PROGRAM

Sunday, September 6th, 2026

16:00 – 19:00 Welcome of the meeting attendees

19:00 ***Welcome drink and Dinner***

21:00 Plenary lecture

Pr. Stefan Feske **(New York University Grossman School of Medicine, New York, USA)**
"Novel Ion Channels and Transporters in Immunity"

Monday, September 7th, 2026

08:30 Opening session

08:45 Symposium 1: "When mechanics drives biology"
Organized by Rémi PEYRONNET (Institute for Experimental Cardiovascular Medicine, University of Freiburg, Germany)

Thomas Grutter **(CBST, UMR 7199, Strasbourg, France)**
"Optical control of PIEZO channels provides new insights into mechanogating"
Medha M. Pathak **(UC Irvine, Irvine, CA, USA)**
"Molecular Choreography of Piezo1 in Development and Repair"
Annette Hammes **(Max Delbrück Center for Molecular Medicine, Berlin, Germany)**
"PIEZO2 Mechanotransduction in Coronary Angiogenesis and Endothelial Fate Specification"

Selected speaker:
Thomas Manicom Ramsamy **(Institut for Advanced Biosciences, Grenoble, France)**
"An epigenetic BRG1-P300 module gates mechanosensitive-channel expression and endothelial dysfunction in cerebral cavernous malformations"

10:30 Sponsor presentation

10:45 ***Coffee break***

11:15 Oral communication session 1: "Ion channel/transporter diversity across species"
Organized by Laetitia MONY (Institut de Biologie, École Normale Supérieure, Paris, France)

Sara Kaaki **(Université d'Orléans, Laboratoire Physiologie, Ecologie et Environnement (P2E), UR 1207, USC-INRAE 1328, France)**
"Honeybee α1α8β1 nicotinic acetylcholine receptor generates several distinct stoichiometries associated to acetylcholine activation"
Luca Pigelet **(Institut de Pharmacologie Moléculaire et Cellulaire (IPMC), Sophia Antipolis, France)**
"Species-specific properties of ASICs in human DRG neurons"
Sarah Shoushrah **(Institute for Functional Gene Analytics, Bonn-Rhein-Sieg University of Applied Sciences, Rheinbach, Germany)**
"Do homomeric assemblies of human epithelial sodium channels (ENaC) exist? limitations of the Xenopus laevis oocytes model"
George Parsons **(Biosciences Institute, Newcastle University, UK)**
"Reshaping the binding pocket of APC superfamily solute carriers (SLCS)"

12:15 1-minute oral presentation for posters (even numbers)

12:45 Lunch

14:00 Poster session 1 (even numbers)

15:30 Coffee break

15:45 Sponsor presentation

16:00 Symposium 2: "Channelopathies & Transporteropathies: rare variants, broad impact"
Organized by Olga ANDRINI (MeLiS, CNRS UMR 5284, INSERM U1314, Université Lyon 1 Claude Bernard, France)

Elena Bossi **(Università degli Studi dell'Insubria, Varese, Italy)**
"GABA Homeostasis and Neurodevelopment: How SLC6A1 (GAT1) Mutations Disrupt GABAergic Transmission"
László Csanády **(Semmelweis University, Budapest, Hungary)**
"Molecular pathology of cystic fibrosis associated rare CFTR mutations"
Michael Pusch **(Istituto di Biofisica, CNR, Genova, Italy)**

"Dominant effects of loss- and gain-of-function variants in neuronal endosomal CLC transporters"

Selected speaker:
Alexandra Typou **(Institute of Functional Genomics, Montpellier, France)**
"In vivo characterization of a disease-associated NALCN variant using a conditional knock-in mouse model"

17:45 - 18:45 Oral communication session 2: "Ion channels in cancer: from cellular adaptation to therapeutic response"
Organized by Valerio FARFARIELLO (CRCLille, INSERM U1366, Université de Lille, France)

Juan Manuel Gómez-Sedeño **(Master in Translational Biomedicine. Institute of Medical-Biological Research, Universidad Veracruzana. Agustín de Iturbide S/N. Col. Flores Magón.Veracruz, Veracruz, México)**
"Expression profiling of TRPM2 in colorectal cancer: a combined in silico and ex vivo analysis"
Estefania Torres Ortiz **(Institute of Biology Valrose, Nice, France)**
"membrane depolarization drives WNT/β-catenin signaling in colonic homeostasis and colorectal cancer"
Théo Branchu **(Laboratory Channels and Connexins in Cancer and Cell Stemness, University of Poitiers, France)**
"Carboxyamidotriazole impacts store-operated calcium entries and decreases stem-like properties in glioblastoma stem cells"
Alice Hasselsweiller **(Univ. Lille, Inserm, CHU Lille, CNRS, U1366-UMR9020 – CRCLille – Cancer Research Center of Lille, Lille, France)**
"TRPM2 promotes therapeutic resistance in triple-negative breast cancer through the regulation of intracellular calcium homeostasis"

19:30 Apéritif dînatoire sétois

Tuesday, September 8th, 2026

08:45 Symposium 3: "The neglected CRAC Proteins: Orai2, Orai3 and STIM2"
Organized by Bruno CONSTANTIN (IFR Santé, Laboratoire 4CS, Université de Poitiers, CNRS UAR BioS N° 2038)

Barbara Niemeyer **(Saarland University, Saarbrücken, Germany)**
"STIM2 and Orai and calcium entries"
Juan A. Rosado **(University of Extremadura, Badajoz, Spain)**

"Functional role of Orai3 in the pathophysiology of luminal breast cancer"
Rajender K. Motiani **(UNESCO-Regional Centre for Biotechnology, Delhi-NCR, India)**
"Demystifying the mystery of Orai3 function and regulation in Pancreatic Cancer"

Selected speaker:
Leonie Hoppe **(Molecular Biophysics, Saarland University, Homburg, Germany)**
"STIM2 mutations found in a patient with non-tuberculous mycobacterium infection display altered store-operated Ca^{2+} influx (SOCE)"

10:15 Coffee break

10:30 - 11:00 1-minute oral presentation for posters (odd numbers)

11:00 Coffee break

11:15 - 12:45 Poster Session 2 (odd number)

12:45 Lunch

13:45 Appointment for Social event

17:15 Symposium 4: "Intracellular ion channels in health and diseases"
Organized by Natacha PREVARSKAYA (CRCLille, INSERM U1366, Université de Lille, France)

Irina Serysheva **(McGovern Medical School, Houston, USA)**
"Structural Insights into Isoform-Specific Regulation of IP3 Receptors"
Andrea Guse **(Center for experimental medicine, Institute of Biochemistry and Molecular Cell Biology, Universitätsklinikum Hamburg-Eppendorf, Hamburg, Germany)**
"NAADP evoked Calcium Signaling"
Christian Grimm **(Department of Pharmacology, University of Oxford, Department of Pharmacology, LMU University of Munich Fraunhofer Institute Munich, Germany)**
"Endolysosomal TRPMLs/TPCs: New aspects of their physiological and pathophysiological relevance"

Selected speaker:

Quentin Lelievre **(LP2M, CNRS, Nice, France)**
"Biophysical properties of acid-sensitive twik1 dynamic selectivity: insights into iron metabolism"

19:00 Annual meeting of the Association

20:00 Dinner

21:00 Social Event

Wednesday, September 9th, 2026

09:30 Symposium 5: "Adaptation: how ion channels enable cells to detect changes"
Organized by Joël TABAK (University of Exeter, England)

Qiang Liu **(City University of Hong Kong, Hong Kong)**
"Adaptive Action Potentials and Spike Coding in *C. elegans*"
Lina Maria Jaime Tobon **(INM, Montpellier, France)**
"How the auditory system achieves high dynamic range"

Selected speakers:
Marvin Gaillardon **(Institut de Génomique Fonctionnelle, Montpellier, France)**
"Ionic mechanisms of parasympathetic regulation of heart rate"
Josep Martí-Solans **(Observatoire Océanologique de Banyuls-sur-Mer, CNRS/Sorbonne Université, France)**
"Ion channel-driven voltage dynamics as spatial cues for morphogenesis in ascidians"

11:15 Coffee break

11:40 Prizes and Meeting closure

12:00 Lunch