

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

Heatley Medal Lecture



Decoding genomes

Shankar Balasubramanian

1-5

Young Life Scientists' Symposia

The Dynamic Cell

Robinson College, Cambridge University, Cambridge, U.K., 4-7 September 2014.

Edited by Stephen Royle (University of Warwick, U.K.), Jeremy Carlton (King's College London, U.K.), Ulrike Gruneberg (University of Oxford, U.K.) and James Wakefield (University of Exeter, U.K.).

Spatial gradients controlling spindle assembly Lesley N. Weaver and Claire E. Walczak	7-12
Centrosomes and mitotic spindle poles: a recent liaison? Pavithra L. Chavali, Isabel Peset and Fanni Gergely	13-18
Sharpening the anaphase switch John C. Meadows and Jonathan B.A. Millar	19-22
Functionality of the chromosomal passenger complex in cancer Sanne Hindriksen, Amanda Meppelink and Susanne M.A. Lens	23-32
Retromer and sorting nexins in endosomal sorting Matthew Gallon and Peter J. Cullen	33-47
Regulation of processive motion and microtubule localization of cytoplasmic dynein Rupam Jha and Thomas Surrey	48-57
Myosin tails and single α -helical domains Matthew Batchelor, Marcin Wolny, Lorna Dougan, Emanuele Paci, Peter J. Knight and Michelle Peckham	58-63
The myosin mesa and a possible unifying hypothesis for the molecular basis of human hypertrophic cardiomyopathy James A. Spudich	64-72
Plant cytokinesis: a tale of membrane traffic and fusion Gerd Jürgens, Misoon Park, Sandra Richter, Sonja Touihri, Cornelia Krause, Farid El Kasmí and Ulrike Mayer	73-78

Kinesins in cell migration Alice Bachmann and Anne Straube	79–83
Pushing with actin: from cells to pathogens J. Victor Small	84–91
Ypt1 and COPII vesicles act in autophagosome biogenesis and the early secretory pathway Saralin Davis and Susan Ferro-Novick	92–96
SEC16 in COPII coat dynamics at ER exit sites Joep Sprangers and Catherine Rabouille	97–103
Procollagen export from the endoplasmic reticulum Vivek Malhotra, Patrik Erlmann and Cristina Nogueira	104–107
A small GTPase involved in mitochondrial morphology and function Anne Spang	108–110
Selected oral communications	
Function and interactions of the Ysc84/SH3yl1 family of actin- and lipid-binding proteins Agnieszka N. Urbanek, Rebekah Chan and Kathryn R. Ayscough	111–116
The roles of the oncoprotein GOLPH3 in contractile ring assembly and membrane trafficking during cytokinesis Stefano Sechi, Anna Frappaolo, Giorgio Belloni and Maria Grazia Giansanti	117–121
Fibronectin remodelling: cell-mediated regulation of the microenvironment Katarzyna I. Wolanska and Mark R. Morgan	122–128
Drink or drive: competition between macropinocytosis and cell migration Douwe M. Veltman	129–132