

Review**Rho GTPases and leucocyte-induced endothelial remodelling**

*Published as BJ Immediate Publication 21 October 2004,
DOI 10.1042/BJ20041584*

J. Millán and A.J. Ridley

329–337

Research Papers

Argpyrimidine, a methylglyoxal-derived advanced glycation end-product in familial amyloidotic polyneuropathy

*Published as BJ Immediate Publication 28 July 2004,
DOI 10.1042/BJ20040833*

R. Gomes, M. Sousa Silva, A. Quintas, C. Cordeiro, A. Freire, P. Pereira, A. Martins, E. Monteiro, E. Barroso and A. Ponces Freire

339–345

The septin Sept5/CDCrel-1 competes with α -SNAP for binding to the SNARE complex

*Published as BJ Immediate Publication 8 September 2004,
DOI 10.1042/BJ20041090*

C.L. Beites, K.A. Campbell and W.S. Trimble

347–353

Functional domain organization of the potato α -glucan, water dikinase (GWD): evidence for separate site catalysis as revealed by limited proteolysis and deletion mutants

*Published as BJ Immediate Publication 13 September 2004,
DOI 10.1042/BJ20041119*

R. Mikkelsen and A. Blennow

355–361

Hepatitis A virus proteinase 3C binding to viral RNA: correlation with substrate binding and enzyme dimerization

*Published as BJ Immediate Publication 13 September 2004,
DOI 10.1042/BJ20041153*

H. Peters, Y.Y. Kusov, S. Meyer, A.J. Benie, E. Bäuml, M. Wolff, C. Rademacher, T. Peters and V. Gauss-Müller

363–370

GCN2 phosphorylation of eIF2 α activates NF- κ B in response to UV irradiation

*Published as BJ Immediate Publication 8 September 2004,
DOI 10.1042/BJ20041164*

H.-Y. Jiang and R.C. Wek

371–380

Proteoglycans and catabolic products of proteoglycans present in ligament

*Published as BJ Immediate Publication 26 August 2004,
DOI 10.1042/BJ20040844*

M.Z. Ilic, P. Carter, A. Tyndall, J. Dudhia and C.J. Handley

381–388

Human recombinant membrane-bound aminopeptidase P: production of a soluble form and characterization using novel, internally quenched fluorescent substrates

*Published as BJ Immediate Publication 13 September 2004,
DOI 10.1042/BJ20040849*

G. Molinaro, A.K. Carmona, M.A. Juliano, L. Juliano, E. Malitskaya, M.-A. Yessine, M. Chagnon, Y. Lepage, W.H. Simmons, G. Boileau and A. Adam

389–397

Identification and characterization of pleckstrin-homology-domain-dependent and isoenzyme-specific Akt inhibitors

*Published as BJ Immediate Publication 29 September 2004,
DOI 10.1042/BJ20041140*

S.F. Barnett, D. Defeo-Jones, S. Fu, P.J. Hancock, K.M. Haskell, R.E. Jones, J.A. Kahana, A.M. Kral, K. Leander, L.L. Lee, J. Malinowski, E.M. McAvoy, D.D. Nahas, R.G. Robinson and H. E. Huber

399–408



Reaction of artemisinin with haemoglobin: implications for antimalarial activity

*Published as BJ Immediate Publication 10 September 2004,
DOI 10.1042/BJ20041170*

R. Kannan, K. Kumar, D. Sahal, S. Kukreti and V.S. Chauhan

409–418

Arginine-482 is not essential for transport of antibiotics, primary bile acids and unconjugated sterols by the human breast cancer resistance protein (ABCG2) <i>Published as BJ Immediate Publication 14 September 2004, DOI 10.1042/BJ20040791</i>	T. Janvilisri, S. Shahi, H. Venter, L. Balakrishnan and H.W. van Veen	419–426
The high concentration of Arg ²¹³ → Gly extracellular superoxide dismutase (EC-SOD) in plasma is caused by a reduction of both heparin and collagen affinities <i>Published as BJ Immediate Publication 14 September 2004, DOI 10.1042/BJ20041218</i>	S.V. Petersen, D.Aa. Olsen, J.M. Kenney, T.D. Oury, Z. Valnickova, I.B. Thøgersen, J.D. Crapo and J.J. Enghild	427–432
Characterization of the survival motor neuron (SMN) promoter provides evidence for complex combinatorial regulation in undifferentiated and differentiated P19 cells <i>Published as BJ Immediate Publication 13 September 2004, DOI 10.1042/BJ20041024</i>	R. Rouget, F. Vigneault, C. Codio, C. Rochette, I. Paradis, R. Drouin and L.R. Simard	433–443
Octameric mitochondrial creatine kinase induces and stabilizes contact sites between the inner and outer membrane <i>Published as BJ Immediate Publication 5 August 2004, DOI 10.1042/BJ20040386</i>	O. Speer, N. Bäck, T. Buerklen, D. Brdiczka, A. Koretsky, T. Wallimann and O. Eriksson	445–450
Characterization of heparan sulphate 3-O-sulphotransferase isoform 6 and its role in assisting the entry of herpes simplex virus type 1 <i>Published as BJ Immediate Publication 10 August 2004, DOI 10.1042/BJ20040908</i>	D. Xu, V. Tiwari, G. Xia, C. Clement, D. Shukla and J. Liu	451–459
The disintegrin domain of ADAM9: a ligand for multiple β 1 renal integrins <i>Published as BJ Immediate Publication 10 September 2004, DOI 10.1042/BJ20041133</i>	R.M. Mahimkar, O. Visaya, A.S. Pollock and D.H. Lovett	461–468
Cloning and characterization of murine 1-acyl-sn-glycerol 3-phosphate acyltransferases and their regulation by PPAR α in murine heart <i>Published as BJ Immediate Publication 15 September 2004, DOI 10.1042/BJ20041348</i>	B. Lu, Y.J. Jiang, Y. Zhou, F.Y. Xu, G.M. Hatch and P.C. Choy	469–477
The interaction of carbohydrate-binding modules with insoluble non-crystalline cellulose is enthalpically driven <i>Published as BJ Immediate Publication 18 October 2004, DOI 10.1042/BJ20041473</i>	A.B. Boraston	479–484
5-Aminoimidazole-4-carboxamide riboside (AICAR) enhances GLUT2-dependent jejunal glucose transport: a possible role for AMPK <i>Published as BJ Immediate Publication 15 September 2004, DOI 10.1042/BJ20040694</i>	J. Walker, H.B. Jijon, H. Diaz, P. Salehi, T. Churchill and K.L. Madsen	485–491
Lipid phosphate phosphatase-1 regulates lysophosphatidic acid-induced calcium release, NF- κ B activation and interleukin-8 secretion in human bronchial epithelial cells <i>Published as BJ Immediate Publication 5 October 2004, DOI 10.1042/BJ20041160</i>	Y. Zhao, P.V. Usatyuk, R. Cummings, B. Saatian, D. He, T. Watkins, A. Morris, E.W. Spannhake, D.N. Brindley and V. Natarajan	493–502
The adaptor protein AP-4 as a component of the clathrin coat machinery: a morphological study <i>Published as BJ Immediate Publication 17 September 2004, DOI 10.1042/BJ20041010</i>	N. Barois and O. Bakke	503–510
Secondary structure, conformational stability and glycosylation of a recombinant <i>Candida rugosa</i> lipase studied by Fourier-transform infrared spectroscopy <i>Published as BJ Immediate Publication 14 September 2004, DOI 10.1042/BJ20041296</i>	A. Natalello, D. Ami, S. Brocca, M. Lotti and S.M. Doglia	511–517
Interactions of human replication protein A with single-stranded DNA adducts <i>Published as BJ Immediate Publication 14 September 2004, DOI 10.1042/BJ20041151</i>	Yiyong Liu, Z. Yang, C.D. Utzat, Yu Liu, N.E. Geacintov, A.K. Basu and Y. Zou	519–526

Processive action of cellobiohydrolase Cel7A from <i>Trichoderma reesei</i> is revealed as 'burst' kinetics on fluorescent polymeric model substrates <i>Published as BJ Immediate Publication 14 September 2004, DOI 10.1042/BJ20041144</i>	K. Kipper, P. Väljamäe and G. Johansson	527–535
Tumour necrosis factor α (TNF)–TNF receptor 1-inducible cytoprotective proteins in the mouse liver: relevance of suppressors of cytokine signalling <i>Published as BJ Immediate Publication 22 November 2004, DOI 10.1042/BJ20040279</i>	G. Sass, N.D. Shembade and G. Tiegs	 537–544
Proteasome-mediated effects on amyloid precursor protein processing at the γ -secretase site <i>Published as BJ Immediate Publication 11 October 2004, DOI 10.1042/BJ20041145</i>	F. Flood, S. Murphy, R.F. Cowburn, L. Lannfelt, B. Walker and J.A. Johnston	545–550
Arachidonic acid inhibits the store-operated Ca^{2+} current in rat liver cells <i>Published as BJ Immediate Publication 29 October 2004, DOI 10.1042/BJ20041604</i>	G.Y. Rychkov, T. Litjens, M.L. Roberts and G.J. Barritt	551–556
Transcriptional regulation of the human DNA methyltransferase 3A and 3B genes by Sp3 and Sp1 zinc finger proteins <i>Published as BJ Immediate Publication 14 September 2004, DOI 10.1042/BJ20040684</i>	A. Jinawath, S. Miyake, Y. Yanagisawa, Y. Akiyama and Y. Yuasa	557–564
X-ray crystal structure of ornithine acetyltransferase from the clavulanic acid biosynthesis gene cluster <i>Published as BJ Immediate Publication 7 September 2004, DOI 10.1042/BJ20040814</i>	J.M. Elkins, N.J. Kershaw and C.J. Schofield	565–573
Random mutagenesis of bacterial luciferase: critical role of Glu ¹⁷⁵ in the control of luminescence decay <i>Published as BJ Immediate Publication 7 September 2004, DOI 10.1042/BJ20040863</i>	S. Hosseinkhani, R. Szittner and E.A. Meighen	575–580
A highly acid-stable and thermostable endo- β -glucanase from the thermoacidophilic archaeon <i>Sulfolobus solfataricus</i> <i>Published as BJ Immediate Publication 30 September 2004, DOI 10.1042/BJ20041388</i>	Y. Huang, G. Krauss, S. Cottaz, H. Driguez and G. Lipps	581–588
Real-time imaging of myosin II regulatory light-chain phosphorylation using a new protein biosensor <i>Published as BJ Immediate Publication 14 September 2004, DOI 10.1042/BJ20040778</i>	A. Yamada, K. Hirose, A. Hashimoto and M. Iino	589–594
Apo2L/TRAIL induction and nuclear translocation of inositol hexakisphosphate kinase 2 during IFN- β -induced apoptosis in ovarian carcinoma <i>Published as BJ Immediate Publication 24 September 2004, DOI 10.1042/BJ20040971</i>	B.H. Morrison, Z. Tang, B.S. Jacobs, J.A. Bauer and D.J. Lindner	595–603
Expression, purification, characterization and structure of <i>Pseudomonas aeruginosa</i> arylamine N-acetyltransferase <i>Published as BJ Immediate Publication 24 September 2004, DOI 10.1042/BJ20041330</i>	I.M. Westwood, S.J. Holton, F. Rodrigues-Lima, J.-M. Dupret, S. Bhakta, M.E.M. Noble and E. Sim	 605–612
Heterogeneous nuclear ribonucleoprotein K represses transcription from a cytosine/thymidine-rich element in the osteocalcin promoter <i>Published as BJ Immediate Publication 10 September 2004, DOI 10.1042/BJ20040680</i>	J.P. Stains, F. Lecanda, D.A. Towler and R. Civitelli	613–623