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

### **GlaxoSmithKline Award Lecture**



Molecular mousetraps and the serpinopathies

D.A. Lomas, D. Belorgey, M. Mallya, E. Miranda, K.J. Kinghorn, L.K. Sharp, R.L. Phillips, R. Page, A.S. Robertson and D.C. Crowther

321-330

## **Biochemical Society Focused Meetings**

#### Proteases and their Inhibitors in Neurodegenerative Disease

Royal Institute of British Architects, London, U.K., 17 November 2004

Edited by H. Nagase and J. Saklatvala (Imperial College London, U.K.)

A genomic view of the complexity of mammalian proteolytic systems

X.S. Puente, L.M. Sánchez, A. Gutiérrez-Fernández, G. Velasco and C. López-Otín

331-334

339-342

343-345

346-349

Roles of proteolysis and lipid rafts in the processing of the amyloid precursor protein and prion protein

N.M. Hooper 335–338

#### Kinases in Diabetes

Hulme Hall, University of Manchester, U.K., 11 November 2004

#### Edited by D. Smith, E. Kilgour and M. Coghlan (AstraZeneca UK)

Sponsored by AstraZeneca UK

M.P. Coghlan and D.M. Smith

A.J. Bridges

Introduction to the Kinases in Diabetes Biochemical Society focused meeting: are protein kinases good targets for antidiabetic drugs?

Therapeutic challenges of kinase and phosphatase inhibition and use in

anti-diabetic strategy

Role of protein kinase B in insulin-regulated glucose uptake

Atypical protein kinase C in insulin action and insulin resistance

R.V. Farese, M.P. Sajan and M.L. Standaert 350–353

Insulin signal transduction in human skeletal muscle: identifying the defects in Type II diabetes

G.I. Welsh, I. Hers, D.C. Berwick, G. Dell, M. Wherlock, R. Birkin, S. Leney and J.M. Tavaré

M. Björnholm and J.R. Zierath 354–357

Modulation of insulin signalling by insulin sensitizers

G. Jiang and B.B. Zhang 358–361

Volume 33 Part 2 © 2005 Biochemical Society

AMP-activated protein kinase and the metabolic syndrome <b>L.G.D. Fryer and D. Carling</b>	362-366
PDH kinase inhibitors: a novel therapy for Type II diabetes? <b>R.M. Mayers, B. Leighton and E. Kilgour</b>	367-370
Small molecule glucokinase activators as novel anti-diabetic agents <b>B. Leighton, A. Atkinson and M.P. Coghlan</b>	371-374
Plant Signalling from Genes to Biochemistry Kelvin Gallery, Glasgow, U.K., 11–12 November 2004	
Edited by J. Milner and H. Nimmo (Glasgow, U.K.) Sponsored by Kendro	
Before and beyond ABA: upstream sensing and internal signals that determine ABA accumulation and response under abiotic stress  P.E. Verslues and JK. Zhu	375-379
Storage reserve mobilization in germinating oilseeds: <i>Arabidopsis</i> as a model system  S. Penfield, S. Graham and I.A. Graham	380-383
The molecular biology of appressorium turgor generation by the rice blast fungus Magnaporthe grisea  ZY. Wang, J.M. Jenkinson, L.J. Holcombe, D.M. Soanes, C. Veneault-Fourrey, G.K. Bhambra and N.J. Talbot	384-388
Serpentine plant MLO proteins as entry portals for powdery mildew fungi <b>R. Panstruga</b>	389-392
Post-translational regulation in plants employing a diverse set of polypeptide tags <b>B. Downes and R.D. Vierstra</b>	393-399

# **Irish Area Section Meeting**

### **Inflammation and Haemostasis**

Coleraine, Northern Ireland, 12-13 October 2004

Edited by D. Zistrer (Dublin, Ireland), D. Croke (Royal College of Surgeons in Ireland), D. Timson (Belfast, Northern Ireland), G. Walsh (Limerick, Ireland), J. McCarthy (Cork, Ireland), K. Ohlendeck (Maynooth, Ireland), M. Moran (International Biometric Industry Association, U.S.A.), M. Carty (Galway, Ireland), P. Newsholme (Dublin, Ireland), R. Devery (Dublin, Ireland) and W. Gilmore (Ulster, Northern Ireland)

Coagulation inhibitors in inflammation  C.T. Esmon	401-405
Soluble adhesion molecules in inflammatory and vascular diseases  J.C. Giddings	406-408
Using proteomics to identify potential therapeutic targets in platelets <b>P.B. Maguire, M. Foy and D.J. Fitzgerald</b>	409-412

Harnessing wound healing and regeneration for tissue engineering  A.D. Metcalfe and M.W.J. Ferguson	413-417
The role of blood cells and their microparticles in blood coagulation  KE. Eilertsen and B. Østerud	418-422
Polyunsaturated fatty acids and inflammation  P.C. Calder	423-427
Haemostasis in normal pregnancy: a balancing act?  V.A. Holmes and J.M.W. Wallace	428-432