




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		
12:00-13:00	BREAK			12:00-13:30 INDUSTRY SYMPOSIUM 1	12:00-13:30 INDUSTRY SYMPOSIUM 2	BREAK		
13:00-14:00	BREAK					BREAK		
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 FUNCTION	<u>PARALLEL SYMPOSIUM 3</u> COGNITIVE COMPUTATIONS IN SENSORY CORTICES	<u>PARALLEL SYMPOSIUM 4</u> NEURON-GLIA INTERPLAY IN NEURODEGENERATIVE AND NEURODEVELOPMENTAL DISEASES				
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	NEURO-CAÑAS (OUTSIDE THE VENUE)							

SUNDAY, 10 SEPTEMBER 2023

Time	AUDITORIO LORCA	ANDALUCÍA I + II + III	PICASSO + MACHADO	ALBENIZ + MACHUCA	MANUEL DE FALLA	SALA U1	SALA U2	VENUE ROOFTOP	COMMERCIAL EXHIBITION & POSTER AREA
09:00 - 10:00	PLENARY LECTURE 2 CANNABIDIOL IN PSYCHIATRY: HALF-CENTURY OF TRANSLATIONAL RESEARCH Francisco Guimarães (Brazil)								
10:05-12:05	PARALLEL SYMPOSIUM 5 BRAIN EVOLUTION FROM THE LENS OF CONTEMPORARY NEUROBIOLOGY	PARALLEL SYMPOSIUM 6 THE MICROBIOTA-GUT-BRAIN AXIS AS A MODULATOR OF BRAIN FUNCTION AND DYSFUNCTION	PARALLEL SYMPOSIUM 7 FROM CELL HETEROGENEITY TO BEHAVIOR: HOW IS NEURONAL DIVERSITY SHAPING THE FUNCTION OF NEURONAL CIRCUITS?	PARALLEL SYMPOSIUM 8 CELLULAR MECHANISMS OF RETINAL DEVELOPMENT AND THEIR IMPACT ON DISEASE	PARALLEL SYMPOSIUM 9 OLIGODENDROCYTES, MICROGLIA AND NEURODEGENERATIVE DISEASE				
12:10-13:10		SPECIAL EVENT 1 CHALLENGES AND OPPORTUNITIES FOR EARLY CAREER RESEARCHERS: PERSPECTIVES FROM IBRO INVESTIGATORS	EARLY CAREERS SESSION 1 NEURODATA REHACK	WORKSHOP 1 NOVEL TOOLS FOR SPATIOTEMPORAL MODULATION OF NEURONAL CIRCUITS: ANTICIPATING THE FUTURE	12:30-14:00 INDUSTRY SYMPOSIUM 3		SPECIAL EVENT 2 WWN/IBRO GLOBAL COLLABORATIONS, FUNCTIONAL RESEARCH NETWORK		
13:10-14:10	BREAK, POSTER VIEWING						BREAK, POSTER VIEWING		POSTER SESSION
14:15-15:15	SPECIAL LECTURE 1 DEVELOPMENTAL MECHANISMS SHAPING CORTICAL INTERHEMISPHERIC CONNECTIVITY AND FUNCTION Linda Richards (USA)	SPECIAL LECTURE 2: SOCIAL RESPONSIBILITY IN (NEURO)SCIENCE EDUCATION: THE NEED FOR A NEW SENSE OF COMMUNITY Wail Benjelloun (Morocco)	SPECIAL LECTURE 3 ONE DAY AWAY FROM MUM HAS LIFELONG CONSEQUENCES ON BRAIN AND BEHAVIOUR Deborah Suchecki (Brazil)						
15:20-17:20	PARALLEL SYMPOSIUM 10 NERVOUS ABOUT YOUR IMMUNE SYSTEM? HOW THE AUTONOMIC NERVOUS SYSTEM CONTROLS IMMUNITY	PARALLEL SYMPOSIUM 11 HOW DO HIPPOCAMPAL NEURONAL REPRESENTATIONS SUPPORT MEMORY FORMATION AND RECALL?	PARALLEL SYMPOSIUM 12 THE CENTRAL CIRCADIAN PACEMAKER AND DAILY CONTROL OF METABOLISM	PARALLEL SYMPOSIUM 13 NEUROBIOLOGY OF ANIMALS' ADAPTATIONS TO AFRICAN BIOTOPES	PARALLEL SYMPOSIUM 14 SLEEP MECHANISMS, REGULATION AND FUNCTION: OF THE CORTEX AND FOR THE CORTEX?				
17:20-18:20	BREAK, POSTER VIEWING					INDUSTRY SYMPOSIUM 4		BREAK, POSTER VIEWING	POSTER SESSION
18:20-19:20	PLENARY LECTURE 3 LARGE-SCALE, HIGH-DENSITY NEUROPHYSIOLOGY IN THE PRIMATE BRAIN Tirin Moore (USA)								
19:20-20:20								19:20-21:20	
20:30-22:00	NEURO-CAÑAS (OUTSIDE THE VENUE)							IBRO ALUMNI RECEPTION	

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>PLENARY LECTURE 4 KEYNOTE LECTURE TBD</p> <p>Angelina Kakooza (Uganda)</p>							
10:05-12:05	<p>PARALLEL SYMPOSIUM 15 GLIA AS CONDUCTORS OF CIRCUIT FORMATION AND FUNCTION</p>	<p>PARALLEL SYMPOSIUM 16 EMERGING ROLES OF SYNAPTIC MICROTUBULES IN HEALTH AND DISEASE</p>	<p>PARALLEL SYMPOSIUM 17 NEW PERSPECTIVES ON NEUROMODULATION OF COGNITION</p>	<p>PARALLEL SYMPOSIUM 18 HUMANIZED STEM CELL-DERIVED MODELS FOR BETTER UNDERSTANDING CNS DEVELOPMENT, MYELINATION AND BRAIN PATHOLOGIES</p>				
12:10-13:10	-	<p>SPECIAL EVENT 3 THE BRAIN INITIATIVE – 10 YEARS OF SYSTEMS NEUROSCIENCE</p>		<p>SPECIAL EVENT 4 FOSTERING GLOBAL DIALOGUE AND PARTNERSHIPS IN BRAIN RESEARCH</p>	<p>12:30-14:00 INDUSTRY SYMPOSIUM 5</p>	<p>EARLY CAREERS SESSION 2 SPEED-NEURODATING</p>	<p>EARLY CAREERS SESSION 3 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						BREAK, POSTER VIEWING	POSTER SESSION
14:15-15:15	<p>SPECIAL LECTURE 4 HOW THE IMMUNE SYSTEM SHAPES SYNAPSE FUNCTION</p> <p>Michela Matteoli (Italy)</p>	<p>SPECIAL LECTURE 5 NEW GENETICALLY-ENCODED PROBES TO SPY ON NEUROCHEMICAL DYNAMICS IN VIVO</p> <p>Yulong Li (China)</p>	<p>SPECIAL LECTURE 6 HOW VOLUNTARY AND INVOLUNTARY ATTENTION DIFFERENTIALLY SHAPE PERCEPTION</p> <p>Marisa Carrasco-Queijeiro (USA)</p>					
15:20-17:20	<p>PARALLEL SYMPOSIUM 19 50 YEARS OF LTP, WHAT HAVE WE LEARNT?</p>	<p>PARALLEL SYMPOSIUM 20 CONTRIBUTION OF ADULT NEUROGENESIS TO MAMMALIAN OLFACTION</p>	<p>PARALLEL SYMPOSIUM 21 HOW TO MAKE A SINGLE CELL ATLAS OF THE HEALTHY HUMAN BRAIN</p>	<p>PARALLEL SYMPOSIUM 22 FROM MOLECULAR MECHANISMS TO DIAGNOSIS AND PREVENTION OF ALZHEIMER DISEASE AND RELATED DEMENTIAS</p>	<p>PARALLEL SYMPOSIUM 23 SKILL LEARNING AT DIFFERENT LEVELS OF THE MOTOR HIERARCHY</p>			
17:20-18:20						<p>SPECIAL EVENT 5 BETTER TOGETHER: MAKING NEUROSCIENCE RESEARCH AND ITS BENEFITS GLOBAL</p>		POSTER SESSION
18:20-19:20	<p>HOSTING SOCIETY PLENARY LECTURE EXPLORING STEM CELL REVERSIBLE QUIESCENCE IN THE BRAIN</p> <p>Isabel Fariñas (Spain)</p>							
20:30-22:30	BANQUET (OUTSIDE THE VENUE)							

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	PLENARY LECTURE 6 NMDA RECEPTOR DYSFUNCTION IN AUTISM SPECTRUM DISORDERS Eunjoon Kim (South Korea)							
10:05-12:05	PARALLEL SYMPOSIUM 24 BUILDING SENSORY CIRCUITS FROM SPONTANEOUS ACTIVITY PATTERNS	PARALLEL SYMPOSIUM 25 THE SOCIAL BRAIN: FROM PHYSIOLOGY TO PATHOLOGY DISSECTING THE NEURAL UNDERPINNINGS OF SOCIAL INTERACTIONS	PARALLEL SYMPOSIUM 26 STEM CELLS AND 3D ORGANOID MODELS TO UNDERSTAND HUMAN NEURODEVELOPMENT AND NEUROLOGICAL DISEASES	PARALLEL SYMPOSIUM 27 NEUROACTIVE NATURAL COMPOUNDS FOR BRAIN DISORDERS	PARALLEL SYMPOSIUM 28 TANYCYTES, ESSENTIAL TRANSPORTERS FOR PERIPHERAL HORMONES AND METABOLITES INTO THE ARCUATE NUCLEUS			
12:10-13:10		SPECIAL EVENT 6 IBRO JOURNAL EVENT	12:10-13:40 EARLY CAREERS SESSION 4 TACKLING GLOBAL ISSUES IN NEUROSCIENCE RESEARCH: AFRICAN, ASIAN and LATINAMERICAN PERSPECTIVE	SPECIAL EVENT 7 THE GENDER GAP IN SCIENCE IS NOT ONLY UNFAIR, IT IS ECONOMICALLY UNWISE	12:30-14:00 INDUSTRY SYMPOSIUM7	WORKSHOP 2 NAVIGATING AND APPLYING CELL TYPE TAXONOMIES AND TOOLS FROM THE ALLEN INSTITUTE FOR BRAIN SCIENCE	WORKSHOP 3 HOW SHOULD THE NEUROSCIENCE COMMUNITY DEAL WITH PRESSURE TO REDUCE THE USE OF ANIMALS IN RESEARCH?	
13:10-14:10	BREAK, POSTER VIEWING				BREAK, POSTER VIEWING			POSTER SESSION
14:15-15:15	SPECIAL LECTURE 7 NEW INSIGHTS INTO BRAIN-IMMUNE INTERACTIONS Jonathan Kipnis (USA)	SPECIAL LECTURE 8 REMODELING OF HIPPOCAMPAL CIRCUITS BY NEUROGENESIS AND ACTIVITY Alejandro Schinder (Argentina)	SPECIAL LECTURE 7 FINE-TUNING SYNAPTIC STRENGTHS IN LOCAL CIRCUITS Yukiko Goda (Japan)					
15:20-17:20	PARALLEL SYMPOSIUM 29 ECTODOMAIN SHEDDING, AN EMERGING MOLECULAR MECHANISM INVOLVED IN THE PATHOPHYSIOLOGY OF BRAIN DISORDERS	PARALLEL SYMPOSIUM 30 FROM NEGATIVE EMOTIONS TO DEFENSIVE BEHAVIORS	PARALLEL SYMPOSIUM 31 MODULATION OF SYNAPTIC FUNCTION AND COGNITION BY NEUROSTEROIDS AND ENDOCRINE DISRUPTORS. RELEVANCE FOR PSYCHIATRIC DISORDERS	PARALLEL SYMPOSIUM 32 POSTNATAL NEUROGENESIS IN THE VERTEBRATE BRAIN	PARALLEL SYMPOSIUM 33 NEW HALLMARKS OF SUCCESSFUL COGNITIVE AGING			
17:20-17:45	BREAK, POSTER VIEWING							POSTER SESSION
17:45-19:15	IBRO PRESIDENTIAL PANEL PANEL DISCUSSION Epsy Campbell Barr (Costa Rica), Leymah Gbowee (Liberia) and George Mpanga (United Kingdom)							
20:00-21:00	EARLY CAREERS SESSION 5 @MADRAZA PALACE (OUTSIDE THE VENUE) NEUROSCIENCE IN THE BIRTH OF CYBERNETICS AND COMPUTER ARCHITECTURE: CAJAL AND LORENTE DE NÓ							



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	PLENARY LECTURE 8 THE HOW AND WHY OF SLEEP Yang Dan (USA)							
10:05-12:05	PARALLEL SYMPOSIUM 34 HOW DO ORGANISMS ADAPT? LESSONS FROM EVOLUTION, PROPRIOCEPTION, AND RNA EDITING	PARALLEL SYMPOSIUM 35 NEUROBIOLOGY OF STRESS: SEX DIMORPHISMS, STRESS RESILIENCE AND NEUROCHEMICAL AND NEUROIMMUNE MECHANISMS	PARALLEL SYMPOSIUM 36 MITOCHONDRIAL REDOX SIGNALING IN COGNITION: AN ENERGY MATTER	PARALLEL SYMPOSIUM 37 NOVEL MECHANISMS AND CONSEQUENCES OF DNA DAMAGE RESPONSES IN BRAIN				
12:10-13:10			SPECIAL EVENT 8 RESEARCH FUNDING OPPORTUNITIES WITH THE EUROPEAN RESEARCH COUNCIL	SPECIAL EVENT 9 ADVANCING GLOBAL ENGAGEMENT	12:10-13:40 SPECIAL EVENT 10 NEUROART		EARLY CAREERS SESSION 6 MOCK INTERVIEW: HOW TO GET INTERACTIVE SESSION WITH A "REAL LIFE" MOCK INTERVIEW	
13:10-14:10	BREAK, POSTER VIEWING						BREAK, POSTER VIEWING	POSTER SESSION
14:15-15:15	SPECIAL LECTURE 10 UNRAVELING AN AXIAL SENSORY SYSTEM FOR POSTURE, MORPHOGENESIS AND INNATE IMMUNITY Claire Wyart (France)	SPECIAL LECTURE 11 DISCOVERING AND REGULATING BRAIN NETWORKS UNDERLYING EMOTIONS Kafui Dzirasa (USA)	SPECIAL LECTURE 12 ORGANIZATION OF CELL TYPES ACROSS THE BRAIN Hongkui Zeng (USA)					
15:15-15:30	BREAK							
15:30-16:30	CLOSING PLENARY LECTURE MULTIPLEX IMAGING OF NEURAL ACTIVITY AND SIGNALING DYNAMICS Haruhiko Bito (Japan)							
16:30-17:00	CLOSING CEREMONY							