

PROGRAM of the KIBROS4

4th

Edition of the Khouribga IBRO Neuroscience School (2023)

Neurochemistry and Neurotoxicant-Related Neurological Disorders
SULTAN MOULAY SLIMANE UNIVERSITY, POLYDISCIPLINARY FACULTY
and AKHAWAIN HOTEL, KHOURIBGA

October
25-29th
2023

Day 0 - Tuesday October 24th 2023

- 12:00 - 18:00 Arrivals
- 18:00 - 19:00 Registration and course materials
- 19:00 - 20:00 Meeting with faculty members: "Get to know each other" session

Day 1 - Wednesday October 25th 2023

- 9:30 - 10:30 The opening session: Welcome messages: words from the Governor, the President of Sultan Moulay Slimane University, the Dean of the Faculty, and local organizers
- 10:30 - 11:15 **PL:** Neuroethics. Nadia El Kadmiri, Ibn Zohr University (Morocco)
- 11:45 - 12:30 **L1:** The chemistry of the brain and neurotoxin-related neurological disorders. Samir Ahboucha, USMS University (Morocco)
- 14:30 - 15:15 **L2:** Emerging role of polyunsaturated fatty acids as a preventive intervention in Manganese-Induced neurotoxicity. Jalil ElGot, Hassan First University (Morocco)
- 15:15 - 16:00 **L3:** Ammonia neurotoxicity. Regina Rodrigo Nicolas, Valencia University (Spain)
- 16:00 - 18:00 **PS1:** How to improve scientific writing Samir Ahboucha, USMS University (Morocco)
- 20:00 - 21:00 **GD1:** Challenges in early career's neuroscientists: what a senior scientist can share with you

Day 2 - Thursday October 26th 2023

- 09:00 - 09:45 **L4:** Molecular evidences of genetic and epigenetic neurotoxicity. Ihssane El Bouchikhi, USMS University (Morocco)
- 09:45 - 10:30 **L5:** Nutrition and neuro-cognition in neurodegeneration Youssef Aboussaleh Ibn Tofail University (Kenitra, Morocco)
- 11:15 - 11:45 **L6:** Neuro-inflammation and pharmacological therapies. Regina Rodrigo Nicolas, Valencia University (Spain)
- 11:45 - 12:15 **L7:** Cannabis, neurotoxicology and addiction. Jibrán Y. Khokhar Schulich School of Medicine and Dentistry Western University, Toronto (Canada)
- 12:15 - 13:00 **PS2:** Oral presentations: Basics and group work. Animated by one of the faculty members
- 14:00 - 16:00 **TW1:** Molecular biology methods for exploring genetic and epigenetic neurotoxicity. Ihssane El Bouchikhi, USMS University (Morocco)
- 16:00 - 18:00 **TW2:** Behavioural assessments. Faculty members (Morocco)
- 18:00 - 19:00 **GD2:** How to improve your chance for competitive opportunities. Animated by senior faculty members
- 20:30 - 22:00 **PS3:** Make your presentation ready for day 4

Day 3 - Friday October 27th 2023

- 09:00 - 09:40 **L8:** Dysfunction of neurogenesis by neurotoxicants. Inês MP de Araújo, University of Algarve, (Portugal)
- 09:40 - 10:20 **L9:** Continuous Exposure to Inorganic Mercury affects neurobehavioral and physiological parameters in mice. Hafsa Malqui, USMS University (Morocco)
- 10:50 - 11:30 **L10:** Heavy metal and cognitive impairments. A. Sedki, Cadi Ayyad University (Morocco)
- 11:30 - 13:00 **OP1:** "The floor is for the student's". Successful candidates will be awarded
- 14:30 - 19:00 **SA1:** Visit to AIN ASSERDOUN and THE BERBER CASTLE in Middle Atlas in the city of Beni-Mellal
- 20:00 - 21:00 **GD3:** Ethics in Neuroscience (2) Animated by faculty members

Day 4 - Saturday October 28th 2023

- 09:00 - 09:45 **L11:** S-nitrosation and neuronal function/plasticity. Inês MP de Araújo, University of Algarve, (Portugal)
- 09:45 - 10:30 **L12:** Malathion, antioxidant status and neurobehavior in mice. Fatiha Chigr, USMS University (Morocco)
- 11:00 - 11:30 **L13:** Peripheral and central effects of intracerebroventricular microinjection of scorpion venom. Abdessamad Elmourid, Moulay abdelmonaim Elhidan et Oulaid Touloun, USMS (Morocco)
- 11:30 - 12:00 **OP session 2:** "The floor is for the student's". Successful candidates will be awarded
- 14:00 - 16:30 **OP session 3:** Oral presentations. Presentations will be scored by faculty member committee
- 16:30 - 18:00 Evaluation of student's professional skills fulfillment. Faculty member committee
- 19:00 - 21:00 **SA2:** Galla Dinner (Diplomas and Distinctions)

Day 5 - Sunday October 29th 2023

- 09:00 - 09:45 **L14:** Neurotoxicity to cyanogens, Desire Tshala-Katumbay, Oregon Health & Science University, (Congo-USA)
- 09:45 - 10:30 **L15:** Anxiety: The gut-brain axis modelling with glyphosate. Yassine Ait Bali, Mohammed V University (Morocco)
- 11:00 - 11:45 **L16:** Exposure to metam sodium-based pesticide and cognitive function: Involvement of oxidative damage and glial activation. Nour-eddine Kaikai, Cadi Ayyad University (Morocco)
- 11.45 - 13:00 Check-out and departure