

Scientific Program

Wednesday 28th July

13:00-19:00	Arrival and registration	
18:45-19:00 Introduction	Stephen Moss	
19:00-20:00 Plenary Lecture Chair: Martin Bootman	Donald Gill (Baltimore, USA)	Calcium entry mediated by SOCs and TRP channels: variations and enigma

20:00 - LATE - WELCOME PARTY

Thursday 29th July

SESSION 1: Mitochondria

Chair: Rosario Donato

8:30-9:15 Keynote Lecture	Rosario Rizzuto (Ferrara, It)	Mitochondrial Ca ²⁺ signalling in cell life and death
9:15-9:45	Pontus Aspenstrom (Uppsala, S)	Rho GTPases in mitochondrial regulation
9:45-10:15	Mike Duchen (UK)	Calcium, mitochondria and oxidative stress in models of neurodegeneration

10:15-10:45 - BREAK

SESSION 2: Cell Division

Chair: Daniela Pietrobon

10:45-11:15	Michael Whitaker (Newcastle, UK)	Calcium signals in sperm, eggs and embryos
11:15-11:45	Howard Baylis (Cambridge, UK)	IP ₃ signalling in the C. elegans embryo
11:45-12:15	John Carroll (London, UK)	Ca ²⁺ signalling in meiosis and mitosis

12:15-15:30 - LUNCH AND [POSTER SESSION 1](#)

14:15-15:15

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Technical Workshop

SESSION 3: Ca²⁺-binding proteins

Chair: Rachel Wong

15:30-16:00	Bob Burgoyne (Liverpool, UK)	Neuronal calcium sensor proteins and the regulation of neurotransmission
16:00-16:30	Walter Chazin (Nashville, USA)	Structural mechanisms and target selectivity in EF-hand proteins
16:30-17:00	Reg Morgan (Oviedo, Es)	Evolutionary perspective on calcium binding protein families

ORAL POSTER PRESENTATIONS

Chair: Jim Putney

17:00-17:15	Jan-Marek Weislogel (Heidelberg, Germany)	Calcium imaging using recombinant calcium probes in primary hippocampal neurons
17:15-17:30	Alexis Menteyne (Paris, Fr)	NAADP signalling in mice pancreatic acinar cells: characterization of the calcium stores involved
17:30-17:45	Gabriele Ackermann (Zurich, Switzerland)	S100A1-deficient mice display characteristics of hypertrophy and enhanced myocardial performance
17:45-18:00	David J Weber (Baltimore, USA)	The calcium-dependent interaction of S100B with p53 inhibits the function of the tumor suppressor

FREE EVENING

Friday 30th July

SESSION 4: Calcium and Disease I

Chair: Volker Gerke

8:30-9:15 Keynote Lecture	Harvey Pollard (Bethesda, USA)	Annexin-dependent signaling pathways
9:15-9:45	Wei-Jen Tang (Chicago, USA)	Structural basis for the regulation of anthrax edema factor by calcium-calmodulin
9:45-10:15	Daniela Pietrobon (Padova, It)	Mutant calcium channels and migraine

10:15-10:45 – BREAK

SESSION 5: Calcium Physiology

Chair: Claus Heizmann

10:45-11:15	Kathy Hajjar (New York, USA)	In vivo functions of annexin 2
11:15-11:45	Frank Wuytack (Leuven, B)	The Ca ²⁺ /Mn ²⁺ pumps in the Golgi apparatus
11:45-12:15	Mitsuhiko Ikura (Toronto, Can)	Structural basis for IP ₃ -mediated Ca ²⁺ release from ER

12:15-15:30 - LUNCH AND [POSTER SESSION 2](#)

14:30-15:30 - ECS GENERAL ASSEMBLY

SESSION 6: Cell Signaling

Chair: Joachim Krebs

15:30-16:00	Jim Putney (Raleigh, USA)	Novel mechanisms of calcium entry regulation
16:00-16:30	Alexei Tepikin (Liverpool, UK)	How to make local calcium signals: a lesson from polarized epithelial cells
16:30-17:00	Vincenzo Sorrentino (Siena, It)	A molecular approach to the organization of the calcium releasing machinery in the sarcoplasmic reticulum

ORAL POSTER PRESENTATIONS

Chair: Jacques Haiech

17:00-17:15	Stéphanie Thebault (Villeneuve d'Ascq, Fr)	Differential role of TRP channels in Ca^{2+} entry and proliferation of primary human prostate cancer epithelial cells
17:15-17:30	Peter Lockyer (Cambridge, UK)	CAPRI is a novel sensor of Ca^{2+} entry revealing an analogue mode of Ca^{2+} -dependent ras deactivation
17:30-17:45	Thomas Vogl (Muenster, Germany)	Altered LPS signaling in $S100A9^{-/-}$ mice
17:45-18:00	Sacha Jensen (Oxford, UK)	Calcium binding to fibrillin-1 TB-cbEGF domain pairs: new insights into microfibril organisation

CONFERENCE BANQUET

Saturday 31st July

SESSION 7: Development and Neurobiology

Chair: Roland Pochet

9:00-9:45 Keynote Lecture	Rachel Wong (St.Louis, USA)	Calcium-dependent regulation of dendritic development in the retina
9:45-10:15	Nicholas Spitzer (San Diego, USA)	The frequency of calcium spikes specifies neurotransmitter expression in the spinal cord
10:15-10:45	Peter Mobbs (London, UK)	Calcium waves in the developing chick retina and retinal pigment epithelium

10:45-11:15 – BREAK

ORAL POSTER PRESENTATIONS

Chair: Alexei Tepikin

11:15-11:30	Catherine Leclerc / Marc Moreau (Toulouse, Fr)	A calcium-dependent pathway is involved in the formation of the embryonic kidney in Xenopus
11:30-11:45	Rod O'Connor (Cambridge, UK)	Cytosolic Ca ²⁺ activates mitochondrial Ca ²⁺ uptake
11:45-12:00	John Dedman (Ohio, USA)	Targeted inhibition of Ca ²⁺ /calmodulin-dependent kinase II in cardiac myocytes of transgenic mice
12:00-12:15	Lorna Bailey (London, UK)	Roles for annexin 1 and annexin 2 in post-endocytic sorting of EGFR

12:15-13:45 - LUNCH

SESSION 8: Calcium and Disease II

Chair: Michael Berridge

13:45-14:15	Marie-France Bader (Strasbourg, Fr)	A role for lipids in the late stages of calcium-regulated exocytosis
14:15-14:45	Leon Lagnado (Cambridge, UK)	Calcium microdomains at the active zone
14:45-15:15	Xander Wehrens (New York, USA)	Ryanodine receptor dysfunction in cardiac disease

15:15 – 15:25 CLOSING REMARKS

15:25 MEETING ENDS