SUNDAY, SEPTEMBER 12ND

15:00-19:30 Welcome of the meeting attendees

19:15 Cocktail 20:15 Dinner

MONDAY, SEPTEMBER 13RD

8:25 Meeting opening

Symposic	um I: "ION CHANNELS AND TOXINS"
Organize	ed by Anne BARON-FORSTER, IPMC, CNRS-UNSA, UMR6097, Nice, France
8:30	Frank BOSMANS (Bethesda, USA). Functional properties and toxin pharmacology of a dorsal root ganglion sodium channel viewed through its voltage sensors
9:00	Enzo WANKE (Milan, Italia). Promiscuity and selectivity of venomous peptides and vulnerability of sodium and potassium channels
9:30	Ines IBANEZ-TALLON (Berlin, Germany). Cell-Surface Tethered Toxins for Studies Of Neuronal Circuitry In Vivo
10:00	Rocio FINOL-URDANETA (Canada). Discrimination Among Heteromeric K+ Channels May Underlie Cardioprotection By An Inhibitory Conotoxin
10:30	A word from Nanion Technologies

10:45 Coffee break

	munications I: "IONIC COCKTAIL" Sophie NICOLE Inserm U975; UPMC, Paris, France
11:15	Matthieu VANDENBERGHE (France). Orail And Stim1 Are Involved In Keratinocytes Differentiation
11:30	Romain FELIX (France). ionic events during the maturation of human monocytederived dendritic cells
11:45	Diana DAHAN (France). Involvement Of Trpv2 And Trpv4 In Pulmonary Artery Hypertension
12:00	Manuel NIEVES-CORDONES (France). Regulation Of Inward K+ Channel Activity In Arabidopsis By The Shaker Subunit Atkc1: Molecular Mechanisms And Role In Control Of

12: 15 A word from DIPSI

12:30 Lunch

15:00-17:00 POSTERS SESSION I (numéros impairs - odd numbers)

Stomatal Opening And Plant Adaptation To Water Stress

Symposiu	
Organize	d by Mallorie POET, TIANP, CNRS-UMR 6097, UNSA, Nice, France
17:00	Chirstian HUBNER (jena, Germany). Functions unraveled by dysfunction: Bicarbonate transporters of the SIC4A gene family
17:30	Harald H. SITTE (Vienna, Osterreich). Monoamine Transporters: why amphetamines take two to tango!
18:00	Raul ESTEVEZ (Barcelona, Spain). Molecular basis of megalencephalic leukoencephalopathy with subcortical cysts: ion siphoning by astrocytes
18:30	Ingrid CHAMMA (France). Activity-Dependent Regulation of the Membrane Dynamics Of The Neuronal Potassium/Chloride Cotransporter KCC2
18:45	Rreak

19:00	<u>Special lecture</u>	
	Ehud ISACOFF Variations on voltage sensing	

20:00 Lunch

TUESDAY, SEPTEMBER 14TH

Symposic	
_	d by Olivier PICHON, Universite Francois-Rabelais de Tours, EA 2106 TOURS, France
8:45	Stefan HOHMANN (Göteborg, Sweden). Yeast aquaporins are controlled by and involved in developmental programmes
9:15	François CHAUMONT (Louvain-la-Neuve, Belgium). Plant plasma membrane aquaporins: a highly regulated plumbing system
9:45	Jerome BADAUT (Loma Linda, USA) Aquaporin a multi-functional channel: from aqueduct to pipeline
10:15	Pascal JOURDAIN (Switzerland). Optical recording of transmembrane water transport by Digital Holographic Microscopy.
10:30	A word from GATC Biotech

10:45 Coffee break

Oral Con	munications II: "ION CHANNELS IN PATHOLOGICAL CONDITIONS"
Chair: Se	Ébastien Roger, Universite Francois-Rabelais de Tours, Inserm U921, France
11:15	Cynthia ORE-CERPA (France). Biological pacemakers engineered by non-viral gene transfection of ventricular cardiomyocytes with HCN1-HCN2 channels in a mouse model of complete atrioventricular block
11:30	Xavier GASULL (Spain). TRESK channel contribution to drg sensory neuron hyperexcitability following nerve injury
11:45	Hélène GAUTIER (UK). Neurotransmitter signalling in two types of oligodendrocyte precursor cells during remyelination.
12:00	Mehdi HAMMADI (France). Human Ether À $Go-Go$ (Heag1) K+ Channels Are Critical For Breast Cancer Migration
12:15	A word from Ad instruments

12:30 Lunch

15:00-17:00 POSTERS SESSION II (numéros pairs - even numbers)

Symposium	n IV: "NEURONAL EXCITABILITY and INTEGRATION"
Organized	by Desdemona FRICKER, CRICM - CNRS UMR 7225, Paris, France
17:00	Richard H. KRAMER, (Berkley, USA) - Non-genetic photochemical tools for controlling neural activity with light
17:30	Matthew NOLAN, (Edinburgh, UK) - The topographic organization of spatial encoding by
	neurons in layer II of the medial entorhinal cortex
18:00	Bruce P BEAN (Harvard, USA) Drug delivery through TRP channels
18:30	Camille LIAUTARD (France). Impact of nav1.1 loss-of-function on hippocampal network
	excitability in a severe myoclonic epilepsy of infancy mouse model.

18:45	ANNUAL MEETING of the "Association Canaux Ioniques"
20:15	Dinner
21:00	"MORT SUBITE" SESSION

WEDNESDAY, SEPTEMBER 15TH

Symposiu	m V: "MEMBRANE DYNAMICS OF ION CHANNELS"
Organize	d Jean-Christophe PONCER, INSERM - Institut du Fer a Moulin, Paris, France.
9:00	Josef KITTLER (University College, London). NMDA receptors regulate gabaa receptor lateral mobility and clustering at inhibitory synapses through calcineurin and serine 327 on the gamma 2 subunit
9:30	Laurent GROC (CNRS, Université Bordeaux 2, France). High-resolution imaging of membrane nmda receptor trafficking: more dynamic than previously thought
10:00	Michael TAMKUN (Colorado State University, USA) Kv2.1 localization and function are regulated by a diffusion trap mechanism
10:30	Christophe LETERRIER (France). "Ankyrin G and protein kinase CK2 restrict sodium channel diffusion at the axonal initial segment before the establishment of the diffusion barrier"

10:45 Coffee Break

Oral Communications III: "LIPIDS AND ION CHANNELS"	
Chair: Jean-Luc Morel, CNRS UMR5228, Talence, France	
11:00	Gildas LOUSSOUARN (France). Phosphatidylinositol-4,5-bisphospate (PIP2) stabilizes the open pore conformation of the Kv11.1 (hERG) channel
11:15 11:30	Fabrice HOMBLE (Belgium). Modulation of plant mitochondrial vdac by phytosterols Alban GIRAULT (France). Alkyl-glycolipids are new inhibitors of sk3 channel and therefore of cancer cell motility

- 11:45 Meeting closure
- 12:00 Lunch