





## IBRO 2023 Programme Schedule

PLENARY LECTURE	PARALLEL SYMPOSIUM	SPECIAL LECTURE	SPECIAL INTEREST EVENT	WORKSHOP
POSTER SESSION	EARLY CAREERS SESSION	NETWORKING EVENT	STUDENTS SESSION	SPONSORED SYMPOSIUM



\*  - Pre-registration required

\*\*The programme remains subject to change

**SATURDAY, 09 SEPTEMBER 2023**

Time	AUDITORIO LORCA	ANDALUCÍA I + II + III	PICASSO + MACHADO	ALBENIZ + MACHUCA	MANUEL DE FALLA	SALA U1	SALA U2	COMMERCIAL EXHIBITION & POSTER AREA
09.00 - 12.00						STUDENT'S SYMPOSIUM	09:00-11:00  PRE CONGRESS- WORKSHOP 1 QUANTITATIVE IMAGING I 11:20-13:50  PRE CONGRESS- WORKSHOP 2 QUANTITATIVE IMAGING II	
12:00-13:00	BREAK				12:00-13:30	12:00-13:30	BREAK	
13:00-14:00					INDUSTRY SYMPOSIUM 1	INDUSTRY SYMPOSIUM 2		
14:00-16:00	<u>PARALLEL SYMPOSIUM 1</u> SENSORY PROCESSING IN AUTISM SPECTRUM DISORDERS	<u>PARALLEL SYMPOSIUM 2</u> DECIPHERING LIPID-MEDIATED SIGNALLING IN GLIAL CELL FUNCTIONON	<u>PARALLEL SYMPOSIUM 3</u> COGNITIVE COMPUTATIONS IN SENSORY CORTICES	<u>PARALLEL SYMPOSIUM 4</u> TBA				
16:00-16:10	BREAK							
16:10-17:10	<u>OPENING CEREMONY</u>							
17.10 - 18.10	<u>OPENING PLENARY LECTURE</u> TRANSFORMING UNDERSTANDING OF BRAIN IMMUNITY: HARNESSING THE IMMUNE SYSTEM TO DEFEAT ALZHEIMER'S DISEASE  Michal Schwartz (Israel)							
18.10 - 19.10	OPENING COCKTAIL							
20:00-21:30	PINT OF SCIENCE							

**SUNDAY, 10 SEPTEMBER 2023**

Time	AUDITORIO LORCA	ANDALUCÍA I + II + III	PICASSO + MACHADO	ALBENIZ + MACHUCA	MANUEL DE FALLA	SALA U1	SALA U2	COMMERCIAL EXHIBITION & POSTER AREA
09:00 - 10:00	<b>PLENARY LECTURE 2</b> CANNABIDIOL IN PSYCHIATRY: HALF-A-CENTURY OF TRANSLATIONAL RESEARCH  Francisco Guimarães (Brazil)							
10:05-12:05	<b>PARALLEL SYMPOSIUM 5</b> BRAIN EVOLUTION FROM THE LENS OF CONTEMPORARY NEUROBIOLOGY	<b>PARALLEL SYMPOSIUM 6</b> THE MICROBIOTA-GUT-BRAIN AXIS AS A MODULATOR OF BRAIN FUNCTION AND DYSFUNCTION	<b>PARALLEL SYMPOSIUM 7</b> FROM CELL HETEROGENEITY TO BEHAVIOR: HOW IS NEURONAL DIVERSITY SHAPING THE FUNCTION OF NEURONAL CIRCUITS?	<b>PARALLEL SYMPOSIUM 8</b> TBA	<b>PARALLEL SYMPOSIUM 9</b> OLIGODENDROCYTES, MICROGLIA AND NEURODEGENERATIVE DISEASE			
12:10-13:10		<b>SPECIAL EVENT 1</b> CHALLENGES AND OPPORTUNITIES FOR EARLY CAREER RESEARCHERS: PERSPECTIVES FROM IBRO INVESTIGATORS	<b>EARLY CAREERS SESSION 1</b> NEURODATA REHACK	<b>WORKSHOP 1</b> NOVEL TOOLS FOR SPATIOTEMPORAL MODULATION OF NEURONAL CIRCUITS: ANTICIPATING THE FUTURE	<b>12:30-14:00</b> <b>INDUSTRY SYMPOSIUM 3</b>	<b>SPECIAL EVENT 2</b> WVN/IBRO GLOBAL COLLABORATIONS, FUNCTIONAL RESEARCH NETWORK		
13:10-14:10	<b>BREAK, POSTER VIEWING</b>						<b>BREAK, POSTER VIEWING</b>	<b>POSTER SESSION</b>
14:15-15:15	<b>SPECIAL LECTURE 1</b> DEVELOPMENTAL MECHANISMS SHAPING CORTICAL INTERHEMISPHERIC CONNECTIVITY AND FUNCTION  Linda Richards (USA)	<b>SPECIAL LECTURE 2:</b> SOCIAL RESPONSIBILITY IN (NEURO)SCIENCE EDUCATION: THE NEED FOR A NEW SENSE OF COMMUNITY  Wail Benjelloun (Morocco)	<b>SPECIAL LECTURE 3</b> ONE DAY AWAY FROM MUM HAS LIFELONG CONSEQUENCES ON BRAIN AND BEHAVIOUR  Deborah Suchecki (Brazil)					
15:20-17:20	<b>PARALLEL SYMPOSIUM 10</b> NERVOUS ABOUT YOUR IMMUNE SYSTEM? HOW THE AUTONOMIC NERVOUS SYSTEM CONTROLS IMMUNITY	<b>PARALLEL SYMPOSIUM 11</b> HOW DO HIPPOCAMPAL NEURONAL REPRESENTATIONS SUPPORT MEMORY FORMATION AND RECALL?	<b>PARALLEL SYMPOSIUM 12</b> THE CENTRAL CIRCADIAN PACEMAKER AND DAILY CONTROL OF METABOLISM	<b>PARALLEL SYMPOSIUM 13</b> TBA	<b>PARALLEL SYMPOSIUM 14</b> SLEEP MECHANISMS, REGULATION AND FUNCTION: OF THE CORTEX AND FOR THE CORTEX?			
17:20-18:20	<b>BREAK, POSTER VIEWING</b>					<b>INDUSTRY SYMPOSIUM 4</b>	<b>BREAK, POSTER VIEWING</b>	<b>POSTER SESSION</b>
18:20-19:20	<b>PLENARY LECTURE 3</b> LARGE-SCALE, HIGH-DENSITY NEUROPHYSIOLOGY IN THE PRIMATE BRAIN  Tirin Moore (USA)							
19:20-20:20	<b>ALUMNI RECEPTION</b>							
20:30-22:00	<b>PINT OF SCIENCE</b>							

**MONDAY, 11 SEPTEMBER 2023**

Time	AUDITORIO LORCA	ANDALUCÍA I + II + III	PICASSO + MACHADO	ALBENIZ + MACHUCA	MANUEL DE FALLA	SALA U1	SALA U2	COMMERCIAL EXHIBITION & POSTER AREA
09:00 - 10:00	<p align="center"><b>PLENARY LECTURE 4</b> KEYNOTE LECTURE TBD</p> <p align="center">Angelina Kakooza (Uganda)</p>							
10:05-12:05	<p align="center"><b>PARALLEL SYMPOSIUM 15</b> GLIA AS CONDUCTORS OF CIRCUIT FORMATION AND FUNCTION</p>	<p align="center"><b>PARALLEL SYMPOSIUM 16</b> EMERGING ROLES OF SYNAPTIC MICROTUBULES IN HEALTH AND DISEASE</p>	<p align="center"><b>PARALLEL SYMPOSIUM 17</b> NEW PERSPECTIVES ON NEUROMODULATION OF COGNITION</p>	<p align="center"><b>PARALLEL SYMPOSIUM 18</b> HUMANIZED STEM CELL-DERIVED MODELS FOR BETTER UNDERSTANDING CNS DEVELOPMENT, MYELINATION AND BRAIN PATHOLOGIES</p>				
12:10-13:10		<p align="center"><b>SPECIAL EVENT 3</b> THE BRAIN INITIATIVE – 10 YEARS OF SYSTEMS NEUROSCIENCE</p>		<p align="center"><b>SPECIAL EVENT 4</b> FOSTERING GLOBAL DIALOGUE AND PARTNERSHIPS IN BRAIN RESEARCH</p>		<p align="center"><b>12:30-14:00</b> INDUSTRY SYMPOSIUM 5</p>	<p align="center"><b>EARLY CAREERS SESSION 2</b> SPEED-NEURODATING</p>	<p align="center"><b>EARLY CAREERS SESSION 3</b> SCIENCE COMMUNICATION: LEARNING HOW TO MAKE IMPACTFUL SCIENCE OUTREACH FOR PERSONAL, POPULAR, INSTITUTIONAL, AND SCIENCE DIPLOMACY PURPOSES</p>
13:10-14:10	BREAK, POSTER VIEWING							
14:15-15:15	<p align="center"><b>SPECIAL LECTURE 4</b> HOW THE IMMUNE SYSTEM SHAPES SYNAPSE FUNCTION</p> <p align="center">Michela Matteoli (Italy)</p>	<p align="center"><b>SPECIAL LECTURE 5</b> NEW GENETICALLY-ENCODED PROBES TO SPY ON NEUROCHEMICAL DYNAMICS IN VIVO</p> <p align="center">Yulong Li (China)</p>	<p align="center"><b>SPECIAL LECTURE 6</b> HOW VOLUNTARY AND INVOLUNTARY ATTENTION DIFFERENTIALLY SHAPE PERCEPTION</p> <p align="center">Marisa Carrasco-Queijeiro (USA)</p>					
15:20-17:20	<p align="center"><b>PARALLEL SYMPOSIUM 19</b> 50 YEARS OF LTP, WHAT HAVE WE LEARNT?</p>	<p align="center"><b>PARALLEL SYMPOSIUM 20</b> CONTRIBUTION OF ADULT NEUROGENESIS TO MAMMALIAN OLFACTION</p>	<p align="center"><b>PARALLEL SYMPOSIUM 21</b> HOW TO MAKE A SINGLE CELL ATLAS OF THE HEALTHY HUMAN BRAIN</p>	<p align="center"><b>PARALLEL SYMPOSIUM 22</b> TBA</p>	<p align="center"><b>PARALLEL SYMPOSIUM 23</b> SKILL LEARNING AT DIFFERENT LEVELS OF THE MOTOR HIERARCHY</p>			
17:20-18:20	BREAK, POSTER VIEWING					INDUSTRY SYMPOSIUM 6	BREAK, POSTER VIEWING	POSTER SESSION
18:20-19:20	<p align="center"><b>HOSTING SOCIETY PLENARY LECTURE</b> EXPLORING STEM CELL REVERSIBLE QUIESCENCE IN THE BRAIN</p> <p align="center">Isabel Fariñas (Spain)</p>							
19:20-20:20	CAREER PATH ROUND TABLE & NETWORKING							
20:30-22:30	BANQUET							

**TUESDAY, 12 SEPTEMBER 2023**

Time	AUDITORIO LORCA	ANDALUCÍA I + II + III	PICASSO + MACHADO	ALBENIZ + MACHUCA	MANUEL DE FALLA	SALA U1	SALA U2	COMMERCIAL EXHIBITION & POSTER AREA
09:00 - 10:00	<p><b>PLENARY LECTURE 6</b>                      NMDA RECEPTOR DYSFUNCTION IN AUTISM SPECTRUM DISORDERS                      Eunjoon Kim (South Korea)</p>							
10:05-12:05	<p><b>PARALLEL SYMPOSIUM 24</b>                      BUILDING SENSORY CIRCUITS FROM SPONTANEOUS ACTIVITY PATTERNS</p>	<p><b>PARALLEL SYMPOSIUM 25</b>                      THE SOCIAL BRAIN: FROM PHYSIOLOGY TO PATHOLOGY DISSECTING THE NEURAL UNDERPINNINGS OF SOCIAL INTERACTIONS</p>	<p><b>PARALLEL SYMPOSIUM 26</b>                      STEM CELLS AND 3D ORGANOID MODELS TO UNDERSTAND HUMAN NEURODEVELOPMENT AND NEUROLOGICAL DISEASES</p>	<p><b>PARALLEL SYMPOSIUM 27</b>                      TBA</p>	<p><b>PARALLEL SYMPOSIUM 28</b>                      TANYCYTES, ESSENTIAL TRANSPORTERS FOR PERIPHERAL HORMONES AND METABOLITES INTO THE ARCUATE NUCLEUS</p>			
12:10-13:10		<p><b>SPECIAL EVENT 5</b>                      IBRO JOURNAL EVENT</p>	<p><b>12:10-13:40</b>  <b>EARLY CAREERS SESSION 4</b>                      TACKLING GLOBAL ISSUES IN NEUROSCIENCE RESEARCH: AFRICAN, ASIAN and LATINAMERICAN PERSPECTIVE</p>	<p><b>SPECIAL EVENT 6</b>                      THE GENDER GAP IN SCIENCE IS NOT ONLY UNFAIR, IT IS ECONOMICALLY UNWISE</p>	<p><b>12:30-14:00</b>  <b>INDUSTRY SYMPOSIUM7</b></p>	<p><b>WORKSHOP 2</b>                      NAVIGATING AND APPLYING CELL TYPE TAXONOMIES AND TOOLS FROM THE ALLEN INSTITUTE FOR BRAIN SCIENCE</p>	<p><b>WORKSHOP 3</b>                      HOW SHOULD THE NEUROSCIENCE COMMUNITY DEAL WITH PRESSURE TO REDUCE THE USE OF ANIMALS IN RESEARCH?</p>	
13:10-14:10	<p><b>BREAK, POSTER VIEWING</b></p>			<p><b>BREAK, POSTER VIEWING</b></p>				<p><b>POSTER SESSION</b></p>
14:15-15:15	<p><b>SPECIAL LECTURE 7</b>                      NEW INSIGHTS INTO BRAIN-IMMUNE INTERACTIONS                      Jonathan Kipnis (USA)</p>	<p><b>SPECIAL LECTURE 8</b>                      REMODELING OF HIPPOCAMPAL CIRCUITS BY NEUROGENESIS AND ACTIVITY                      Alejandro Schinder (Argentina)</p>	<p><b>SPECIAL LECTURE 7</b>                      FINE-TUNING SYNAPTIC STRENGTHS IN LOCAL CIRCUITS                      Yukiko Goda (Japan)</p>					
15:20-17:20	<p><b>PARALLEL SYMPOSIUM 29</b>                      ECTODOMAIN SHEDDING, AN EMERGING MOLECULAR MECHANISM INVOLVED IN THE PATHOPHYSIOLOGY OF BRAIN DISORDERS</p>	<p><b>PARALLEL SYMPOSIUM 30</b>                      FROM NEGATIVE EMOTIONS TO DEFENSIVE BEHAVIORS</p>	<p><b>PARALLEL SYMPOSIUM 31</b>                      MODULATION OF SYNAPTIC FUNCTION AND COGNITION BY NEUROSTEROIDS AND ENDOCRINE DISRUPTORS. RELEVANCE FOR PSYCHIATRIC DISORDERS</p>	<p><b>PARALLEL SYMPOSIUM 32</b>                      NEW HALLMARKS OF SUCCESSFUL COGNITIVE AGING</p>				
17:20-17:45	<p><b>BREAK, POSTER VIEWING</b></p>							<p><b>POSTER SESSION</b></p>
17:45-19:15	<p><b>IBRO PRESIDENTIAL DEBATE</b>                      TBA</p>							
19:20-20:20				<p><b>SPECIAL EVENT 7</b>                      BETTER TOGETHER: MAKING NEUROSCIENCE RESEARCH AND ITS BENEFITS GLOBAL</p>				<p><b>20:00</b>  <b>EARLY CAREERS SESSION 5</b>  <b>@MADRAZA PALACE</b>  <b>(OUTSIDE THE VENUE)</b>                      NEUROSCIENCE IN THE BIRTH OF CYBERNETICS AND COMPUTER ARCHITECTURE: CAJAL AND LORENTE DE NÓ</p>

**WEDNESDAY, 13 SEPTEMBER 2023**

Time	AUDITORIO LORCA	ANDALUCÍA I + II + III	PICASSO + MACHADO	ALBENIZ + MACHUCA	MANUEL DE FALLA	SALA U1	SALA U2	COMMERCIAL EXHIBITION & POSTER AREA
09.00 - 10.00	<p align="center"><b>PLENARY LECTURE 8</b> THE HOW AND WHY OF SLEEP</p> <p align="center">Yang Dan (USA)</p>							
10:05-12:05	<p align="center"><b>PARALLEL SYMPOSIUM 33</b> HOW DO ORGANISMS ADAPT? LESSONS FROM EVOLUTION, PROPRIOCEPTION, AND RNA EDITING</p>	<p align="center"><b>PARALLEL SYMPOSIUM 34</b> NEUROBIOLOGY OF STRESS: SEX DIMORPHISMS, STRESS RESILIENCE AND NEUROCHEMICAL AND NEUROIMMUNE MECHANISMS</p>	<p align="center"><b>PARALLEL SYMPOSIUM 35</b> MITOCHONDRIAL REDOX SIGNALING IN COGNITION: AN ENERGY MATTER</p>	<p align="center"><b>PARALLEL SYMPOSIUM 36</b> TBA</p>				
12:10-13:10	<p align="center"><b>SPECIAL EVENT 8</b> FOSTERING GLOBAL DIALOGUE AND PARTNERSHIPS IN BRAIN RESEARCH</p>				<p align="center"><b>12:10-13:40</b> <b>SPECIAL EVENT 9</b> NEUROART</p>	<p align="center"><b>SPECIAL EVENT 10</b> ADVANCING GLOBAL ENGAGEMENT</p>	<p align="center"><b>EARLY CAREERS SESSION 6</b> MOCK INTERVIEW: HOW TO GET INTERACTIVE SESSION WITH A "REAL LIFE" MOCK INTERVIEW</p>	
13:10-14:10	<p align="center">BREAK, POSTER VIEWING</p>						<p align="center">BREAK, POSTER VIEWING</p>	<p align="center">POSTER SESSION</p>
14:15-15:15	<p align="center"><b>SPECIAL LECTURE 10</b> UNRAVELING AN AXIAL SENSORY SYSTEM FOR POSTURE, MORPHOGENESIS AND INNATE IMMUNITY</p> <p align="center">Claire Wyart (France)</p>	<p align="center"><b>SPECIAL LECTURE 11</b> DISCOVERING AND REGULATING BRAIN NETWORKS UNDERLYING EMOTIONS</p> <p align="center">Kafui Dzirasa (USA)</p>	<p align="center"><b>SPECIAL LECTURE 12</b> ORGANIZATION OF CELL TYPES ACROSS THE BRAIN</p> <p align="center">Hongkui Zeng (USA)</p>					
15:15-15:30	<p align="center">BREAK</p>							
15:30-16:30	<p align="center"><b>CLOSING PLENARY LECTURE</b> MULTIPLEX IMAGING OF NEURAL ACTIVITY AND SIGNALING DYNAMICS</p> <p align="center">Haruhiko Bito (Japan)</p>							
16:30-17:00	<p align="center"><b>CLOSING CEREMONY</b></p>							