

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

Biochemical Society Focused Meetings

3rd Focused Meeting on PI3K Signalling and Disease

Bath Assembly Rooms, U.K., 6–8 November 2006

Edited by **B. Hemmings** (Friedrich Miescher Institute for Biomedical Research, Switzerland), **B. Vanhaesebroeck** (Ludwig Institute for Cancer Research, U.K.), **S. Ward** (Bath, U.K.) and **M. Welham** (Bath, U.K.)

The PI3K p110 δ controls T-cell development, differentiation and regulation D.T. Patton, F. Garçon and K. Okkenhaug	167–171
Role of PTEN/PI3K pathway in endothelial cells A. Suzuki, K. Hamada, T. Sasaki, T.W. Mak and T. Nakano	172–176
The role of class I phosphoinositide 3-kinase in T-cell function and autoimmunity D.A. Fruman	177–180
Regulation of B-lymphocyte activation by the PH domain adaptor protein Bam32/DAPP1 A.J. Marshall, T. Zhang and M. Al-Alwan	181–182
p110 δ is required for innate immunity to transplantable lymphomas A. Saudemont, K. Okkenhaug and F. Colucci	183–185
PI3K signalling during influenza A virus infections B.G. Hale and R.E. Randall	186–187
Metabolic switching of PI3K-dependent lipid signals C.P. Downes, N.R. Leslie, I.H. Batty and J. van der Kaay	188–192
T-lymphocyte navigation and migration: beyond the PI3K paradigm L. Smith, A. Webb and S.G. Ward	193–198
Regulation of class IA PI3Ks: is there a role for monomeric PI3K subunits? B. Geering, P.R. Cutillas and B. Vanhaesebroeck	199–203
Isoform-selective PI3K inhibitors as novel therapeutics for the treatment of acute myocardial infarction J. Doukas, W. Wrasidlo, G. Noronha, E. Dneprovskaia, J. Hood and R. Soll	204–206
Phosphoinositide 3-kinase signalling events controlling axonal morphogenesis K.E. Cosker and B.J. Eickholt	207–210
Role of class II phosphoinositide 3-kinase in cell signalling M. Falasca and T. Maffucci	211–214

Non-invasive visualization of the lipid product of class I PI3K in transgenic mouse models T. Sasaki, J. Sasaki, K. Watanabe and A. Suzuki	215–218
Extracellular and subcellular regulation of the PI3K/Akt cassette: new mechanisms for controlling insulin and growth factor signalling C. Wilson, N. Vereshchagina, B. Reynolds, D. Meredith, C.A.R. Boyd and D.C.I. Goberdhan	219–221
A cascade involving p85, Cdc42 and septin 2 regulates cytokinesis V. Silió, M. Marqués, I. Cortés, S. Zuluaga and A.C. Carrera	222–224
Phosphoinositide 3-kinases and regulation of embryonic stem cell fate M.J. Welham, M.P. Storm, E. Kingham and H.K. Bone	225–228
Phosphoinositide 3-kinase-dependent regulation of phospholipase C γ T. Maffucci and M. Falasca	229–230
Physiological roles of PKB/Akt isoforms in development and disease B. Dummler and B.A. Hemmings	231–235
Nutrient sensing in the mTOR/S6K1 signalling pathway P. Gulati and G. Thomas	236–238
Regulation of class III (Vps34) PI3Ks Y. Yan and J.M. Backer	239–241
Regulation of class IA PI3Ks H. Wu, Y. Yan and J.M. Backer	242–244
Chemically targeting the PI3K family Z.A. Knight and K.M. Shokat	245–249
Phosphotyrosine/phosphoserine binary switches: a new paradigm for the regulation of PI3K signalling and growth factor pleiotropy? M.A. Guthridge and A.F. Lopez	250–252
Exploring the potential of PI3K inhibitors for inflammation and cancer T. Crabbe	253–256
Inhibiting PTEN E. Rosivatz	257–259

Resolution of Inflammatory Responses: Signalling Networks and Novel Therapeutic Strategies

Wolfson Conference Centre, Hammersmith Hospital, London, U.K., 6 October 2006

Edited by I. Adcock and P. Evans (National Heart and Lung Institute, Imperial College London, U.K.)

Resolution of Inflammatory Responses: a brief introduction I. Adcock and P.C. Evans	261–262
Single-cell time-lapse imaging of the dynamic control of NF- κ B signalling K. Sillitoe, C. Horton, D.G. Spiller and M.R.H. White	263–266

Control of the NF- κ B inhibitor I κ B α in pathogen infection M. Naumann	267-269
IKK α in the regulation of inflammation and adaptive immunity T. Lawrence and M. Bebien	270-272
The role of secretory leucoprotease inhibitor in the resolution of inflammatory responses S. Weldon, N. McGarry, C.C. Taggart and N.G. McElvaney	273-276
The role of SHIP1 in T-lymphocyte life and death G. Gloire, C. Erneux and J. Piette	277-280
Impact of post-translational modifications of proteins on the inflammatory process K. Ito	281-283
Oxidative stress and macrophage function: a failure to resolve the inflammatory response P. Kirkham	284-287
Modulation of granulocyte apoptosis can influence the resolution of inflammation A.G. Rossi, J.M. Hallett, D.A. Sawatzky, M.M. Teixeira and C. Haslett	288-291

Health Implications of Dietary Amines

Medico-Chirurgical Hall, University of Aberdeen, U.K., 19-21 October 2006

Edited by H.M. Wallace (Aberdeen, U.K.)

Held jointly with COST Action 922

Health Implications of Dietary Amines: an overview of COST Action 922 (2001-2006) H.M. Wallace	293-294
Polyamines and neoplastic growth A.E. Pegg and D.J. Feith	295-299
Inflammation and polyamine catabolism: the good, the bad and the ugly N. Babbar, T. Murray-Stewart and R.A. Casero, Jr	300-304
Metabolic enzymes regulated by the <i>Myc</i> oncogene are possible targets for chemotherapy or chemoprevention S. Rimpi and J.A. Nilsson	305-310
Antizyme inhibitor: a defective ornithine decarboxylase or a physiological regulator of polyamine biosynthesis and cellular proliferation A. Keren-Paz, Z. Bercovich and C. Kahana	311-313
Ornithine decarboxylase and S-adenosylmethionine decarboxylase in trypanosomatids L. Persson	314-317
Unusual aspects of the polyamine transport system affect the design of strategies for use of polyamine analogues in chemotherapy J.L.A. Mitchell, T.K. Thane, J.M. Sequeira and R. Thokala	318-321

Impact of dietary amino acids and polyamines on intestinal carcinogenesis and chemoprevention in mouse models E.W. Gerner	322–325
Mechanisms of polyamine catabolism-induced acute pancreatitis M.T. Hyvönen, M. Merentie, A. Uimari, T.A. Keinänen, J. Jänne and L. Alhonen	326–330
Polyamines and DNA methylation in childhood leukaemia R.G. Schipper, L.P. van den Heuvel, A.A.J. Verhofstad and R.A. De Abreu	331–335
Polyamine metabolism and tumorigenesis in the <i>Apc^{Min/+}</i> mouse F.G. Berger, D.L. Kramer and C.W. Porter	336–339
Reducing the availability of polyamines for a developing tumour I.F. Pryme	340–342
MDL 72527 and spermine oxidation products induce a lysosomotropic effect and mitochondrial alterations in tumour cells E. Agostinelli, G. Tempera, L. Dalla Vedova, M. Condello and G. Arancia	343–348
Histamine in food: is there anything to worry about? W.A. Fogel, A. Lewinski and J. Jochem	349–352
Revival of 2-(difluoromethyl)ornithine (DFMO), an inhibitor of polyamine biosynthesis, as a cancer chemopreventive agent F. Raul	353–355
Polyamine-based analogues as biochemical probes and potential therapeutics T. Boncher, X. Bi, S. Varghese, R.A. Casero, Jr and P.M. Woster	356–363
Polyamine metabolism and cancer prevention F.R. Saunders and H.M. Wallace	364–368
Novel approach to design an isosteric charge-deficient analogue of spermine and its biochemically important derivatives A.R. Khomutov, N.A. Grigorenko and S.G. Skuridin	369–373
Vibrational spectroscopy studies on linear polyamines M.P.M. Marques and L.A.E. Batista de Carvalho	374–380
The usefulness of post-genomics tools for characterization of the amine cross-talk in mammalian cells F. Sánchez-Jiménez, R. Montañez, F. Correa-Fiz, P. Chaves, C. Rodríguez-Caso, J.L. Urdiales, J.F. Aldana and M.A. Medina	381–385
Nuclear and membrane receptor-mediated signalling pathways modulate polyamine biosynthesis and interconversion B. Grzelakowska-Sztabert, M. Dudkowska and M. Manteuffel-Cymborowska	386–390
Potassium channel blockers quinidine and caesium halt cell proliferation in C6 glioma cells via a polyamine-dependent mechanism T.M. Weiger, S. Colombatto, V. Kainz, W. Heidegger, M.A. Grillo and A. Hermann	391–395
Role of the FAD-dependent polyamine oxidase in the selective formation of <i>N</i> ¹ , <i>N</i> ⁸ -bis(γ -glutamyl)spermidine protein cross-links A. Lentini, P. Mattioli, B. Provenzano, A. Abbruzzese, M. Caraglia and S. Beninati	396–400

Inhibition of agmatine transport in liver mitochondria by new charge-deficient agmatine analogues M.A. Grillo, V. Battaglia, S. Colombatto, C.A. Rossi, A.R. Simonian, M. Salvi, A.R. Khomutov and A. Toninello	401-404
Inhibition of cell proliferation and induction of apoptosis by N^1,N^{11} -diethylnorspermine-induced polyamine pool reduction S.M. Oredsson, K. Alm, E. Dahlberg, C.M. Holst, V.M. Johansson, L. Myhre and E. Söderstjerna	405-409

Independent Meeting

Neurological Disorders: Molecules, Mechanisms and Therapeutics

Devere Hall, University College Cork, Ireland, 21-22 September 2006

Organized by J. McCarthy, K. McDermott, Y. Nolan and C. O'Neill (University College Cork, Ireland)

Emerging use of non-viral RNA interference in the brain J.F. Cryan, D.R. Thakker and D. Hoyer	411-415
The APP family of proteins: similarities and differences D.M. Walsh, A.M. Minogue, C. Sala Frigerio, J.V. Fadeeva, W. Wasco and D.J. Selkoe	416-420
Apoptosis signalling pathways in seizure-induced neuronal death and epilepsy D.C. Henshall	421-423
Neurotrophins and their receptors: roles in plasticity, neurodegeneration and neuroprotection A. Hennigan, R.M. O'Callaghan and Á.M. Kelly	424-427
Movement without dopamine: striatal dopamine is required to maintain but not to perform learned actions E. Dowd and S.B. Dunnett	428-432
The neuronal pathology of schizophrenia: molecules and mechanisms G.P. Reynolds and M.K. Harte	433-436