

Wednesday July 19

13:00-19:00	Arrival and registration	
19:00-20:00 Keynote Lecture Chair: Volker Gerke	Michael Berridge (Cambridge, UK)	Calcium signaling in health and disease
20:00-23:00 - WELCOME RECEPTION		

Thursday July 20

SESSION 1: Ca²⁺-binding proteins (chemistry, therapeutic targets, evolution)

Chair: [Claude B. Klee](#) (Bethesda, USA)

8:30-9:30 Keynote Lecture	R.J.P. Williams (Oxford, UK)	The evolution of calcium functions
9:30-10:00	Reginald O. Morgan (Oviedo, Spain)	Deciphering function and mechanism of calcium-binding proteins from their evolutionary imprint
10:00-10:30	David J. Weber (Baltimore, USA)	S100B is a calcium-activated switch that turns off the tumor suppressor protein p53 in malignant melanoma

10:30-11:00 - BREAK

11:00-11:15	Arnaud Galichet (Zurich, Switzerland)	The RAGE receptor and the S100B proteins in brain pathology
11:15-11:30	Yoshinobu Izumi (Yonezawa, Japan)	Interaction of calomdulin with the cytoplasmic domain of a transmembrane GP41: a novel binding mode of calmodulin molecular recognition
11:30-12:00	Anni Vedeler (Bergen, Norway)	Annexin A2 as a mRNA-binding protein

12:00-15:00 - LUNCH AND POSTER SESSION

SESSION 2: Gene expression and calcium signaling

Chair: [Marc Moreau](#) (Toulouse, France)

15:00-15:30 Keynote Lecture	Catherine Leclerc (Toulouse, France)	Calcium transients and calcium signaling during early neurogenesis in the amphibian embryo <i>Xenopus laevis</i>
15:30-16:00	Raoul Ranjeva (Castanet-Tolosan, France)	Cytosolic and nuclear calcium signaling in plant cells : regulation and biological implication
16:00-16:30	Michael Kreutz (Magdeburg, Germany)	Caldendrin-Jacob : a protein liaison controlling NMDA receptor-activated synapse to nucleus communication
16:30-16:45	Hironori Suzuki (Nagoya, Japan)	Analyses of calcium-dependent interactions between ALG-2 and its binding partners involved in membrane trafficking
16:45-17:00	Magali Savignac (Madrid, Spain)	Role of dream, a transcriptionnal repressor regulated by calcium, in immune system

17:00-17:30 - BREAK

17:30-18:00	Alistair Hetherington (Lancaster, UK)	The guard cell calcium-based signalling network
18:00-18:30	Andrew L. Miller (Kowloon, Hong Kong)	Ca ²⁺ signalling during early embryonic patterning in zebrafish

20:00 - RECEPTION AT THE CITY HALL

FREE EVENING

Friday July 21

SESSION 3: Calcium signaling and trafficking

Chair: **Rosario Donato** (Perugia, Italy)

8:30-9:00	Marie-France Bader (Strasbourg, France)	Phospholipase D1 in calcium-regulated exocytosis : a checkpoint for monomeric GTPases
9:00-9:30	Nils Brose (Goettingen, Germany)	Calcium-dependent regulation of synaptic vesicle priming and synaptic short-term plasticity
9:30-10:00	Frank Wuytack (Leuven, Belgium)	The SCPA-type of Ca ²⁺ transport ATPases

10:00-10:30 - BREAK

SESSION 4: Calcium channels

Chair: **Claus Heizmann** (Zurich, Switzerland)

10:00-11:00	James Putney (NC, USA)	Modes of activation of CRAC and TRPC channels
11:00-11:30	Donald L. Gill (Baltimore, USA)	STIM proteins - mediators and regulators of store-operated channels
11:30-12:00	Philippe Lory (Montpellier, France)	Voltage-gated calcium channels in genetic diseases

12:00-15:00 - LUNCH AND POSTER SESSION

14:00-15:00 - ECS GENERAL ASSEMBLY

SESSION 5: Calcium binding proteins and pathophysiology

Chair: **Roland Pochet** (Brussels, Belgium)

15:00-16:00 Keynote Lecture	Martin D. Watterson (Chicago, USA)	Calmodulin-dependent kinases as therapeutic agents
16:00-16:30	Johannes Roth (Munster, Germany)	Inflammatory activities of myeloid related protein 8 (MRP8, S100A8) and MRP14 (S100A9)
16:30-16:50	Robert Schulz (Houston, USA)	Molecular basis of calcineurin function in Drosophila muscle development
16:50-17:00	Feihan Dai (Toronto, Canada)	Visinin-like-protein-1 (VILIP-1) is expressed in pancreatic b-cells and regulates insulin secretion and insulin gene transcription
17:00-17:15	Rosario Donato (Perugia, Italy)	S100B/rae-dependent activation of Microglia : stimulation of COX-2 expression and TNF- α release
17:15-17:30	John R. Dedman (Cincinnati, USA)	Nuclear Ca ²⁺ /calmodulin-dependent protein kinase II in the murine heart
17:30-18:00	Jacek Kuznicki (Warsaw, Poland)	Presenilins, their proteins partners, and calcium

Saturday July 22

SESSION 6: Systems Biology (signaling pathways, technical aspects, nanotechnology, virtual cell)

Chair: Stephen E. Moss (London, UK)

9:00-10:00 Keynote Lecture	Claude B. Klee (Bethesda, USA)	From calcium calmodulin to gene expression
10:30-10:30	Llewelyn Roderick (Cambridge, UK)	Calcium release through inositol 1,4,5-trisphosphate receptors is required for the induction of cardiac hypertrophy
10:30-11:00 - BREAK		
11:00-11:30	Andreas H. Guse (Hamburg, Germany)	NAADP : from second messenger to therapy
11:30-11:45	Vincenzo Sorrentino (Siena, Italy)	A FRAP-based analysis of the assembly and dynamics of sarcoplasmic reticulum proteins in skeletal muscle cell
11:45-12:10	Jenny J. Yang (Atlanta, USA)	Rational design and prediction of calcium binding proteins
12:10-12:30	Volker Gerke (Munster, Germany)	Closing remarks
12:00 - LUNCH BASKET and END OF THE MEETING		