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Early Career Research Award Lecture



The ESCRT machinery: a cellular apparatus for sorting and scission

Jeremy Carlton

1397–1412

Biochemical Society Focused Meetings

Lysosomes in Health and Disease

Charles Darwin House, London, U.K., 13–14 May 2010

Edited by Frances Platt (Oxford, U.K.) and Paul Pryor (York, U.K.).

Endosome–lysosome fusion

J. Paul Luzio, Sally R. Gray and Nicholas A. Bright

1413–1416

Manipulation of the host by pathogens to survive the lysosome

Paul R. Pryor and Sally A. Raines

1417–1419

Lysosomal membrane proteins: life between acid and neutral conditions

Paul Saftig, Bernd Schröder and Judith Blanz

1420–1423

NAADP as an intracellular messenger regulating lysosomal calcium-release channels

Antony Galione, Anthony J. Morgan, Abdelilah Arredouani, Lianne C. Davis, Katja Rietdorf, Margarida Ruas and John Parrington

1424–1431

Mucopolipidosis type IV and the mucopolipins

Gideon Bach, David A. Zeevi, Ayala Frumkin and Aviram Kogot-Levin

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Lysosomal compromise and brain dysfunction: examining the role of neuroaxonal dystrophy

Steven U. Walkley, Jakub Sikora, Matthew Micsenyi, Cristin Davidson and Kostantin Dobrenis

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Storage problems in lysosomal diseases

Jean Michel Heard, Julie Bruyère, Elise Roy, Stéphanie Bigou, Jérôme Ausseil and Sandrine Vitry

1442–1447

The neuronal ceroid lipofuscinoses: the same, but different?

Jonathan D. Cooper

1448–1452

Molecular mechanisms of pathogenesis in a glycosphingolipid and a glycoprotein storage disease
Alessandra d’Azzo and Erik Bonten **1453–1457**

Endolysosomal calcium regulation and disease
Emyr Lloyd-Evans, Helen Waller-Evans, Ksenia Peterneva and Frances M. Platt **1458–1464**

Treatments for lysosomal storage disorders
Robin Lachmann **1465–1468**

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Daniel Metcalf and Adrian M. Isaacs **1469–1473**

Presenilins: how much more than γ -secretase?!
Katrijn Coen and Wim Annaert **1474–1478**

HSP70 and lysosomal storage disorders: novel therapeutic opportunities
Nikolaj H.T. Petersen and Thomas Kirkegaard **1479–1483**

Current therapies for the soluble lysosomal forms of neuronal ceroid lipofuscinosis
Andrew M.S. Wong, Ahad A. Rahim, Simon N. Waddington and Jonathan D. Cooper **1484–1488**

In utero gene transfer to the mouse nervous system
Ahad A. Rahim, Andrew M.S. Wong, Suzanne M.K. Buckley, Jerry K.Y. Chan, Anna L. David, Jonathan D. Cooper, Charles Coutelle, Donald M. Peebles and Simon N. Waddington **1489–1493**

Post-Transcriptional Control: mRNA Translation, Localization and Turnover

University of Edinburgh, U.K., 8–10 June 2010

Edited by Matthew Brook (Edinburgh, U.K.), Mark Coldwell (Southampton, U.K.), Simon Morley (Sussex, U.K.) and Nicola Gray (Edinburgh, U.K.).

Cytoplasmic mRNA: move it, use it or lose it!
Mark J. Coldwell, Nicola K. Gray and Matthew Brook **1495–1499**

Nonsense-mediated mRNA decay and development: shoot the messenger to survive?
Marta Vicente-Crespo and Isabel M. Palacios **1500–1505**

Regulated and quality-control mRNA turnover pathways in eukaryotes
Boris Reznik and Jens Lykke-Andersen **1506–1510**

Manipulation of the host translation initiation complex eIF4F by DNA viruses
Derek Walsh **1511–1516**

mRNA-specific regulation of translation by poly(A)-binding proteins
Hannah M. Burgess and Nicola K. Gray **1517–1522**

Translation termination in human mitochondrial ribosomes
Ricarda Richter, Aleksandra Pajak, Sven Dennerlein, Agata Rozanska, Robert N. Lightowlers and Zofia M.A. Chrzanowska-Lightowlers **1523–1526**

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- RNA-binding E3 ubiquitin ligases: novel players in nucleic acid regulation
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- Post-transcriptional gene regulation in chondrocytes
Simon R. Tew and Peter D. Clegg 1627–1631
- Molecular mechanisms of phosphorylation-regulated TTP (tristetraprolin) action and screening for further TTP-interacting proteins
Christopher Tiedje, Alexey Kotlyarov and Matthias Gaestel 1632–1637

Independent Meeting

Chromosome Segregation and Aneuploidy

Royal College of Surgeons, Edinburgh, U.K., 19–23 June 2010

Edited by Bill Earnshaw (Wellcome Trust Centre for Cell Biology, Edinburgh, U.K.), Kevin Hardwick (Wellcome Trust Centre for Cell Biology, Edinburgh, U.K.) and Margarete Heck (Queen's Medical Research Institute, Edinburgh, U.K.).

- Getting through anaphase: splitting the sisters and beyond
Raquel A. Oliveira and Kim Nasmyth 1639–1644
- Adapt or die: how eukaryotic cells respond to prolonged activation of the spindle assembly checkpoint
Valentina Rossio, Elena Galati and Simonetta Piatti 1645–1649
- Aneuploidy as an early mechanistic event in metal carcinogenesis
Sandra S. Wise and John Pierce Wise, Sr 1650–1654
- Use of DT40 conditional-knockout cell lines to study chromosomal passenger protein function
Xavier Fant, Kumiko Samejima, Ana Carvalho, Hiromi Ogawa, Zhenjie Xu, Zuojun Yue, William C. Earnshaw and Sandrine Ruchaud 1655–1659
- The 'anaphase problem': how to disable the mitotic checkpoint when sisters split
María Dolores Vázquez-Novelle, Lesia Mirchenko, Frank Uhlmann and Mark Petronczki 1660–1666
- Driving chromosome segregation: lessons from the human and *Drosophila* centromere-kinetochore machinery
Bernardo Orr, Olga Afonso, Tália Feijão and Claudio E. Sunkel 1667–1675
- Synapsis and recombination in inversion heterozygotes
Anna A. Torgasheva and Pavel M. Borodin 1676–1680
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