



IX NeuroGlia - International Symposium of Neurochemistry and Physiopathology of Glial Cells

Advanced School in Neurochemistry 2025

Salvador – Bahia August 21<sup>st</sup> to 29<sup>th</sup>

SUMMARY PROGRAM

THURSDAY 21 <sup>th</sup>	FRIDAY 22 <sup>th</sup>	SATURDAY 23 <sup>th</sup>	SUNDAY	TIME	MONDAY 25 <sup>th</sup>	TUESDAY 26 <sup>th</sup>	WEDNESDAY 27 <sup>th</sup>	THURSDAY 28 <sup>th</sup>	FRIDAY 29 <sup>th</sup>
ASNq	ASNq	ASNq		08:30- 12:30	ASNq	ASNq	ASNq	ASNq	ASNq
ASNq OPPENING  Fundamentals for Investigation in Neurochemistry - Structure and Function 1 Balbino Santos Juciele Oliveira	Technical Training Principles and Protocols Cell Cultures, animal manipulation and: ICQ, WB, EROD/VIABILITY, or RT-PCR Mentors: Cleonice Santos Monique Reis Erica Soares Lucas Oliveira Deivison Argolo	Technical training Technical training Principles and Protocols Mentors: Cleonice Santos Monique Reis Erica Soares Lucas Oliveira Deivison Argolo	DAY FREE	08:30-	ASNq Technical Training Students' presentation of results of experiments (With Lecturers and Professors)	ASNq Students Session 1 (6 Students) (With Lecturers and Professors)	ASNq Students Session 3 (6 Students) (With Lecturers and Professors)	ASNq -Class Principles of Ethics in Investigation and Animal Use Songeli Freire (UFBA) and Marcos Ribeiro (UFBA)	Scientific Writing 3 Students' presentation of drafted manuscript Silvia Costa, Danielle Takahashi Maria de Fatima Costa
Coffee Break	Coffee Break	Coffee Break		10:30-11:00	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
Fundamentals for Investigation in Neurochemistry - Structure and Function 2 Clarissa Schitine Suzana Braga de Souza	Technical Training Principles and Protocols Mentors: Cleonice Santos Monique Reis Erica Soares Lucas Oliveira Deivison Argolo	Technical Training Principles and Protocols Mentors: Cleonice Santos Monique Reis Erica Soares Lucas Oliveira Deivison Argolo		11:00	ASNq -Technical Training Students' presentation of results of experiments (With Lecturers and Professors)	ASNq Students Session 2 (4 Students) (With Lecturers and Professors)	ASNq Students Session 4 (4 Students) (With Lecturers and Professors)	Scientific Writing 2 Students' presentation of drafted manuscript Silvia Costa, Danielle Takahashi Maria de Fatima Costa	Scientific Writing 4 Students' presentation of drafted manuscript Silvia Costa, Danielle Takahashi Maria de Fatima Costa
	Lunch Break	Lunch Break		12:30- 14:00	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break
Fundamentals for Investigation in Neurochemistry - Neuroglial Interactions and Signalling Silvia Lima Costa Maria de Fátima Dias Costa	Technical training Principles and Protocols Mentors: Cleonice Santos Monique Reis Erica Soares Lucas Oliveira Deivison Argolo	Guidance to Technical Rapport Mentors: Cleonice Santos Monique Reis Erica Soares Lucas Oliveira Deivison Argolo		14:00- 18:00	IX-NeuroGlia NEURODEVELOPMENT AND AND NEUROPHARMACOLOGY	IX-NeuroGlia GLIAL CELLS FUNCTION / DYSFUNCTION AND THERAPY I	IX-NeuroGlia GLIAL CELLS FUNCTION/ DYSFUNCTION AND THERAPY II	IX-NeuroGlia MICROPHYSIOLOGICAL SYSTEMS IN CNS AND MODELS OF STUDY	IX-NeuroGlia TRANSLATIONAL AND CLINICAL STUDIES FOR NDD
				14:00	Marisol Lamprea (UNC) Senior Lecturer	George Barreto (UL-IR) Senior Lecturer	Silvia Oliveira-Bravo (IIBCE-UR) Senior Lecturer	Balbino dos Santos (UNIVASF) Lecturer	Dulce Papy-Garcia (UPEC-FR) Senior Lecturer
				14:50	Arthur Butt (UPo-UK) Senior Lecturer	Adriano Assis (UCPEL) Lecturer	Patricia Cassina (ULR-UR) Senior Lecturer	Monique Reis (UFBA) Young Doctor	Rommy Von Bernhardt (USS-CL) Senior Lecturer
				15:40	Ricardo Reis (UFRJ) Senior Lecturer	Thaise Toutain (UCSAL) Young Doctor	Lucas Oliveira (UFBA) Young Doctor	Ravena Nascimento (UFBA) Lecturer	Taísa Machado (UFBA) Young Doctor
Coffee Break	Coffee Break	Coffee Break		16:00-16:20	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
Fundamentals for Investigation in Neurochemistry – Models of Study Ravena Nascimento Victor Diogenes Silva Alexandre Moraes Pinheiro Yanier Figueredo	Fundamentals for Investigation in Neurochemistry - Metabolism and Behaviour George Barreto Marisol Lamprea Miguel Borda	Scientific Writing 1 Manuscript writing - Point by point and AI Silvia Costa and Danielle Takahashi		16:20-	Poster Session	Miguel Borda (UNAV-SP) Senior Lecturer	Henning Ulrich (USP) Senior Lecturer	Carmen Bolatto (IIBCE-UR) Senior Lecturer	Bruno Solano (ID'Or) Senior Lecturer
				17:00		Victor Diogenes Silva (UFBA) Senior Lecturer	Mauro Pinto (UFG) Lecturer	Yanier Figueredo (CIDEM-CU) Senior Lecturer	Silvia Costa (UFBA) Senior Lecturer
									CLOSURING

Execution: Laboratory of Neurochemistry and Cellular Biology (LabNq) Federal University of Bahia (UFBA)

Support: Postgraduate Program in Immunology (PPGIm)

Financial Support: Bahia State Research Support Foundation (FAPESB)





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**IX NeuroGlia - TITLES OF SPEACKERS PRESENTATIONS**

Adriano Assis (UCPEL)	Stroke Patient-Derived Serum Modulates Redox and Inflammatory Parameters in Astroglial Cells	Monique Reis (UFBA)	Targeting AhR and kynurenine pathway by flavonoids for brain tumours therapy
Arthur Butt (UPo-UK)	Astrocytes in human central nervous system diseases: a frontier for new therapies	Patricia Cassina (ULR-UR)	Mitochondria in non-neuronal cells: a role in Amyotrophic Lateral Sclerosis progression
Balbino dos Santos (UFVSF)	Polyphenols in the control of microglia inflammatory response and neuroprotection	Ravena Nascimento (UFBA)	Flavonoids neuroprotection in spinal cord trauma models
Bruno Solano (ID'Or)	Investigating Genetic and Neurobiological Mechanisms with Induced Pluripotent Stem Cells	Ricardo Reis (UFRJ)	Purinergic P2X7 receptor and the endocannabinoid system interactions in neuro-glial systems
Carmen Bolatto (IIBCE-UR)	Taking flight, the use of Drosophila melanogaster for neuroscience research in Uruguay.	Rommy Von Bernhardt (USS-CL)	Age-associated changes in microglial cell regulation: implication for neurodegenerative diseases
Dulce Papy-Gracia (UPEC-FR)	Specific Heparan sulfate chains and the selective cell vulnerability to degenerate in Alzheimer disease	Silvia Costa (UFBA)	Control of neuroinflammation by polyphenols for therapy of neurodegenerative diseases in perspective
George Barreto (UL-IR)	Age, hormones, and brain health: Are mitochondria the missing link?	Silvia Oliveira-Bravo (IIBCE-UR)	Synthetic chalcones to prevent white matter disease
Henning Ulrich (USP)	Purines and kinins receptors as study and therapeutic targets in neurological diseases	Táisa Machado (UFBA)	Genotyping of patients with Alzheimer's disease in Salvador
Lucas Oliveira (UFBA)	Anti-neuroinflammatory and neuroprotective effects of flavonoids in amyotrophic lateral sclerosis models	Thaise Toutain (UCSAL)	Convergences between functional brain networks in different altered states of consciousness
Marisol Lamprea (UNC)	Differential susceptibility of the developing brain to drugs and stress: an experimental approach	Victor Diogenes Silva (UFBA)	Aminochrome and molecular mechanisms in Parkinson's disease
Mauro Pinto (UFG)	Neuroprotective and Neurorestorative Potential of GlyT1 Inhibition	Yanier Figueredo (CIDEM-CU)	Zebrafish, a popular model for the study of neurological diseases.
Miguel Borda (UNAV-SP)	Anthocyanins & cognitive function: a placebo-controlled trial.		

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