

**Review****Dynamic interactions between 14-3-3 proteins and phosphoproteins regulate diverse cellular processes**

Published as BJ Immediate Publication 28 May 2004,  
DOI 10.1042/BJ20031332

C. Mackintosh

329–342

**Research Papers**

The second RNA-binding domain of the human splicing factor ASF/SF2 is the critical domain controlling adenovirus E1A alternative 5'-splice site selection

Published as BJ Immediate Publication 7 April 2004,  
DOI 10.1042/BJ20040408

V. Dauksaite and G. Akusjärvi

343–350

Selective binding to transthyretin and tetramer stabilization in serum from patients with familial amyloidotic polyneuropathy by an iodinated diflunisal derivative

Published as BJ Immediate Publication 7 April 2004,  
DOI 10.1042/BJ20040011

M.R. Almeida, B. Macedo, I. Cardoso, I. Alves,  
G. Valencia, G. Arsequell, A. Planas and M.J. Saraiva

351–356

Restoration of sterol-regulatory-element-binding protein-1c gene expression in HepG2 cells by peroxisome-proliferator-activated receptor- $\gamma$  co-activator-1 $\alpha$

Published as BJ Immediate Publication 15 April 2004,  
DOI 10.1042/BJ20040173

H. Oberkofler, E. Schraml, F. Krempler and W. Patsch

357–363

Regio- and stereo-chemical oxidation of linoleic acid by human myoglobin and hydrogen peroxide: Tyr<sup>103</sup> affects rate and product distribution

Published as BJ Immediate Publication 22 March 2004,  
DOI 10.1042/BJ20031924

B.S. Rayner, R. Stocker, P.A. Lay and P.K. Witting

365–372

The water- and salt-stress-regulated *Asr1* (abscisic acid stress ripening) gene encodes a zinc-dependent DNA-binding protein

Published as BJ Immediate Publication 22 April 2004,  
DOI 10.1042/BJ20031800

Y. Kalifa, A. Gilad, Z. Konrad, M. Zaccai, P.A. Scolnik  
and D. Bar-Zvi

373–378

Mammalian Hsp22 is a heat-inducible small heat-shock protein with chaperone-like activity

Published as BJ Immediate Publication 19 March 2004,  
DOI 10.1042/BJ20031958

T.K. Chowdary, B. Raman, T. Ramakrishna and C.M. Rao

379–387

Actin filaments play a permissive role in the inhibition of store-operated Ca<sup>2+</sup> entry by extracellular ATP in rat brown adipocytes

Published as BJ Immediate Publication 23 April 2004,  
DOI 10.1042/BJ20040378

M. Omatsu-Kanbe, M. Shibata, T. Yamamoto, T. Isono  
and H. Matsuura

389–396

Control of expression of the lectin-like protein Reg-1 by gastrin: role of the Rho family GTPase RhoA and a C-rich promoter element

Published as BJ Immediate Publication 26 April 2004,  
DOI 10.1042/BJ20031793

F.J. Ashcroft, A. Varro, R. Dimaline and G.J. Dockray

397–403

Reduction of anti-leishmanial pentavalent antimonial drugs by a parasite-specific thiol-dependent reductase, TDR1

Published as BJ Immediate Publication 1 April 2004,  
DOI 10.1042/BJ20040283

H. Denton, J.C. McGregor and G.H. Coombs

405–412

Suppression of matrix metalloproteinase-9 transcription by transforming growth factor- $\beta$ is mediated by a nuclear factor- $\kappa$ B site <i>Published as BJ Immediate Publication 15 April 2004, DOI 10.1042/BJ20040058</i>	K. Ogawa, F. Chen, C. Kuang and Y. Chen	<b>413–422</b>
Regulation of the cerebellar inositol 1,4,5-trisphosphate receptor by univalent cations <i>Published as BJ Immediate Publication 15 April 2004, DOI 10.1042/BJ20031984</i>	J.-F. Coquil, S. Blazquez, S. Soave and J.-P. Mauger	<b>423–428</b>
Terminal differentiation of Sol 8 myoblasts is retarded by a transforming growth factor- $\beta$ autocrine regulatory loop <i>Published as BJ Immediate Publication 31 March 2004, DOI 10.1042/BJ20031008</i>	S. Allegra, J.Y. Li, J.M. Saez and D. Langlois	<b>429–436</b>
The vaccinia virus-stimulated mitogen-activated protein kinase (MAPK) pathway is required for virus multiplication <i>Published as BJ Immediate Publication 16 March 2004, DOI 10.1042/BJ20031375</i>	A.A. Andrade, P.N.G. Silva, A.C.T.C. Pereira, L.P. de Sousa, P.C.P. Ferreira, R.T. Gazzinelli, E.G. Kroon, C. Ropert and C.A. Bonjardim	<b>437–446</b>
Reactive oxygen species play no role in the candidacidal activity of the salivary antimicrobial peptide histatin 5 <i>Published as BJ Immediate Publication 26 April 2004, DOI 10.1042/BJ20040208</i>	E.C.I. Veerman, K. Nazmi, W. van 't Hof, J.G.M. Bolscher, A.L. den Hertog and A.V. Nieuw Amerongen	<b>447–452</b>
Regulation of the MST1 kinase by autophosphorylation, by the growth inhibitory proteins, RASSF1 and NORE1, and by Ras <i>Published as BJ Immediate Publication 27 April 2004, DOI 10.1042/BJ20040025</i>	M. Praskova, A. Khoklatchev, S. Ortiz-Vega and J. Avruch	<b>453–462</b>
Long-chain saturated fatty acids induce annexin II translocation to detergent-resistant membranes <i>Published as BJ Immediate Publication 20 April 2004, DOI 10.1042/BJ20031083</i>	H. Zhao and R.W. Hardy	<b>463–469</b>
Multisite phosphorylation of doublecortin by cyclin-dependent kinase 5 <i>Published as BJ Immediate Publication 20 April 2004, DOI 10.1042/BJ20040324</i>	M.E. Graham, P. Ruma-Haynes, A.G. Capes-Davis, J.M. Dunn, T.C. Tan, V.A. Valova, P.J. Robinson and P.L. Jeffrey	<b>471–481</b>
Segregation of two glutaminase isoforms in islets of Langerhans <i>Published as BJ Immediate Publication 19 April 2004, DOI 10.1042/BJ20040523</i>	D. Baglietto-Vargas, J.F. López-Téllez, I. Moreno-González, A. Gutiérrez and J.C. Aledo	<b>483–487</b>
Human hereditary glutathione synthetase deficiency: kinetic properties of mutant enzymes <i>Published as BJ Immediate Publication 1 April 2004, DOI 10.1042/BJ20040114</i>	R. Njålsson, K. Carlsson, V. Bhansali, J.-L. Luo, L. Nilsson, R. Ladenstein, M. Anderson, A. Larsson and S. Norgren	<b>489–494</b>
Differential signalling for enhanced hexose uptake by interleukin (IL)-3 and IL-5 in male germ cells <i>Published as BJ Immediate Publication 12 March 2004, DOI 10.1042/BJ20031615</i>	M.C. Rauch, M. Brito, A. Zambrano, M. Espinoza, M. Pérez, A. Yañez, C.I. Rivas, J.C. Slebe, J.C. Vera and I.I. Concha	<b>495–501</b>
Interleukin-1 homologues IL-1F7b and IL-18 contain functional mRNA instability elements within the coding region responsive to lipopolysaccharide <i>Published as BJ Immediate Publication 26 March 2004, DOI 10.1042/BJ20040217</i>	P. Bufler, F. Gamboni-Robertson, T. Azam, S.-H. Kim and C.A. Dinarello	<b>503–510</b>
Crystal structure of NS-134 in complex with bovine cathepsin B: a two-headed epoxysuccinyl inhibitor extends along the entire active-site cleft <i>Published as BJ Immediate Publication 15 April 2004, DOI 10.1042/BJ20040237</i>	I. Štern, N. Schaschke, L. Moroder and D. Turk	<b>511–517</b>
Inositol trisphosphate analogues selective for types I and II inositol trisphosphate receptors exert differential effects on vasopressin-stimulated $\text{Ca}^{2+}$ inflow and $\text{Ca}^{2+}$ release from intracellular stores in rat hepatocytes <i>Published as BJ Immediate Publication 28 May 2004, DOI 10.1042/BJ20040637</i>	R.B. Gregory, R. Hughes, A.M. Riley, B.V.L. Potter, R.A. Wilcox and G.J. Barritt	<b>519–526</b>

---

Combinational clustering of receptors following stimulation by bacterial products determines lipopolysaccharide responses <i>Published as BJ Immediate Publication 24 March 2004, DOI 10.1042/BJ20040172</i>	M. Triantafilou, K. Brandenburg, S. Kusumoto, K. Fukase, A. Mackie, U. Seydel and K. Triantafilou	<b>527–536</b>
Intracellular transport of human lysosomal $\alpha$ -mannosidase and $\alpha$ -mannosidosis-related mutants <i>Published as BJ Immediate Publication 23 March 2004, DOI 10.1042/BJ20031499</i>	G. Hansen, T. Berg, H.M.F. Riise Stensland, P. Heikinheimo, H. Klenow, G. Evjen, Ø. Nilssen and O.K. Tollersrud	<b>537–546</b>
Molecular analysis of muskelin identifies a conserved discoidin-like domain that contributes to protein self-association <i>Published as BJ Immediate Publication 15 April 2004, DOI 10.1042/BJ20040253</i>	S. Prag, G.D.M. Collett and J.C. Adams	<b>547–559</b>