Biochemical Journal Volume 381, part 1 1 July 2004

http://www.BiochemJ.org

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

Review		
Charting gene regulatory networks: strategies, challenges and perspectives Published as BJ Immediate Publication 13 April 2004, DOI 10.1042/BJ20040311	GH. Wei, DP. Liu and CC. Liang	1–12
Accelerated Publications		
TIRF imaging of docking and fusion of single insulin granule motion in primary rat pancreatic β -cells: different behaviour of granule motion between normal and Goto–Kakizaki diabetic rat β -cells Published as BJ Immediate Publication 6 May 2004, DOI 10.1042/BJ20040434	M. Ohara-Imaizumi, C. Nishiwaki, T. Kikuta, S. Nagai, Y. Nakamichi and S. Nagamatsu	13-18
A novel role of Mgm1p, a dynamin-related GTPase, in ATP synthase assembly and cristae formation/maintenance Published as BJ Immediate Publication 5 May 2004, DOI 10.1042/BJ20040566	B. Amutha, D.M. Gordon, Y. Gu and D. Pain	19–23
Research Papers		
Molecular evolution and structure—function relationships of crotoxin-like and asparagine-6-containing phospholipases A ₂ in pit viper venoms <i>Published as BJ Immediate Publication 22 March 2004, DOI 10.1042/BJ20040125</i>	YH. Chen, YM. Wang, MJ. Hseu and IH. Tsai	25–34
Identification of a dehydrogenase acting on D-2-hydroxyglutarate Published as BJ Immediate Publication 7 April 2004, DOI 10.1042/BJ20031933	Y. Achouri, G. Noël, D. Vertommen, M.H. Rider, M. Veiga-Da-Cunha and E. van Schaftingen	35–42
Signalling of the M ₃ -muscarinic receptor to the anti-apoptotic pathway Published as BJ Immediate Publication 7 April 2004, DOI 10.1042/BJ20031705	D.C. Budd, E.J. Spragg, K. Ridd and A.B. Tobin	43–49
Effect of thyroid hormone binding proteins on insulin receptor binding of B1-thyronine-insulin analogues Published as BJ Immediate Publication 15 March 2004, DOI 10.1042/BJ20040177	F. Shojaee-Moradie, M.P.Y. Chan, M.A. Telfer, D. Brandenburg, E. Sundermann, H. Eckey, J. Kleinjung, A. Schüttler and R.H. Jones	51–57
Regulation of cytosolic prostaglandin E synthase by phosphorylation Published as BJ Immediate Publication 25 March 2004, DOI 10.1042/BJ20040118	T. Kobayashi, Y. Nakatani, T. Tanioka, M. Tsujimoto, S. Nakajo, K. Nakaya, M. Murakami and I. Kudo	online data
Substrate-specifying determinants of the nucleotide pyrophosphatases/phosphodiesterases NPP1 and NPP2 Published as BJ Immediate Publication 20 April 2004, DOI 10.1042/BJ20040465	A. Cimpean, C. Stefan, R. Gijsbers, W. Stalmans and M. Bollen	71–77
A new class (penaeidin class 4) of antimicrobial peptides from the Atlantic white shrimp (<i>Litopenaeus setiferus</i>) exhibits target specificity and an independent proline-rich-domain function <i>Published as BJ Immediate Publication 14 April 2004</i> , <i>DOI 10.1042/BJ20040330</i>	B.J. Cuthbertson, E.E. Büllesbach, J. Fievet, E. Bachère and P.S. Gross	79–86

G. Bultynck, K. Szlufcik, N.N. Kasri, Z. Assefa, G. Callewaert, L. Missiaen, J.B. Parys and H. De Smedt	87–96
G. Piszczek, S. D'Auria, M. Staiano, M. Rossi and A. Ginsburg	97–103
D. Sandonà, S. Gastaldello, T. Martinello and R. Betto	105–112
I. Ishii, N. Akahoshi, XN. Yu, Y. Kobayashi, K. Namekata, G. Komaki and H. Kimura	113–123
S. Sonkaria, G. Boucher, J. Flórez-Álvarez, B. Said, S. Hussain, E.L. Ostler, S. Gul, E.W. Thomas, M. Resmini, G. Gallacher and K. Brocklehurst	125–130
M. Bar-Peled, C.L. Griffith, J.J. Ory and T.L. Doering	131–136
T. Urich, T.M. Bandeiras, S.S. Leal, R. Rachel, T. Albrecht, P. Zimmermann, C. Scholz, M. Teixeira, C.M. Gomes and A. Kletzin	137–146
I. Bacher, A. Zidar, M. Kratzel and M. Hohenegger	147–154
C. Campa, S. Holtan, N. Nilsen, T.M. Bjerkan, B.T. Stokke and G. Skjåk-Bræk	155–164
R. Dip and H. Naegeli	165–174
M.D. Rees, C.L. Hawkins and M.J. Davies	175–184
J. Wu, M.A. Patel, A.K. Sundaram and R.W. Woodard	185–193
P. Alimardani, M. Régnacq, C. Moreau-Vauzelle, T. Ferreira, T. Rossignol, B. Blondin and T. Bergès	195–202
	G. Callewaert, L. Missiaen, J.B. Parys and H. De Smedt G. Piszczek, S. D'Auria, M. Staiano, M. Rossi and A. Ginsburg D. Sandonà, S. Gastaldello, T. Martinello and R. Betto I. Ishii, N. Akahoshi, XN. Yu, Y. Kobayashi, K. Namekata, G. Komaki and H. Kimura S. Sonkaria, G. Boucher, J. Flórez-Álvarez, B. Said, S. Hussain, E.L. Ostler, S. Gul, E.W. Thomas, M. Resmini, G. Gallacher and K. Brocklehurst M. Bar-Peled, C.L. Griffith, J.J. Ory and T.L. Doering T. Urich, T.M. Bandeiras, S.S. Leal, R. Rachel, T. Albrecht, P. Zimmermann, C. Scholz, M. Teixeira, C.M. Gomes and A. Kletzin I. Bacher, A. Zidar, M. Kratzel and M. Hohenegger C. Campa, S. Holtan, N. Nilsen, T.M. Bjerkan, B.T. Stokke and G. Skjåk-Bræk R. Dip and H. Naegeli M.D. Rees, C.L. Hawkins and M.J. Davies J. Wu, M.A. Patel, A.K. Sundaram and R.W. Woodard

Contents

٧

	-	
The mosaic receptor sorLA/LR11 binds components of the plasminogen-activating system and platelet-derived growth factor-BB similarly to LRP1 (low-density lipoprotein receptor-related protein), but mediates slow internalization of bound ligand Published as BJ Immediate Publication 30 March 2004, DOI 10.1042/BJ20040149	J. Gliemann, G. Hermey, A. Nykjær, C.M. Petersen, C. Jacobsen and P.A. Andreasen	203–212
Heterotypic interactions among NACHT domains: implications for regulation of innate immune responses Published as BJ Immediate Publication 26 April 2004, DOI 10.1042/BJ20031506	J.S. Damiano, V. Oliveira, K. Welsh and J.C. Reed	213–219
Conformational variation between allelic variants of cell-surface ovine prion protein Published as BJ Immediate Publication 7 April 2004, DOI 10.1042/BJ20040351	A.M. Thackray, S. Yang, E. Wong, T.J. Fitzmaurice, R.J. Morgan-Warren and R. Bujdoso	221–229
Angiotensin II-induced ERK1/ERK2 activation and protein synthesis are redox-dependent in glomerular mesangial cells Published as BJ Immediate Publication 18 March 2004, DOI 10.1042/BJ20031614	Y. Gorin, J.M. Ricono, B. Wagner, NH. Kim, B. Bhandari, G.G. Choudhury and H.E. Abboud	231–239
Requirements for superoxide-dependent tyrosine hydroperoxide formation in peptides Published as BJ Immediate Publication 16 March 2004, DOI 10.1042/BJ20040259	C.C. Winterbourn, H.N. Parsons-Mair, S. Gebicki, J.M. Gebicki and M.J. Davies	241–248
Reversion of protein aggregation mediated by Sso7d in cell extracts of <i>Sulfolobus solfataricus</i> Published as BJ Immediate Publication 16 March 2004, DOI 10.1042/BJ20040131	A. Guagliardi, L. Mancusi and M. Rossi	249–255
The ErbB2/Neu/HER2 receptor is a new calmodulin-binding protein Published as BJ Immediate Publication 14 April 2004, DOI 10.1042/BJ20040515	H. Li, J. Sánchez-Torres, A. del Carpio, V. Salas and A. Villalobo	257–266
Regulation of the human involucrin gene promoter by co-activator proteins Published as BJ Immediate Publication 16 March 2004, DOI 10.1042/BJ20031653	N.Q. Tran and D.L. Crowe	267–273
Participation of the proteasomal lid subunit Rpn11 in mitochondrial morphology and function is mapped to a distinct C-terminal domain Published as BJ Immediate Publication 12 March 2004, DOI 10.1042/BJ20040008	T. Rinaldi, E. Pick, A. Gambadoro, S. Zilli, V. Maytal-Kivity, L. Frontali and M.H. Glickman	275–285
Dynamic profiling of the glucose metabolic network in fasted rat hepatocytes using [1,2- ¹³ C ₂]glucose <i>Published as BJ Immediate Publication 22 March 2004, DOI 10.1042/BJ20031737</i>	S. Marin, WN.P. Lee, S. Bassilian, S. Lim, L.G. Boros, J.J. Centelles, J.M. Fernández-Novell, J.J. Guinovart and M. Cascante	287–294
Enzymic and structural characterization of nepenthesin, a unique member of a novel subfamily of aspartic proteinases Published as BJ Immediate Publication 23 March 2004, DOI 10.1042/BJ20031575	S.B.P. Athauda, K. Matsumoto, S. Rajapakshe, M. Kuribayashi, M. Kojima, N. Kubomura-Yoshida, A. Iwamatsu, C. Shibata, H. Inoue and K. Takahashi	295–306
Cyan-emitting and orange-emitting fluorescent proteins as a donor/acceptor pair for fluorescence resonance energy transfer Published as BJ Immediate Publication 5 April 2004, DOI 10.1042/BJ20040321	S. Karasawa, T. Araki, T. Nagai, H. Mizuno and A. Miyawaki	307–312
Transglutaminase 5 is regulated by guanine—adenine nucleotides Published as BJ Immediate Publication 23 March 2004, DOI 10.1042/BJ20031474	E. Candi, A. Paradisi, A. Terrinoni, V. Pietroni, S. Oddi, B. Cadot, V. Jogini, M. Meiyappan, J. Clardy, A. Finazzi-Agro and G. Melino	313–319
SLI1 (YGR212W) is a major gene conferring resistance to the sphingolipid biosynthesis inhibitor ISP-1, and encodes an ISP-1 N-acetyltransferase in yeast Published as BJ Immediate Publication 16 March 2004, DOI 10.1042/BJ20040108	M. Momoi, D. Tanoue, Y. Sun, H. Takematsu, Y. Suzuki, M. Suzuki, A. Suzuki, T. Fujita and Y. Kozutsumi	321–328