



ESC Workshop 2013

Logonna-Daoulas (Brittany, France)

20-23 October 2013



ORGANISATEUR:
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CALCIUM SIGNALING AS A HUB
FOR TRANSLATIONAL MEDICINE AND
STARTING POINT TO MODEL LIFE



Afternoon DAY 1 : October 20th

- Participant arrival: Shuttle from workshop location to Brest Airport and train station to conference location
- Registration
- **19H00** Diner and welcome event

DAY 2 : October 21

Morning

SESSION 1: Ca²⁺ toolkit and system biology:

Chairman: Jacques Haiech

Session presentation: Jacques Haiech

- **Speaker 1 talk 1:** Jacques Haiech

(Université de Strasbourg 1 Faculté de Pharmacie)

Title : How to implement cursus on calcium signaling ?

- **Speaker 1 Talk 2:** Jacques Haiech

(Université de Strasbourg 1 Faculté de Pharmacie)

Title: Calcium Biobricks: state of the art and perspectives.

- **Speaker 2:** Ryad Benosman (Institut de la vision Paris)

Title: Time Oriented Imaging

Afternoon

SESSION 2: Optogenetic approach for illuminating calcium signaling.

Chairman: Thierry Capiod

Session presentation: Thierry Capiod

- **Speaker 1 :** Alex Mouro

(UMR 7102 CNRS Université P et M Curie)

Title: Photochemical control of pain sensing neurons

- **Speaker 2 :** Stefan Herlitze (Bochum, Germany)

Title: Control of G protein signalling, neuronal activity and behaviour by light activated GPCRs

- **Speaker 3 :** Martin Oheim, (Paris Descartes)

Title: Seeing red for measuring Ca²⁺: new dyes, new sensors, new concepts.»

- **Speaker 4 :** Eirini Papagiakoumou

(Inserm S603, Cnrs UMR 815 paris Descartes)

Title: Optical techniques for in-depth multi-cell stimulation

- **Speaker 5 :** Deniz Dalkara (Institut de la vision, Paris)

Title: Opto-gene therapy for comprehension and restauration of vision

Evening: ECS board meeting + Round Table: chairs: Catherine Leclerc – Jacques Haiech

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DAY 3 : October 22

Morning

SESSION 3: Any future for Ca²⁺ toolkit pharmacology? :

Chairman: Olivier Mignen

Session presentation: Olivier Mignen

- **Speaker 1:** Olivier Dellis (INSERM U757 Paris XI –Orsay - France)

Title: New opportunities to regulate the Store-Operated Calcium Entry

- **Speaker 2:** Marc Blondel (INSERM U1078 - Brest - France)

Title: Flirting with calcium-signaling related diseases at happy hour.

- **Speaker 3:** Michel de Waard

(Smartox Company- INSERM U836 – Grenoble - France)

Title: Maurocalcine as pharmacological modulator of the ryanodine receptor : where are we standing and what can we expect from this peptide in the future

- **Speaker 4:** Urban Liebel

(Accelerator Lab, Karlsruhe Institute of Technology, Germany)

Title : Smart microscopy platforms for efficient in vivo 4D small molecule screens

- **Speaker 5:** Wesley Brooks

(Department of Chemistry, University South Florida, Tampa USA)

Title: virtual screening and peptidomimetics in drug discovery: targeting STIM1

Afternoon

- **Free Afternoon:** Tonic Challenge (outdoor activities)

Evening

- **Round Table:** chairs: Catherine Leclerc – Jacques Haiech

DAY 4: October 23

Morning

SESSION 4: Calcium signaling biomarkers in pathology: Relevance and future directions:

Chairman: Marc Moreau

Session Presentation: Marc Moreau

- **Speaker 1:** Christophe Vandier

(INSERM 1069 –Tours – France)

Title: The calcium activated SK3 channel : from a role on metastasis development to the emergence of the Canceropole Grand Ouest ion channel network.

- **Speaker 2:** Ronald Rooke (Transgene – Illkirch - France)

Title: Can Calcium Signaling be harnessed for cancer immunotherapy?

- **Speaker 3:** Roman Krzysiek

(Centre de Recherche Inserm, U996 – Clamart - France)

Title: TRPM4-dependent regulation of calcium influx controls Foxp3+ Treg cell function and survival

- **Speaker 4:** François Iris

(Chairman & CSO Bio-Modeling Systems – Paris - France)

Title : Calcium signaling alterations in neuropsychiatry: “Biomarker” becomes a functionally very indirect and context-dependent concept.

Concluding remarks

Lunch

Shuttle from workshop location to Brest Airport and train station

Location:

Centre Nautique de Moulin Mer
(Logonna Daoulas)
50 participants