

# Scientific Program

Wednesday June 12, 2002

18h30 - 19h00	<b>Opening Ceremony:</b> Prof. Jean-Louis Vanherweghem, Pro-Recteur, Président du Conseil Scientifique de la Région de Bruxelles-Capitale - Prof. Marcel Rooze, Dean of the Faculty of Medicine and Roland Pochet, Chairman of the Symposium
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Chairman: R.J.P. Williams (Oxford)

19h00 - 20h00	PLenary Lecture: Sir Michael Berridge (Cambridge) "The versatility of cardiac calcium signalling"
20h00	<b>WELCOME PARTY</b>

Thursday June 13, 2002

## SESSION 1: Functional Genomics and Calcium

Chariman: Jacques Haiech (Strasbourg)

8h30-9h10	Jean Weissenbach (Evry)	The Human Genome sequence: Will it come to an end?
9h10-9h40	François Sigaux (Paris)	The French molecular tumor profiling project (CIT program)
9h40-10h10	Linda Van Eldik (Chicago)	Bioavailable small molecule inhibitors of calmodulin regulated protein kinases as starting points for new anti-neuroinflammatory drug discovery
10h10-10h40	<b>BREAK</b>	

Chariman: Koichi Suzuki (Tokyo)

10h40-11h10	Carolyn Geczy (Sidney)	Novel anti-inflammatory properties of S100A8
11h10-11h40	Dan Deutsch (Jerusalem)	Tuftelin : from Tooth to Brain
11h40-12h10	Alfredo Aquilar (European Union)	The 6th Framework Program
12h10-15h20	<b>LUNCH AND POSTER SESSION 1</b>	

## SESSION 2: Molecular Aspects of Calcium Signalling

Charimen: Linda Van Eldik (Chicago) and Christophe Erneux (Brussels)

15h20-16h20	Katsuhiko Mikoshiba (Tokyo)	Role of IP3 receptor in development and neural plasticity
16h20-16h50	Stephen B. Shears (Research Triangle Park, NC)	Antagonism of Calcium signalling by Inositol 3,4,5,6-tetrakisphosphate
16h50-17h20	René Bindels (Nijmegen)	The family of epithelial calcium channels: from identification towards regulation
17h20-17h50	J.B. Parys (Leuven)	Intracellular calcium release channels as multiprotein complexes
17h20-18h05	Jean-Gaël Barbara (Paris)	Calcium release in pyramidal neurones under physiological

		stimulations
18h05-18h20	Guy Cheron (Brussels)	Emergence of 160 Hz oscillation in the cerebellar cortex caused by inactivation of calcium binding proteins genes

**FREE EVENING**

## Friday June 14, 2002

### SESSION 3: Calcium Proteins Signalling

**Charimen:** Claus Heizmann (Zürich) and Rosario Donato (Perugia)

8h30-9h10	Anthony R. Means (Durham)	Differentiations defects in mice deficient in Ca <sup>2+</sup> /calmodulin-dependent protein kinase IV
9h10-9h40	Adi Kimchi (Rehovot)	The DAP-kinase family of proteins: study of a novel group of calcium-regulated death promoting kinases
9h40-10h10	Emmanuel Strehler (Rochester)	Human Calmodulin: Why do we need multiple genes for an identical protein?
10h10-10h40	<b>BREAK</b>	

**Chariman:** Volker Gerke (Münster)

10h40-11h10	Rod J. Flower (London)	Aberrant inflammation and resistance to glucocorticoids in the Annexin 1 <sup>-/-</sup> mouse
11h10-11h40	Annette Draeger (Bern)	Lipid rafts in contractile cells
11h40-11h55	Ursula Rescher (Münster)	Downregulation of cellular annexin A2 affects the endocytotic trafficking of membrane receptors
11h55-12h10	Günter Fritz (Zürich)	Zinc binding to S100 proteins; structural and functional aspects
12h10-15h00	<b>LUNCH AND POSTER SESSION 2</b>	
13h30-14h30	<b>E.C.S. GENERAL ASSEMBLY</b>	

### SESSION 4: Calcium Proteins Signalling

**Charimen:** Joachim Krebs (Zürich) and Claude Klee (Bethesda)

15h00-15h30	Hilmar Bading (Cambridge)	Stimulation of extrasynaptic NMDA receptors trigger creb shut-off and cell death pathways
15h30-16h00	Dan Lindholm (Uppsala)	Neuronal cell death regulation by Ca <sup>2+</sup> -binding proteins
16h00-16h30	M. Maki (Nagoya)	ALG-2 and Peflin: structure, function and molecular evolution of the penta-EF-hand calcium-binding proteins
16h30-17h00	Keiko Kobayashi (Kagoshima)	Citrin (aspartate glutamate carrier) deficiency: adult-onset type II citrullinemia and idiopathic neonatal hepatitis
17h00-17h30	Marek Michalak (Edmonton)	Endoplasmic reticulum chaperones in cardiac development and congenital pathology

17h30-17h45	Alejandra Tomas (London)	An investigation into the physiological role of annexin A11
17h45-18h00	Karl-Heinz Braunewell (Berlin)	NCS-proteins associate with pathological hallmarks in Alzheimer's disease and promote cell death and tau phosphorylation in vitro
20h00-23h00	<b>BANQUET* AND ECS POSTER PRIZE (*Salle de Marbre de l'Université Libre de Bruxelles, 50 avenue F.D. Roosevelt, 1050 Brussels)</b>	

## Saturday June 15, 2002

Joint Meeting with the Belgian Society for Cell and Developmental Biology and Yvonne Boël Fundation

8h00-8h50	Coffee and registration	
8h50-9h00	Introduction by Roland Pochet (Brussels)	
9h00-9h45	Erwin Neher (Göttingen)	Ca <sup>++</sup> -triggered release of neurotransmitters and hormones

### SESSION 5: Cyclic ADP-ribose and NAADP-mediated Ca<sup>2+</sup> Signalling

Charimen: Andreas Guse (Hamburg) and Stephen Moss (London)

9h45-10h20	Tim Walseth (Minneapolis)	Regulation of intracellular calcium by cyclic ADP-ribose in smooth muscle
10h20-10h50	Barry Potter (Bath)	Pharmacology of cADPR
10h50-11h20	Antony Galione (Oxford)	NAADP receptors: new channels for calcium release
11h20-11h35	Martin Hohenegger (Vienna)	NAADP activation of the skeletal muscle ryanodine receptor
11h35-12h05	Ole H. Petersen (Liverpool)	Combinatorial control of Ca <sup>2+</sup> release from a continuous endoplasmic reticulum pool by IP <sub>3</sub> cADPR and NAADP
12h05-14h15	<b>LUNCH AND POSTER SESSION 2</b>	

### SESSION 6: Ca<sup>2+</sup> and cell migration in normal and transformed cells "*Calcium Signalling*"

Charimen: Robert Kiss (Brussels) and Frans Van Roy (Ghent)

14h15-14h30	Ludo Van Den Bosch (Leuven)	Protective effect of parvalbumin on excitotoxic motor neuron death
14h30-14h45	Isabelle Camby (Brussels)	cDNA microarray-related evidences of galectin-1 mediated influences on S100 and calmodulin expression
14h45-15h30	Erkki Ruoslahti (La Jolla)	Integrins and cell survival: the role of Ca <sup>2+</sup> signalling
15h30-16h00	M.J. Humphries (Manchester)	Focal adhesion formation and cell migration mediated by the integrin $\alpha$ 4 $\beta$ 1 and $\alpha$ 5 $\beta$ 1 differ in their requirement for PKCa activation
16h00-16h30	Juan A. Rosado (Madrid)	Cytoskeleton and Ca <sup>2+</sup> entry in non-excitabile cells
16h30-17h00	<b>Concluding remarks and BSCB Poster Prize</b>	

