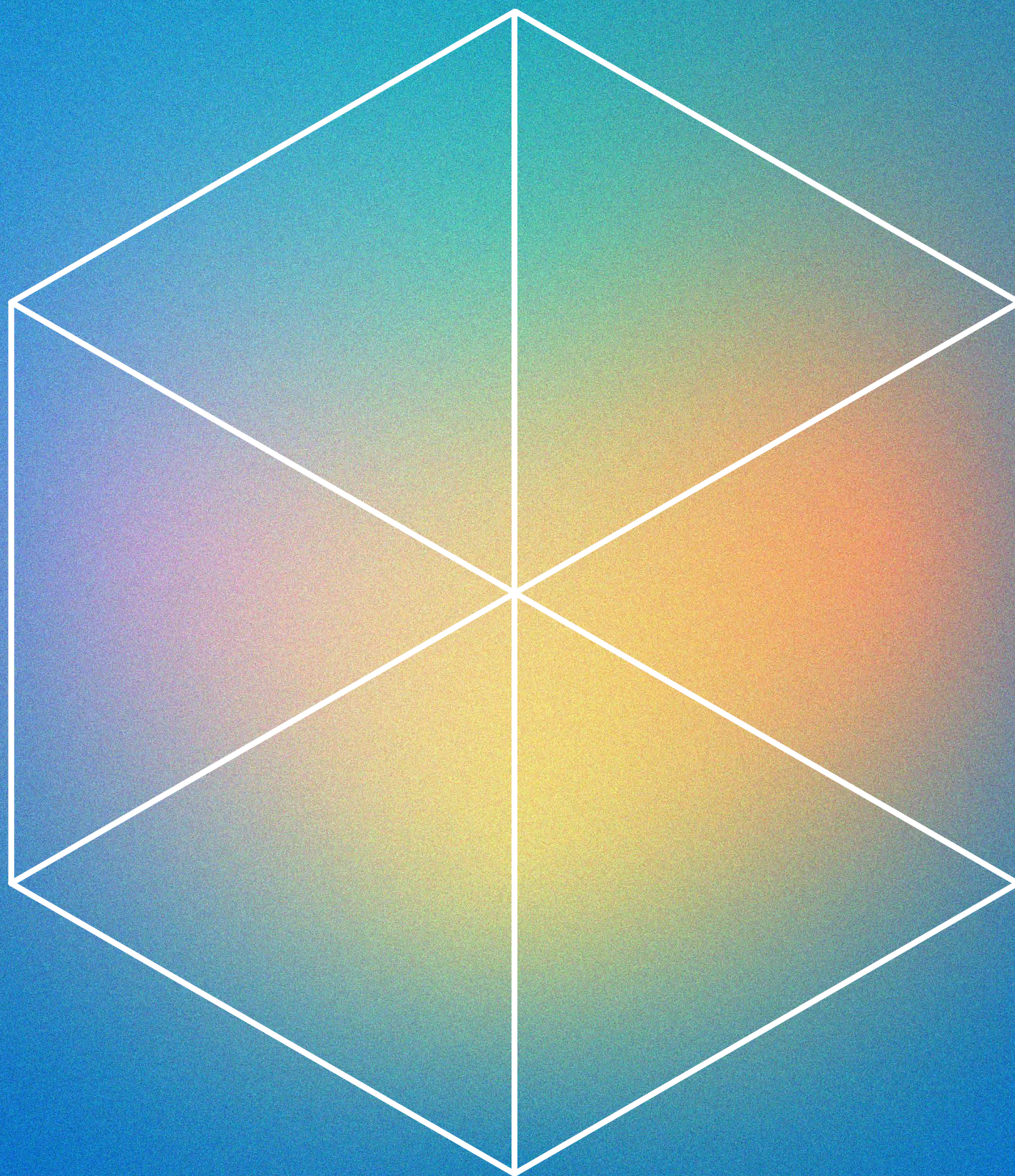


CiBB meeting 2025

December 18, 2025

Quartel das Artes, Oliveira do Bairro



CiBB is an FCT-funded R&D Unit (UID/04539/2025; UID/PRR/4539/2025) and an Associate Laboratory (LA/P/0058/2020)

Program

December 18, 2025

Quartel das Artes, Oliveira do Bairro

8:30 **Registration**

9:15 **Welcome session**

Arsélio Pato de Carvalho (Honorary President of CNC-UC)

Duarte Novo (President of Oliveira do Bairro City Council)

9:45 **What is CiBB — Past, present and future**

Luís Pereira de Almeida (CiBB Coordinator)

10:15 **Keynote session: Bioelectricity as a unifying language across life - from cells to ecosystems**

Paulo R. F. Rocha (Bioelectronics & Bioenergy Research Lab, Centre for Functional Ecology-Science for People & the Planet, Associate Laboratory TERRA, Department of Life Sciences University of Coimbra | ERC Laureate)

Chair: Ana Luísa Carvalho (CNC-UC & CiBB)

11:15 **Coffee break**

11:30 **CiBB flash talks**

Harnessing small molecules to facilitate dendritic cell reprogramming | Mariana Gonçalves (IT area)

Fisetin and CMS121 attenuate palmitic acid-induced lipid alterations and oxidative stress in SH-SY5Y neuronal-like cells | Débora Mena (HC area)

Co-designing infographics with and for Autoimmune Encephalitis patients and professionals | Ana Vasconcelos (ND area x SciComm)

Umbilical cord mesenchymal stem cells restore the viability and mitochondrial function of cryopreserved ovarian grafts | Inês Moniz (MAD area)

Systematic identification of bacterial factors driving *Staphylococcus aureus* intracellular lifestyle in non-professional phagocytes | Inês Rodrigues Lopes (IT area)

Beyond the berry: Blueberry leaf derivatives as emerging nutraceuticals for Multiple Sclerosis | Carolina Ferreira (MAD area)

Chairs: Bárbara Gomes (iCBR-FMUC & CiBB) & **Alessio Vagnoni** (MIA-Portugal & CiBB)

12:30 **Session with Secretary of State for Science & Innovation**

Helena Canhão (Portuguese Government)

(Online session)

Chair: Luís Pereira de Almeida (CNC-UC, GeneT & CiBB)

13:00 **Lunch**

14:30	Fish bowl session: Engaging minds, empowering communities — bridging science and society Joaquim Almeida (Agrupamento de Escolas de Oliveira do Bairro) Gabriela Ribeiro (iCBR-FMUC & CiBB) Sónia Ferreira (IEC - Instituto de Educação e Cidadania, Mamarrosa) Ricardo Gonzalez (Escola Secundária Marques Castilho, Águeda) Chairs: Sara Varela Amaral (CNC-UC & CiBB) & Ana Santos Carvalho (CNC-UC, GeneT & CiBB) <i>This session is organized in partnership between CiBB and the IEC, enabling the participation of high-school teachers and students. As it is open to the broader school community, the session will be conducted in Portuguese.</i>
15:30	Keynote session: Matrix-inspired biomaterials and bioprinting approaches for tissue engineering Rúben Pereira (i3S - Institute of Research and Innovation in Health, University of Porto & ICBAS -Institute of Biomedical Sciences Abel Salazar, University of Porto ERC Laureate) Chair: Lino Ferreira (CNC-UC & CiBB)
16:30	Coffee break
17:00	CiBB flash talks FMRP mediated BDNF-induced upregulation of GluN2B-containing NMDA receptors: role for LTP in CA1 synapses Elisa Corti (ND area) Protective effect of naringenin against LPS-induced blood-brain barrier disruption and behavioral alterations Daniela Simões (HC area) Establishment of a scalable neuronal reporter model of Machado-Joseph disease based on gene-edited patient cells as a platform for high-throughput drug repurposing Frederico Pena (IT area) Human CASPR2 autoantibodies disrupt neuronal network excitability through binding to the CASPR2 shed ectodomain Débora Serrenho (ND area) Mitochondrial dysfunction triggers a maladaptive peroxisomal response disrupting lipid homeostasis: a peroxisome-lipid droplet-mitochondria axis in metabolic stress Patrícia Coelho (MAD area) Unveil the role of Cx43 in the crosstalk between the tumor and the heart Maria Vasconcelos-Cardoso (MAD area) Chairs: Henrique Girão (iCBR-FMUC & CiBB) & Teresa Cruz (CNC-UC & CiBB)
18:00	Closing session CiBB meeting 2025 Organizing Committee & Yo-Yo Dance performance
18:30	CiBB social gathering - beer for thought & science fair UpCycling GreenLabsCiBB Brian the neuron — Inside out Synapse Architecture The reprogrammers Immune Cell Reprogramming GenExpress Vectors, Gene and Cell Therapy Group x Science Communication Office Face your fears Neurobiology of Mental Disorders That is (not) an easy question Biology of Human Reproduction and Infertility Group x Science Communication Office Brain Gain Several ND groups x Science Communication Office Synaptic village Synapse Biology Group
19:30	Dinner
21:00	After party