



Reviews

The gap junction cellular internet: connexin hemichannels enter the signalling limelight

Published on the Internet 14 June 2006,
doi:10.1042/BJ20060175

W.H. Evans, E. De Vuyst and L. Leybaert

1-14

How plants tell the time

Published on the Internet 14 June 2006,
doi:10.1042/BJ20060484

M.J. Gardner, K.E. Hubbard, C.T. Hotta,
A.N. Dodd and A.A.R. Webb

15-24

Accelerated Publication

The life-extending gene *Indy* encodes an exchanger for Krebs-cycle intermediates

Published as BJ Immediate Publication 12 April 2006,
doi:10.1042/BJ20060409

F. Knauf, N. Mohebbi, C. Teichert, D. Herold, B. Rogina,
S. Helfand, M. Gollasch, F.C. Luft and P.S. Aronson

25-29

Research Papers

TYK2 activity promotes ligand-induced IFNAR1 proteolysis

Published as BJ Immediate Publication 21 March 2006,
doi:10.1042/BJ20060272

Z. Marijanovic, J. Ragimbeau, K.G.S. Kumar, S.Y. Fuchs
and S. Pellegrini

31-38

Interaction between Tiam1 and the Arp2/3 complex links activation of Rac to actin polymerization

Published as BJ Immediate Publication 7 April 2006,
doi:10.1042/BJ20051957

J.P. ten Klooster, E.E. Evers, L. Janssen, L.M. Machesky,
F. Michiels, P. Hordijk and J.G. Collard

39-45

A new class of [2Fe-2S]-cluster-containing protoporphyrin (IX) ferrochelatases

Published as BJ Immediate Publication 21 March 2006,
doi:10.1042/BJ20051967

M. Shepherd, T.A. Dailey and H.A. Dailey

47-52

Role of MAP1B in axonal retrograde transport of mitochondria

Published as BJ Immediate Publication 15 March 2006,
doi:10.1042/BJ20060205

E.-M. Jiménez-Mateos, C. González-Billault,
H.N. Dawson, M.P. Vitek and J. Avila

53-59

Tumour necrosis factor α causes hypoferraemia and reduced intestinal iron absorption in mice

Published as BJ Immediate Publication 27 March 2006,
doi:10.1042/BJ20060215

A.H. Laftah, N. Sharma, M.J. Brookes, A.T. McKie,
R.J. Simpson, T.H. Iqbal and C. Tselepis

61-67

Functional role of catalytic triad and oxyanion hole-forming residues on enzyme activity of *Escherichia coli* thioesterase I/protease I/phospholipase L₁

Published as BJ Immediate Publication 6 March 2006,
doi:10.1042/BJ20051645

L.-C. Lee, Y.-L. Lee, R.-J. Leu and J.-F. Shaw

69-76

Induced TRPC1 expression sensitizes intestinal epithelial cells to apoptosis by inhibiting NF- κ B activation through Ca²⁺ influx

Published as BJ Immediate Publication 22 March 2006,
doi:10.1042/BJ20060124

B.S. Marasa, J.N. Rao, T. Zou, L. Liu, K.M. Keledjian,
A.-h. Zhang, L. Xiao, J. Chen, D.J. Turner and J.-Y. Wang

77-87

NABP1, a novel ROR γ -regulated gene encoding a single-stranded nucleic-acid-binding protein

Published as BJ Immediate Publication 13 March 2006,
doi:10.1042/BJ20051781

H.S. Kang, J.Y. Beak, Y.-S. Kim, R.M. Petrovich,
J.B. Collins, S.F. Grissom and A.M. Jetten

89-99



Blockage of oncostatin M-induced LDL receptor gene transcription by a dominant-negative mutant of C/EBP β <i>Published as BJ Immediate Publication 24 March 2006, doi:10.1042/BJ20060044</i>	Y. Zhou, F. Zhang, P. Abidi, M. Lin, G. Thiel and J. Liu	101–108
The von Hippel–Lindau tumour-suppressor protein interaction with protein kinase C δ <i>Published as BJ Immediate Publication 2 May 2006, doi:10.1042/BJ20060354</i>	X. Iturrioz, J. Durgan, V. Calleja, B. Larijani, H. Okuda, R. Whelan and P.J. Parker	109–120
Replacement of the positively charged Walker A lysine residue with a hydrophobic leucine residue and conformational alterations caused by this mutation in MRP1 impair ATP binding and hydrolysis <i>Published as BJ Immediate Publication 22 March 2006, doi:10.1042/BJ20051363</i>	F. Buyse, Y.-x. Hou, C. Vigano, Q. Zhao, J.-M. Ruyschaert and X.-b. Chang	121–130
Identification and characterization of <i>Thermoplasma acidophilum</i> glyceraldehyde dehydrogenase: a new class of NADP ⁺ -specific aldehyde dehydrogenase <i>Published as BJ Immediate Publication 27 March 2006, doi:10.1042/BJ20051763</i>	J.H. Jung and S.B. Lee	131–138
Sugar-induced increases in trehalose 6-phosphate are correlated with redox activation of ADPglucose pyrophosphorylase and higher rates of starch synthesis in <i>Arabidopsis thaliana</i> <i>Published as BJ Immediate Publication 21 March 2006, doi:10.1042/BJ20060083</i>	J.E. Lunn, R. Feil, J.H.M. Hendriks, Y. Gibon, R. Morcuende, D. Osuna, W.-R. Scheible, P. Carillo, M.-R. Hajirezaei and M. Stitt	139–148
Proteomic analysis of altered protein expression in skeletal muscle of rats in a hypermetabolic state induced by burn sepsis <i>Published as BJ Immediate Publication 16 February 2006, doi:10.1042/BJ20051710</i>	X. Duan, F. Berthiaume, D. Yarmush and M. L. Yarmush	149–158
Signalling cross-talk between hepatocyte nuclear factor 4 α and growth-hormone-activated STAT5b <i>Published as BJ Immediate Publication 4 April 2006, doi:10.1042/BJ20060332</i>	S.-H. Park, C.A. Wiwi and D.J. Waxman	159–168
INSM1 functions as a transcriptional repressor of the neuroD/ β 2 gene through the recruitment of cyclin D1 and histone deacetylases <i>Published as BJ Immediate Publication 29 March 2006, doi:10.1042/BJ20051669</i>	W.-D. Liu, H.-W. Wang, M. Muguira, M.B. Breslin and M.S. Lan	169–177
Characterization of different isoforms of the HIF prolyl hydroxylase PHD1 generated by alternative initiation <i>Published as BJ Immediate Publication 2 March 2006, doi:10.1042/BJ20051996</i>	Y.-M. Tian, D.R. Mole, P.J. Ratcliffe and J.M. Gleadle	179–186
Phosphorylation of the α subunit of translation initiation factor-2 by PKR mediates protein synthesis inhibition in the mouse brain during status epilepticus <i>Published as BJ Immediate Publication 22 February 2006, doi:10.1042/BJ20051643</i>	L.S. Carnevali, C.M. Pereira, C.B. Jaqueta, V.S. Alves, V.N. Paiva, K.M. Vattem, R.C. Wek, L.E.A.M. Mello and B.A. Castilho	187–194
Elimination of 2-keto-3-deoxy-D-glycero-D-galactonulosonic acid 9-phosphate synthase activity from human <i>N</i> -acetylneuraminic acid 9-phosphate synthase by a single mutation <i>Published as BJ Immediate Publication 27 February 2006, doi:10.1042/BJ20052034</i>	J. Hao, W.F. Vann, S. Hinderlich and M. Sundaramoorthy	195–201
Probing the substrate specificity of the dengue virus type 2 NS3 serine protease by using internally quenched fluorescent peptides <i>Published as BJ Immediate Publication 21 February 2006, doi:10.1042/BJ20051767</i>	P. Niyomrattanakit, S. Yavorava, I. Mutule, F. Mutulis, R. Petrovska, P. Prusis, G. Katzenmeier and J.E.S. Wikberg	203–211



A Pak- and Pix-dependent branch of the SDF-1 α signalling pathway mediates T cell chemotaxis across restrictive barriers <i>Published as BJ Immediate Publication 6 March 2006, doi:10.1042/BJ20051655</i>	N. Volinsky, A. Gantman and D. Yablonski	213–222
Functional interactions of the SPAK/OSR1 kinases with their upstream activator WNK1 and downstream substrate NKCC1 <i>Published as BJ Immediate Publication 2 May 2006, doi:10.1042/BJ20060220</i>	A.C. Vitari, J. Thastrup, F.H. Rafiqi, M. Deak, N.A. Morrice, H.K.R. Karlsson and D.R. Alessi	223–231