

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

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
Rogério 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

Held at St. Catharine's College, Cambridge, U.K., 15–17 March 2016

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