

Subscribing organizations are encouraged to copy and distribute this table of contents for non-commercial purposes

Biochemical Society Focused Meetings

Ubiquitin-Proteasome System, Dynamics and Targeting

Institut d'Estudis Catalans, Casa de Convalescència, Barcelona, Spain, 27–29 May 2009

Edited by Bernat Crosas (Institute of Molecular Biology of Barcelona, Spain), Rosa Farràs (Centro de Investigación Príncipe Felipe, Valencia, Spain), Gemma Marfany (University of Barcelona, Spain), Manuel Rodríguez (CIC bioGUNE, Derio, Spain) and Timothy Thomson (Institute of Molecular Biology of Barcelona, Spain).

Searching for the boundaries: unlimited expansion of ubiquitin and ubiquitin-like signals in multiple cellular functions

Bernat Crosas, Rosa Farràs, Gemma Marfany, Manuel S. Rodríguez and

Timothy M. Thomson

1–5

Assembly manual for the proteasome regulatory particle: the first draft

Soyeon Park, Geng Tian, Jeroen Roelofs and Daniel Finley

6–13

Drug discovery and assay development in the ubiquitin-proteasome system

Celia R. Berkers and Huib Ovaar

14–20

Selected oral communications

A new map to understand deubiquitination

Elijah J. Katz, Marta Isasa and Bernat Crosas

21–28

Chaperone-assisted assembly of the proteasome core particle

Ana C. Matias, Paula C. Ramos and R. Jürgen Dohmen

29–33

SUMO and ubiquitin paths converge

Amanda Denic and Gemma Marfany

34–39

Properties of natural and artificial proteins displaying multiple ubiquitin-binding domains

Fernando Lopitz-Otsoa, Manuel S. Rodríguez and Fabienne Aillet

40–45

SUMO chains: polymeric signals

Alfred C.O. Vertegaal

46–49

Antiviral activity of resveratrol

Michela Campagna and Carmen Rivas

50–53

SUMO and ubiquitin modifications during steroid hormone synthesis and function

Ana Talamillo, David Martín, Roland Hjerpe, Jonatan Sánchez and Rosa Barrio

54–59

Diversity of the SUMOylation machinery in plants

L. María Lois

60–64

The anaphase-promoting complex/cyclosome (APC/C): cell-cycle-dependent and -independent functions

Eusebio Manchado, Manuel Eguren and Marcos Malumbres

65–71

Cyclin A and Nek2A: APC/C-Cdc20 substrates invisible to the mitotic spindle checkpoint Wouter van Zon and Rob M.F. Wolthuis	72–77
Fifteen years of APC/cyclosome: a short and impressive biography Kobi J. Simpson-Lavy, Yifat S. Oren, Oren Feine, Julia Sajman, Tammy Listovsky and Michael Brandeis	78–82
Acetylation of cyclin A: a new cell cycle regulatory mechanism Francesca Mateo, Miriam Vidal-Laliena, Maria Jesus Pujol and Oriol Bachs	83–86
Role of ubiquitination in the DNA damage response: proteomic analysis to identify new DNA-damage-induced ubiquitinated proteins Jogitha Selvarajah and Abdeladim Moumen	87–91
SUMO in the mammalian response to DNA damage Joanna R. Morris	92–97
Lessons from interconnected ubiquitylation and acetylation of p53: think metastable networks Monsef Benkirane, Claude Sardet and Olivier Coux	98–103
Control of PCNA deubiquitylation in yeast Alfonso Gallego-Sánchez, Francisco Conde, Pedro San Segundo and Avelino Bueno	104–109
Ubiquitin-dependent regulation of translesion polymerases Abel C.S. Chun and Dong-Yan Jin	110–115
Ubiquitin and SUMO signalling in DNA repair Timothy M. Thomson and Marta Guerra-Rebollo	116–131
Strategies for the identification of ubiquitin ligase inhibitors Seth J. Goldenberg, Jeffrey G. Marblestone, Michael R. Mattern and Benjamin Nicholson	132–136
The therapeutic potential of deubiquitinating enzyme inhibitors Frédéric Colland	137–143
Parkin-mediated ubiquitin signalling in aggresome formation and autophagy Lih-Shen Chin, James A. Olzmann and Lian Li	144–149
Emerging role of Alzheimer's disease-associated ubiquilin-1 in protein aggregation Annakaisa Haapasalo, Jayashree Viswanathan, Lars Bertram, Hilkka Soininen, Rudolph E. Tanzi and Mikko Hiltunen	150–155
Control of NF-κB activation by the COP9 signalosome Katrin Schweitzer and Michael Naumann	156–161

Molecular Mechanisms in Exocytosis and Endocytosis

University of Edinburgh, Edinburgh, U.K., 5–7 April 2009

Edited by Rolly Wiegand (Edinburgh, U.K.).

Regulation of SNAP-25 trafficking and function by palmitoylation Jennifer Greaves, Gerald R. Prescott, Oforiwa A. Gorleku and Luke H. Chamberlain	163–166
---	----------------

Synthesis of fusogenic lipids through activation of phospholipase D₁ by GTPases and the kinase RSK2 is required for calcium-regulated exocytosis in neuroendocrine cells

Nicolas Vitale

167–171

Presynaptic targets for acute ethanol sensitivity

Jeff W. Barclay, Margaret E. Graham, Mark R. Edwards, James R. Johnson, Alan Morgan and Robert D. Burgoyne

172–176

Role of neuronal Ca²⁺-sensor proteins in Golgi–cell-surface membrane traffic

Marina Mikhaylova, Pasham Parameshwar Reddy and Michael R. Kreutz

177–180

Intersectin 1: a versatile actor in the synaptic vesicle cycle

Arndt Pechstein, Oleg Shupliakov and Volker Haucke

181–186

The Sla2p/HIP1/HIP1R family: similar structure, similar function in endocytosis?

Irit Gottfried, Marcelo Ehrlich and Uri Ashery

187–191

Molecular mechanism of secretory vesicle docking

Heidi de Wit

192–198

Versatile roles for myosin Va in dense core vesicle biogenesis and function

Tanja Kögel, Claudia Margarethe Bittins, Rüdiger Rudolf and Hans-Hermann Gerdes

199–204

Cell-wide analysis of secretory granule dynamics in three dimensions in living pancreatic β-cells: evidence against a role for AMPK-dependent phosphorylation of KLC1 at Ser⁵¹⁷/Ser⁵²⁰ in glucose-stimulated insulin granule movement

Angela McDonald, Sarah Fogarty, Isabelle Leclerc, Elaine V. Hill, D. Grahame Hardie and Guy A. Rutter

205–208

Autoinhibition of SNARE complex assembly by a conformational switch represents a conserved feature of syntaxins

Chris MacDonald, Mary Munson and Nia J. Bryant

209–212

Role of C2 domain proteins during synaptic vesicle exocytosis

Sascha Martens

213–216

Gene Expression in Development and Disease

University of Glasgow, Glasgow, U.K., 16–17 April 2009

Edited by Sheila Graham (Glasgow, U.K.).

Regulation of cyclin D1 gene expression

Ini-Isabée Witzel, Li Fang Koh and Neil D. Perkins

217–222

The role of p63 in epidermal morphogenesis and neoplasia

Simon S. McDade and Dennis J. McCance

223–228

microRNA in erythrocytes

Andrew J. Hamilton

229–231

Structure and function of mRNA export adaptors

Matthew J. Walsh, Guillaume M. Hautbergue and Stuart A. Wilson

232–236

Coupling genetics and post-genomic approaches to decipher the cellular splicing code at a systems-wide level

Yilei Liu and David J. Elliott

237–241

On track with P-bodies
Meeta Kulkarni, Sevim Ozgur and Georg Stoecklin



242–251

Nuclear Envelope Disease and Chromatin Organization 2009

University of Durham, Durham, U.K., 22–23 April 2009

Edited by Chris Hutchison (Durham, U.K.).

The nuclear envelope from basic biology to therapy

Howard J. Worman and Roland Foisner

253–256

Genotype–phenotype correlations in laminopathies: how does fate translate?

Juergen Scharner, Viola F. Gnocchi, Juliet A. Ellis and Peter S. Zammit

257–262

Exploring the relationship between interphase gene positioning, transcriptional regulation and the nuclear matrix

Lauren S. Elcock and Joanna M. Bridger

263–267

Nuclear envelope influences on genome organization

Poonam Malik, Nikolaj Zuleger and Eric C. Schirmer

268–272

Nucleocytoplasmic transport in yeast: a few roles for many actors

Jindriska Fiserova and Martin W. Goldberg

273–277

Nesprin isoforms: are they inside or outside the nucleus?

Glenn E. Morris and K. Natalie Randles

278–280

Lamin A-linked progerias: is farnesylation the be all and end all?

Dawn T. Smallwood and Sue Shackleton

281–286

Progeria, the nucleolus and farnesyltransferase inhibitors

Ishita S. Mehta, Joanna M. Bridger and Ian R. Kill

287–291

HIV protease inhibitors inhibit FACE1/ZMPSTE24: a mechanism for acquired lipodystrophy in patients on highly active antiretroviral therapy?

Chris N. Goulbourne and David J. Vaux

292–296

Lamins as cancer biomarkers

Clare R. Foster, Stefan A. Przyborski, Robert G. Wilson and Christopher J. Hutchison

297–300

Lamins: ‘structure goes cycling’

Mirta Boban, Juliane Braun and Roland Foisner

301–306

The plant nuclear envelope in focus

Katja Graumann and David E. Evans

307–311