## Biochemical Journal Volume 365, part 1 1 July 2002

http://www.BiochemJ.org

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

Research Communications		
A novel lactonohydrolase responsible for the detoxification of zearalenone: enzyme purification and gene cloning Published as BJ Immediate Publication 26 April 2002, DOI 10.1042/BJ20020450	N. Takahashi-Ando, M. Kimura, H. Kakeya, H. Osada and I. Yamaguchi	1–6
Uromodulin promoter directs high-level expression of biologically active human $\alpha_1$ -antitrypsin into mouse urine Published as BJ Immediate Publication 1 May 2002, DOI 10.1042/BJ20020643	H.M. Zbikowska, N. Soukhareva, R. Behnam, H. Lubon, D. Hammond and S. Soukharev	7–11
Identification and characterization of the gene encoding the human phosphopantetheine adenylyltransferase and dephospho-CoA kinase bifunctional enzyme (CoA synthase)  Published as BJ Immediate Publication 7 May 2002, DOI 10.1042/BJ20020569	S. Aghajanian and D.M. Worrall	13–18
Research Papers		
A kinetic model of the co-operative binding of calcium and ADP to scallop ( <i>Argopecten irradians</i> ) heavy meromyosin  Published on the Internet 24 June 2002, DOI 10.1042/BJ20020099	M. Nyitrai, A.G. Szent-Györgyi and M.A. Geeves	19–30
Activation of protein kinase CK2 is an early step in the ultraviolet B-mediated increase in interstitial collagenase (matrix metalloproteinase-1; MMP-1) and stromelysin-1 (MMP-3) protein levels in human dermal fibroblasts  Published on the Internet 24 June 2002, DOI 10.1042/BJ20020110	P. Brenneisen, M. Wlaschek, E. Schwamborn, LA. Schneider, W. Ma, H. Sies and K. Scharffetter-Kochanek	31–40
Functional studies on human Pex7p: subcellular localization and interaction with proteins containing a peroxisome-targeting signal type 2 and other peroxins  Published as BJ Immediate Publication 3 April 2002, DOI 10.1042/BJ20021432	K. Ghys, M. Fransen, G.P. Mannaerts and P.P. Van Veldhoven	41–50
The Saccharomyces cerevisiae 14-3-3 protein Bmh2 is required for regulation of the phosphorylation status of Fin1, a novel intermediate filament protein Published as BJ Immediate Publication 2 April 2002, DOI 10.1042/BJ20020053	I. Mayordomo and P. Sanz	51–56
New insights into heparin binding to vitronectin: studies with monoclonal antibodies Published on the Internet 24 June 2002, DOI 10.1042/BJ20011297	P.A. Underwood, A. Kirkpatrick and S.M. Mitchell	57–67
Biochemical identification of a neutral sphingomyelinase 1 (NSM1)-like enzyme as the major NSM activity in the DT40 B-cell line: absence of a role in the apoptotic response to endoplasmic reticulum stress  Published on the Internet 24 June 2002, DOI 10.1042/BJ20020120	A.C. Fensome, M. Josephs, M. Katan and F. Rodrigues-Lima	69–77
Integrin-linked kinase phosphorylates the myosin phosphatase target subunit at the inhibitory site in platelet cytoskeleton <i>Published on the Internet 24 June 2002, DOI 10.1042/BJ20011295</i>	E. Kiss, A. Murányi, C. Csortos, P. Gergely, M. Ito, D.J. Hartshorne and F. Erdődi	79–87

Lipid-restricted recognition of mycobacterial lipoglycans by human pulmonary surfactant protein A: a surface-plasmon-resonance study <i>Published on the Internet 24 June 2002, DOI 10.1042/BJ20011659</i>	S. Sidobre, G. Puzo and M. Rivière	89–97
Biochemical and molecular characterization of two cytidine deaminases in the nematode Caenorhabditis elegans Published on the Internet 24 June 2002, DOI 10.1042/BJ20011814	F.J. Thompson, C. Britton, I. Wheatley, K. Maitland, G. Walker, S. Anant, N.O. Davidson and E. Devaney	99–107
The peroxisomal transporter gene <i>ANT1</i> is regulated by a deviant oleate response element (ORE): characterization of the signal for fatty acid induction  Published on the Internet 24 June 2002, DOI 10.1042/BJ20011495	H. Rottensteiner, L. Palmieri, A. Hartig, B. Hamilton, H. Ruis, R. Erdmann and A. Gurvitz	109–117
The chitinase 3-like protein human cartilage glycoprotein 39 (HC-gp39) stimulates proliferation of human connective-tissue cells and activates both extracellular signal-regulated kinase- and protein kinase B-mediated signalling pathways Published on the Internet 24 June 2002, DOI 10.1042/BJ20020075	A.D. Recklies, C. White and H. Ling	119–126
Regulation of phagosomal iron release from murine macrophages by nitric oxide Published on the Internet 24 June 2002, DOI 10.1042/BJ20011875	V. Mulero, Xq. Wei, F.Y. Liew and J.H. Brock	127–132
UVB-mediated activation of p38 mitogen-activated protein kinase enhances resistance of normal human keratinocytes to apoptosis by stabilizing cytoplasmic p53  Published on the Internet 24 June 2002, DOI 10.1042/BJ20020072	N. Chouinard, K. Valerie, M. Rouabhia and J. Huot	133–145
The actin-severing activity of cofilin is exerted by the interplay of three distinct sites on cofilin and essential for cell viability  Published as BJ Immediate Publication 3 April 2002,  DOI 10.1042/BJ20020231	K. Moriyama and I. Yahara	147–155
Leukotriene $D_4$ induces association of active RhoA with phospholipase C- $\gamma$ 1 in intestinal epithelial cells <i>Published on the Internet 24 June 2002, DOI 10.1042/BJ20020248</i>	C.K. Thodeti, R. Massoumi, L. Bindslev and A. Sjölander	157–163
Fluorescently labelled bovine acyl-CoA-binding protein acting as an acyl-CoA sensor: interaction with CoA and acyl-CoA esters and its use in measuring free acyl-CoA esters and non-esterified fatty acids  Published on the Internet 24 June 2002, DOI 10.1042/BJ20011727	M.C.T. Wadum, J.K. Villadsen, S. Feddersen, R.S. Møller, T.B.F. Neergaard, B.B. Kragelund, P. Højrup, N.J. Færgeman and J. Knudsen	165–172
Alternative splicing isoforms of synaptotagmin VII in the mouse, rat and human Published on the Internet 24 June 2002, DOI 10.1042/BJ20011877	M. Fukuda, Y. Ogata, C. Saegusa, E. Kanno and K. Mikoshiba	173–180
Decreased activity and enhanced nuclear export of CCAAT-enhancer-binding protein $\beta$ during inhibition of adipogenesis by ceramide Published on the Internet 24 June 2002, DOI 10.1042/BJ20020215	K.M. Sprott, M.J. Chumley, J.M. Hanson and R.T. Dobrowsky	181–191
An intron-containing glycoside hydrolase family 9 cellulase gene encodes the dominant 90 kDa component of the cellulosome of the anaerobic fungus <i>Piromyces</i> sp. strain E2 <i>Published on the Internet 24 June 2002, DOI 10.1042/BJ20011866</i>	P.J.M. Steenbakkers, W. Ubhayasekera, H.J.A.M. Goossen, E.M.H.M. van Lierop, C. van der Drift, G.D. Vogels, S.L. Mowbray and H.J.M. Op den Camp	193–204
XpsG, the major pseudopilin in <i>Xanthomonas</i> campestris pv. campestris, forms a pilus-like structure between cytoplasmic and outer membranes  Published as BJ Immediate Publication 4 April 2002, DOI 10.1042/BJ20020194	NT. Hu, WM. Leu, MS. Lee, A. Chen, SC. Chen, YL. Song and LY. Chen	205–211
Isolation and characterization of the monkey <i>UGT2B30</i> gene that encodes a uridine diphosphate-glucuronosyltransferase enzyme active on mineralocorticoid, glucocorticoid, androgen and oestrogen hormones <i>Published on the Internet 24 June 2002, DOI 10.1042/BJ20011594</i>	C. Girard, O. Barbier, D. Turgeon and A. Bélanger	213–222

		<b>Contents</b> v
Activation of glucokinase gene expression by hepatic nuclear factor 4α in primary hepatocytes <i>Published as BJ Immediate Publication 12 April 2002, DOI 10.1042/BJ20020340</i>	U. Roth, K. Jungermann and T. Kietzmann	223–228
Mechanism of negative regulation of rat glutathione S-transferase A2 by the cytokine interleukin 6 Published as BJ Immediate Publication 8 April 2002, DOI 10.1042/BJ20011514	S.H. Voss, R. Whalen and T.D. Boyer	229–237
Perturbation of free oligosaccharide trafficking in endoplasmic reticulum glucosidase l-deficient and castanospermine-treated cells  Published as BJ Immediate Publication 10 April 2002, DOI 10.1042/BJ20011786	C. Durrant and S.E.H. Moore	239–247
Influence of rapid changes in cytosolic pH on oxidative phosphorylation in skeletal muscle: theoretical studies  Published as BJ Immediate Publication 2 April 2002, DOI 10.1042/BJ20020031	B. Korzeniewski and J.A. Zoladz	249–258
Transport of phosphatidylserine via MDR1 (multidrug resistance 1) P-glycoprotein in a human gastric carcinoma cell line Published on the Internet 24 June 2002, DOI 10.1042/BJ20011880	A. Pohl, H. Lage, P. Müller, T. Pomorski and A. Herrmann	259–268
Localization and function of a calmodulin—apocalmodulin-binding domain in the N-terminal part of the type 1 inositol 1,4,5-trisphosphate receptor  Published as BJ Immediate Publication 16 April 2002, DOI 10.1042/BJ20020144	I. Sienaert, N. Nadif Kasri, S. Vanlingen, J.B. Parys, G. Callewaert, L. Missiaen and H. de Smedt	269–277
Ferritin binds to light chain of human H-kininogen and inhibits kallikrein-mediated bradykinin release <i>Published on the Internet 24 June 2002, DOI 10.1042/BJ20011637</i>	N. Parthasarathy, S.V. Torti and F.M. Torti	279–286
In vitro selection of fibronectin gain-of-function mutations Published on the Internet 24 June 2002, DOI 10.1042/BJ20020067	P.H. Tani, J.C. Loftus and R.D. Bowditch	287–294
Metabolism of the novel Ca <sup>2+</sup> -mobilizing messenger nicotinic acid—adenine dinucleotide phosphate via a 2'-specific Ca <sup>2+</sup> -dependent phosphatase <i>Published as BJ Immediate Publication 5 April 2002, DOI 10.1042/BJ20020180</i>	G. Berridge, R. Cramer, A. Galione and S. Patel	295–301
Role of $\alpha$ Arg <sup>145</sup> and $\beta$ Arg <sup>263</sup> in the active site of penicillin acylase of <i>Escherichia coli Published on the Internet 24 June 2002, DOI 10.1042/BJ20011468</i>	W.B.L. Alkema, A.K. Prins, E. de Vries and D.B. Janssen	303–309
Loop variants of the serpin thyroxine-binding globulin: implications for hormone release upon limited proteolysis  Published as BJ Immediate Publication 3 April 2002, DOI 10.1042/BJ20020014	H. Grasberger, H.M.B. Golcher, A. Fingerhut and O.E. Janssen	311–316
The hyaluronan lyase of <i>Streptococcus pyogenes</i> bacteriophage H4489A <i>Published on the Internet 24 June 2002, DOI 10.1042/BJ20020149</i>	J.R. Baker, S. Dong and D.G. Pritchard	317–322
Sheep have an unusual variant of the brain- specific metallothionein, metallothionein-III Published on the Internet 24 June 2002, DOI 10.1042/BJ20011751	R.S. Chung, A.F. Holloway, B.L. Eckhardt, J.A. Harris, J.C. Vickers, M.I. Chuah and A.K. West	323–328