

PROGRAM MONDAY, SEPTEMBER 22

SYMPOSIUM I: Ion Channels in Plants Responses to Biotic and Abiotic Stresses

(organized by **Sébastien Thomine**, Gif/Yvette)

8h30 Thorsten Nuernberger (Halle, Germany): Ion channel functions in the transduction of innate immune response in plant cells.

9h00 Frans Maathuis (York, UK): Channel mediated sodium uptake in plants is regulated by cyclic nucleotides.

9h30 Christian Mazars (Castanet-Tolosan, France): Cytosolic and nuclear calcium signatures control response specificity to biotic and abiotic stress in tobacco cells.

10h00 A word from the exhibitors

10h30 Coffee break

ORAL COMMUNICATIONS I: Molecular Physiology of Na⁺ and K⁺ Channels

(chaired by **Stéphanie Barrère-Lemaire**, Montpellier France)

11h15 Rugiero, F. (Marseille, France): Ultra slow inactivation of tetrodotoxin-resistant Na⁺ current

11h30 Le Bouter, S. (Nantes, France): Chronic amiodarone dose-dependently remodels ion channel expression in the heart.

11h45 Gally, F. (Grenoble, France): Investigating the regulation of K-ATP channels using hybrid SUR subunits having duplicated nucleotides binding domains.

12h00 Royer, A.C. (Nantes, France): Involvement of HERG channel in heart rate control of repolarization in a murine engineered model.

12h45 Lunch

15h00 POSTERS Session I (odd numbers)

16h00 Coffee break

SYMPOSIUM II : Ion Channels in Auditory Physiology

(organized by **Florian Lesage**, Nice)

17h00 James Hudspeth (New York, USA): How the ear's works work: mechano-electrical transduction and amplification by hair cells.

17h30 Thomas Jentsch (Hamburg, Germany): KCNQ K channels and KCC K-Cl cotransporters in deafness.

18h00 Jean Pierre Hardelin (Paris, France): Gap junction networks in the inner ear: what for?

PLENARY LECTURE :

18h30 Alain Trautmann (Paris, France): Receptors, synapses and information transfer in the immune system.

19h30 Annual meeting of the ACI. « Association Canaux Ionique »

20h30 Dinner

PROGRAM TUESDAY, SEPTEMBER 23

SYMPOSIUM III : Cardiac Physiology

(organized by **Isabelle Baro**, Nantes)

8h30 David Van Wagoner (Cleveland, USA) : Influences of inflammation and oxidative stress on atrial remodeling during atrial fibrillation.

9h00 Dirk Snyders (Antwerpen, Belgique): HERG channel in the context of congenital and acquired long QT syndrome.

9h30 Jacques Barhanin (Nice, France): KvLQT1 and cardiac channelopathies.

10h30 Coffee break

ORAL COMMUNICATIONS II: Neuronal Calcium Channels: From Structure to Function

(Chaired by **Pierre Paoletti**)

11h15 Sandoz G. (Grenoble, France): Channel disassembly as a mechanism of G-protein regulation.

11h30 McRory J.E. (Calgary, Canada): The CaCNA1F gene implicated in congenital night blindness encodes an L-type calcium channel with unusual biophysics and tissue distribution.

11h45 Lambert, R. (Paris, France): Channel state dependent regulation of T-type Ca²⁺ currents by ATP in thalamocortical neurons: a paradoxical potentiation of current amplitude at resting membrane potential.

12h00 Autret L. (Montpellier, France): Pressure effect on CaV3.2 calcium channel characterized in developing primary vestibular neurons.

12h45 Lunch

14h00- 15h00 Exhibitor session

15h00 POSTERS Session II (even numbers)

16h00 Coffee break

SYMPOSIUM IV : Molecular Physiology of GABA_A Receptors

(organized by **Alice Guyon**, Nice)

17h00 Myles Akabas (New York, USA): Probing Conformational Changes in the GABA_A Receptor During Activation by GABA and General Anesthetics.

17h30 Trevor Smart (London, UK): Probing the structure of synaptic and extrasynaptic GABA_A receptors.

18h00 Yezekiel Ben-Ari (Marseille, France): GABA: a pioneering transmitter used even before synapse formation.

19h30 Dinner

21h00 "Mort Subite" session (Chair person : Pierre-François Mery)

PROGRAM WEDNESDAY, SEPTEMBER 24

ORAL COMMUNICATIONS III: Ion Transport in Plants: From Gene to Regulation

(Chaired by **Hervé Sentenac**, Montpellier, France)

- 9h15 Hanana M.** (Mamamm-Lif, Tunisie): Identification et caractérisation de fragments de gènes associés à la tolérance à la sécheresse et à la salinité chez la vigne (*Vitis vinifera* L.)
- 9h30 Reboutier D.** (Paris, France): Hrpnea and Hrpwea from *Erwinia Amylovora* have antagonist effects on cell death and ion channel regulation in *Arabidopsis Thaliana* suspension cells.
- 9h45 Schmidt D.** (Golm, Germany): Two-pore K⁺ channels in plants
- 10h00 Véry A-A.** (Montpellier, France): Structure/function analysis in a Na⁺ transporteur from *Arabidopsis*.

10h15 Coffee break

SYMPOSIUM V : Ion Channels and Pain

(organised by **Emmanuel Bourinet**, Montpellier)

- 11h00 John Wood** (London, UK): Molecular characterization of ion channels in damage-sensing neurons.
- 11h30 Gerald Zamponi** (Calgary, Canada): Modulation of N-type calcium channels by selective organic compounds and opioid like receptors.
- 12h00 Nicolas Voilley** (Nice, France): ASIC channels and inflammatory pain.

12h30 Meeting closure

12h45 Lunch