

INTERNATIONAL SYMPOSIUM - IRN FRANCE-TAIWAN “IONIC” Ion Channels and Marine Biology

Théâtre du Grand Château Valrose, October 24th 2024

08h00 – 08h20	Welcome coffee
INTRODUCTION	OPENING OF THE SYMPOSIUM
08h20 – 08h40	Words from the organizers and institutions (Laurent Counillon, Université Côte d'Azur ; Xavier GROSMAITRE, CNRS international)
SESSION 1	ION CHANNELS (chair Dr CC. Lien and Dr A. Baron)
08h40 – 09h00	Dr Olivier Soriani (iBV, Nice) , Ion channels drive intercellular communication in pancreatic cancer development.
09h00 – 09h20	Dr Wen-Hao Tsai (Academia Sinica, Taipei) , Insights into the pathogenic mechanism of the TALK1-L114P channel in MODY – structural characteristics mitigating hyperactivity.
09h20 – 09h40	Dr Franck Chatelain (IPMC, Valbonne) , Mechanistic basis of the dynamic response of TWIK1 ionic selectivity to pH.
09h40 – 10h00	Dr Su-Wei Lin (Academia Sinica, Taipei) , Pickpocket channel-mediated osmosensation in the Drosophila brain.
10h00 – 10h20	Dr C Duranton (LP2M, Nice) , Chloride channels and osmoregulation: from fish to human pathologies.
10h20 – 10h40	Coffee break
SESSION 2	ION CHANNELS (chair Dr CC. Chen and Dr D. Bichet)
10h40 – 11h00	Dr Kuo-Sheng Lee (Academia Sinica, Taipei) , Mechanotransduction underlying mammalian vibrotactile sensation.
11h00 – 11h20	Dr Guillaume Sandoz (iBV, Nice) , Controlling Pain Remotely in Freely Moving Animals.
11h20 – 11h40	Dr Cheng-Chang Lien (Institute of Neuroscience, National Yang Ming Chiao Tung University, Taipei) , A Neural Circuit Gates Negative Emotion & Nociception in Chronic Pain.
11h40 – 12h00	Dr Massimo Mantegazza (IPMC, Valbonne) , A novel pathological mechanism of autistic spectrum disorder NaV1.2/SCN2A sodium channel variants.
12h00 – 12h20	Dr Shu-Ling Chiu (Academia Sinica, Taipei) , Altered AMPA Receptor Channel Property in Neurodevelopmental Disorders.
12h20 – 13h40	Lunch
SESSION 3	MARINE BIOLOGY (chair Dr Jr-Kai Yu and Dr MY. Dechraoui Bottein)
13h40 – 14h00	Dr Jr-Kai Yu (Director of Marine Research Station, ICOB, Academia Sinica, Taipei) , Probing into the dawn of vertebrate evolution: Insights from comparative genomics of invertebrate deuterostomes.
14h00 – 14h10	Dr Eric Rottinger (IRCAN, Master Marres) , Marine Biology at UniCA.
14h10 – 14h30	Dr Eric Rottinger , Cnidarian models to study environmental stress response, regeneration & longevity.
14h30 – 14h50	Dr Marie-Yasmine Dechraoui Bottein (Université Côte d'Azur) , Nav channel marine toxins: from molecular mechanisms to environmental impacts.
14h50 – 15h10	Dr Stefania Castagnetti (LBDV, Villefranche) , Dinomitosis: diversity and conservation in eukaryotic mitosis.
15h10 – 15h30	Dr Nathalie Vigier (LOV, Villefranche) , Biological fractionation of lithium isotopes by cellular Na ⁺ /H ⁺ exchangers and application to tropical corals exposed to high CO ₂ .
15h30 – 16h00	Coffee break
SESSION 4	DISCUSSIONS AND ROUND TABLES
15h30 – 16h30	Discussion with UniCA and CNRS representatives: IRN perspectives and partnership between universities.
16h00 – 17h00	Discussion with master students (Marres and Biologie Santé, UniCA) Ya-Jen Cheng (Academia Sinica, Taipei) , NPAS, TIGP-INS program, TIGP-X program.
16h00 – 17h00	Dr Delphine Bichet (IPMC, Valbonne) , ERASMUS international master program. Discussion for scientific collaborations.
17h00	End of the symposium

Registration is free but mandatory and the number of participant is limited to 80 ; contact: Emmanuel Deval, deval@ipmc.cnrs.fr