

PROGRAM Oléron 2014

Sunday, september 14th 2014

16:00-20:00 Welcome of the meeting attendees

20:15 « Oleron Oysters » cocktail

21:15 Dinner

Monday, september 15th 2014

8:30 Meeting opening

8:45 Symposium 1. Stretch-activated channels and mechanotransduction

Organized by Thomas Ducret, Bordeaux

Frederick Sachs (USA) Mechanosensitive ion channels: Piezo from biophysics to bedside

Philippe Gailly (Belgium) Role of TRPV in osmosensation

Fabrice Duprat (France) Role of polycystins in pressure sensing

Selected speaker: Hélène Gautier (UK) Influence of the mechanical environment on neuronal electrical properties

10:30 Coffee break

11:00-12:00 Oral communication 1. Pharmacology ragtime

Talks selected by David Stroebel, Paris

Sébastien Marra (France) Activation of ASIC3 ion channel by endogeneous lipids

Zied Landoulsi (Tunisia) Subtype-selective activation of Kv7 Channels by AATXKb(2-64), a novel toxin from androctonus australis scorpion venom

Jean-François Desaphy (Italy) Pharmacological characterization of a new HNAV1-4 sodium channel mutation causing myotonia permanens : a step forward personalized medecine

Christian Legros (France) The sensitivity of GABAA receptors to the anxiolytic compound etifoxine is modulated by both α and β subunit composition

12:15 Wine tasting

13:00 Lunch

15:00-17:00 Poster session 1

17:00 Symposium 2. Chemical environmental stressors & ions channels

Organized by Claude Collet, Avignon

Isaac Pessah (USA) RyR Channel Mutations Confer Susceptibility to Environmental Triggers of Disease.

Christopher Connolly (UK) The impact of cholinergic pesticides on bee neuronal function.

Michael Hans (Germany) The ubiquitous Bisphenol A and its relationship to Ca channel.

Selected speaker: Caroline Strube (France) Remodeling of glial coverage of rats NTS (nucleus tractus solitarii) glutamatergic synapses after ozone inhalation.

19:00 Plenary lecture

Anne Feltz (France) Toward imaging cellular calcium microdomains.

20:00 Dinner

Tuesday, september 16th 2014

8:45 Symposium 3. Cardiac electrophysiology : New experimental approaches

Organized by Aurélien Chatelier, Poitiers

Emilia Entcheva (USA) Towards All-Optical Electrophysiology via Optogenetics : Combining Optical Actuation and Optical Sensing.

Julia Gorelik (UK) Scanning Ion Conductance Microscopy in Cardiac Biology.

Albano Meli (France) Functional properties of hiPSC-derived cardiomyocytes and disease modeling.

Selected speaker: Jean-François Rolland (Italy) Lighting up Ion Channel Drug discovery.

10:30 Coffee break

11:00-12:00 Oral communication 2. Physiology ragtime

Talks selected by Carole Levenes, Paris

Baptiste Rode (UK) Disruption of TRPC channel ion permeation protects against weight gain in hypercholesterolaemic mice.

Marina Balycheva (Italy) Microdomain-specific location of L-type calcium channels with increased open probability in patients with atrial fibrillation : role of channel subunits.

Amélie Borie (France) Oxytocin and Vasopressin regulate electrophysiological properties of lateral septum neurons.

Benjamin Compans (France) Dynamic and nanoscale organization of AMPA Receptors during Long Term Depression.

12:15 Lunch

15:00-17:00 Poster session 2

17:00 Symposium 4. Ion Channels and Cancer

Organized by Hélène Guizouarn, Nice

Luis Pardo (Germany) Kv10.1 in tumor biology: mechanisms and therapeutic implications.

Ildiko Szabo (Italy) Mitochondrial channels: ion fluxes and more.

Christophe Vandier (France) The calcium activated SK3 channel: from a role on metastasis development to the emergence of the Canceropole Grand Ouest ion channel network.

Selected speaker: Raphael Rapetti-Mauss (Ireland) β -catenin regulates KCNQ1 Potassium channel expression in colon cancer cells.

18:45 Annual meeting of the association Canaux ioniques.

20:15 « Menu Boyard » Special Dinner

21:30 Poster Prize

21:40 « Mort Subite » session

22:15 Evening Party

Wednesday, september 17th 2014

9:45 Symposium 5. Intracellular Calcium Homeostasis

Organized by Michel Vignes, Montpellier

Stefan Feske (USA) Regulation of CRAC channels and their role in immune function.

Dimitri Rusakov (UK) Monitoring uneven landscapes of resting Ca^{2+} in neurons and glia using time-resolved fluorescence imaging.

Bruno Allard (France) Sarcoplasmic reticulum Ca^{2+} permeation explored from the lumen side provides new insights into excitation-contraction coupling in skeletal muscles.

Selected speaker: Elizabeth Aguetaz (France) Effect of Axial stretch on calcium regulation in mouse dystrophic cardiomyocytes: involvement of TRPV2 channels ?

11:30 Oral communication Prize

11:40 Meeting closure

12:00 Lunch

13:00 Shuttle departure

SPONSORS-EXHIBITORS-AVERTISERS

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