New Developments in Protein Structure Modelling for Biological and Clinical Research

Held at Charles Darwin House, London, U.K., 8 December 2015

Computational analysis of Ebolavirus data: prospects, promises and challenges
Martin Michaelis, Jeremy S. Rossman and Martin Wass 973–978

Irish Area Section (Protein Interactions in Biology)

Held at National University of Ireland Galway, Ireland, 7–8 December 2015

Targeting cancer using KAT inhibitors to mimic lethal knockouts
James A.L. Brown, Emer Bourke, Leif A. Eriksson and Michael J. Kerin 979–986

Interactions of aminoglycoside antibiotics with rRNA
Joanna Trylska and Marta Kulik 987–993

Studying protein-protein interactions: progress, pitfalls and solutions
Sheri Hayes, Beatrice Malacrida, Maeve Kiely and Patrick A. Kiely 994–1004

A mysterious family of calcium-binding proteins from parasitic worms
Charlotte M. Thomas and David J. Timson 1005–1010

Membrane Proteins from Amino Acids to Zinc

Held at University of Leeds, U.K., 16–17 December 2015

Membrane proteins: is the future disc shaped?
Sarah C. Lee and Naomi L. Pollock 1011–1018

How do mechanosensitive channels sense membrane tension?
Tim Rasmussen 1019–1025

How myosin organization of the actin cytoskeleton contributes to the cancer phenotype
Michelle Peckham 1026–1034
RNA UK 2016

Held at Low Wood Hotel, Lake District, U.K., 29 January 2016

Probing the mechanisms underlying human diseases in making ribosomes
Katherine I. Farley and Susan J. Baserga 1035–1044

The role of Trim25 in development, disease and RNA metabolism
Gregory Heikel, Nila Roy Choudhury and Gracjan Michlewski 1045–1050

Cleavage factor Im (CFIm) as a regulator of alternative polyadenylation
Jessica G. Hardy and Chris J. Norbury 1051–1057

Functional interactions between polypyrimidine tract binding protein and PRI peptide ligand containing proteins
Miguel B. Coelho, David B. Ascher, Clare Gooding, Emma Lang, Hannah Maude, David Turner, Miriam Llorian, Douglas E.V. Pires, Jan Attig and Christopher W.J. Smith 1058–1065

STARs in the CNS
Ingrid Ehrmann, Philippe Fort and David J. Elliott 1066–1072

Non-coding RNAs and disease: the classical ncRNAs make a comeback
Rogerio Alves De Almeida, Marcin G. Fraczek, Steven Parker, Daniela Delneri and Raymond T. O’keefe 1073–1078

Functional impact of splice isoform diversity in individual cells
Karen Yap and Eugene V. Makeyev 1079–1085

The importance of ribosome production, and the 5S RNP–MDM2 pathway, in health and disease
Andria Pelava, Claudia Schneider and Nicholas J. Watkins 1086–1090

Mitochondria in Health and Disease (MitOX)

Held at The John Radcliffe Hospital, Oxford, 2 December 2015

Modulating mitochondrial quality in disease transmission: towards enabling mitochondrial DNA disease carriers to have healthy children
Alan Diot, Eszter Dombi, Tiffany Lodge, Chunyan Liao, Karl Morten, Janet Carver, Dagan Wells, Tim Child, Iain G. Johnston, Suzannah Williams and Joanna Poulton 1091–1100

The quantum mitochondrion and optimal health
Alistair V.W. Nunn, Geoffrey W. Guy and Jimmy D. Bell 1101–1110

Isocitrate dehydrogenase (IDH), succinate dehydrogenase (SDH), fumarate hydratase (FH): three players for one phenotype in cancer?
Giulio Laurenti and Daniel A. Tennant 1111–1116
BMP Signalling in Cancer


Emerging roles of the bone morphogenetic protein pathway in cancer: potential therapeutic target for kinase inhibition
Pawina Jiramongkolchai, Philip Owens and Charles C. Hong 1117–1134

Regulation of the ALK1 ligands, BMP9 and BMP10
Wei Li, Richard M. Salmon, He Jiang and Nicholas W. Morrell 1135–1141

Targeting tumour vasculature by inhibiting activin receptor-like kinase (ALK)1 function
Amaya García De Vinuesa, Matteo Bocci, Kristian Pietras and Peter Ten Dijke 1142–1149

Synthetic Biology UK 2015

Held at Kingsway Hall Hotel, London, U.K., 1–3 September 2015

The complexity of silk under the spotlight of synthetic biology
Fritz Vollrath 1151–1157

Synthetic biology meets bioprinting: enabling technologies for humans on Mars (and Earth)
Lynn J. Rothschild 1158–1164

Selection platforms for directed evolution in synthetic biology
Pedro A.G. Tizei, Eszter Csibra, Leticia Torres and Vitor B. Pinheiro 1165–1175

The Centenary Award presented by Professor Patrick Cramer

Held at Shrigley Hall Hotel, Macclesfield, U.K., 1 August 2016

Structure determination of transient transcription complexes
Patrick Cramer 1177–1182

Corrections

Correction: The new world of inorganic polyphosphates
Cristina Azevedo and Adolfo Saiardi 1183

Correction: Peroxisome protein import: a complex journey
Alison Baker, Thomas Lanyon-Hogg and Stuart L. Warriner 1183