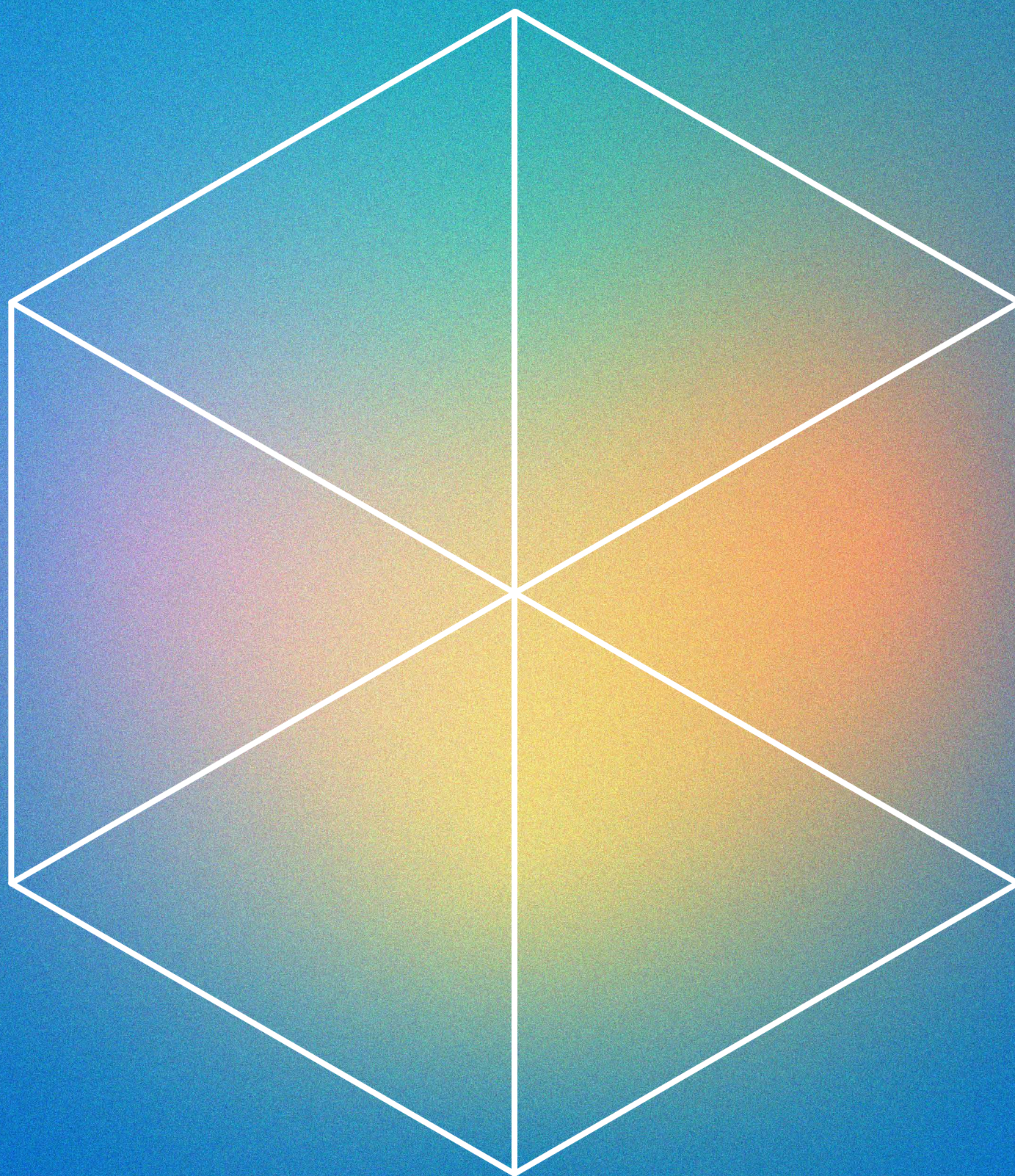


# CiBB meeting 2025

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**



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