

## Reviews

**Snf1-related protein kinases (SnRKs) act within an intricate network that links metabolic and stress signalling in plants**

Published on the Internet 27 March 2009,  
doi:10.1042/BJ20082408

**Connexin43 phosphorylation: structural changes and biological effects**

Published on the Internet 27 March 2009,  
doi:10.1042/BJ20082319

N.G. Halford and S.J. Hey

247–259



261–272

## Online Commentary

Drug screening by crossing membranes: a novel approach to identification of trypanocides

Published on the Internet 27 March 2009,  
doi:10.1042/BJ20090283

M. C. Field

e1–e3

## Accelerated Publication

FKBP12.6 binding of ryanodine receptors carrying mutations associated with arrhythmogenic cardiac disease

Published as BJ Immediate Publication 18 February 2009,  
doi:10.1042/BJ20082324

S. Zissimopoulos, N.L. Thomas, W.W. Jamaluddin and F.A. Lai

273–278



## Research Papers

Nitration of cathepsin D enhances its proteolytic activity during mammary gland remodelling after lactation

Published as BJ Immediate Publication 6 January 2009,  
doi:10.1042/BJ20081746

R. Zaragozá, L. Torres, C. García, P. Eroles, F. Corrales, A. Bosch, A. Lluch, E.R. García-Trevijano and J.R. Viña

279–288

Channel-interacting PDZ protein, 'CIPP', interacts with proteins involved in cytoskeletal dynamics

Published as BJ Immediate Publication 13 January 2009,  
doi:10.1042/BJ20081387

E. Alpi, E. Landi, M. Barilari, M. Serresi, P. Salvadori, A. Bachi and L. Dente

289–300



A novel motif at the C-terminus of palmitoyltransferases is essential for Swf1 and Pfa3 function *in vivo*

Published as BJ Immediate Publication 13 January 2009,  
doi:10.1042/BJ20080921

A. González Montoro, R. Quiroga, H.J.F. Maccioni and J. Valdez Taubas

301–308



Resistance of *Helicoverpa armigera* to Cry1Ac toxin from *Bacillus thuringiensis* is due to improper processing of the protoxin

Published as BJ Immediate Publication 16 January 2009,  
doi:10.1042/BJ20081152

R. Rajagopal, N. Arora, S. Sivakumar, N.G.V. Rao, S.A. Nimbalkar and R.K. Bhatnagar

309–316



The ABC transporter MsbA interacts with lipid A and amphipathic drugs at different sites

Published as BJ Immediate Publication 8 January 2009,  
doi:10.1042/BJ20081364

A. Siarheyeva and F.J. Sharom

317–328

A region N-terminal to the tandem SH3 domain of p47<sup>phox</sup> plays a crucial role in the activation of the phagocyte NADPH oxidase

Published as BJ Immediate Publication 17 December 2008,  
doi:10.1042/BJ20082028

M. Taura, K. Miyano, R. Minakami, S. Kamakura, R. Takeya and H. Sumimoto

329–338

Crystal structure of rat haem oxygenase-1 in complex with ferrous verdohaem: presence of a hydrogen-bond network on the distal side <i>Published as BJ Immediate Publication</i> 20 January 2009, doi:10.1042/BJ20082279	H. Sato, M. Sugishima, H. Sakamoto, Y. Higashimoto, C. Shimokawa, K. Fukuyama, G. Palmer and M. Noguchi	 339–345
A study of the ultrastructure of Fragile-X-related proteins <i>Published as BJ Immediate Publication</i> 14 January 2009, doi:10.1042/BJ2008197	L. Sjekloča, P.V. Konarev, J. Eccleston, I.A. Taylor, D.I. Svergun and A. Pastore	 347–357
Branched-chain 2-oxoacid transamination increases GABA-shunt metabolism and insulin secretion in isolated islets <i>Published as BJ Immediate Publication</i> 28 January 2009, doi:10.1042/BJ20081731	J. Pizarro-Delgado, I. Hernández-Fisac, R. Martín-Del-Río and J. Tamarit-Rodríguez	359–368
Mitochondrial carrier protein biogenesis: role of the chaperones Hsc70 and Hsp90 <i>Published as BJ Immediate Publication</i> 14 January 2009, doi:10.1042/BJ20082270	V. Zara, A. Ferramosca, P. Robitaille-Foucher, F. Palmieri and J.C. Young	 369–375
Identification of a cluster of residues in transmembrane segment 6 of domain III of the cockroach sodium channel essential for the action of pyrethroid insecticides <i>Published as BJ Immediate Publication</i> 20 January 2009, doi:10.1042/BJ20082082	Y. Du, J.-E. Lee, Y. Nomura, T. Zhang, B.S. Zhorov and K. Dong	 377–385
Chondroitin 4-O-sulfotransferase-1 is required for somitic muscle development and motor axon guidance in zebrafish <i>Published as BJ Immediate Publication</i> 6 January 2009, doi:10.1042/BJ20081639	S. Mizumoto, T. Mikami, D. Yasunaga, N. Kobayashi, H. Yamauchi, A. Miyake, N. Itoh, H. Kitagawa and K. Sugahara	387–399
Gambogic acid covalently modifies IκB kinase-β subunit to mediate suppression of lipopolysaccharide-induced activation of NF-κB in macrophages <i>Published as BJ Immediate Publication</i> 14 January 2009, doi:10.1042/BJ20081482	U.D. Palempalli, U. Gandhi, P. Kalantari, H. Vunta, R.J. Arner, V. Narayan, A. Ravindran and K.S. Prabhu	401–409
Cytochrome P450 oxidoreductase participates in nitric oxide consumption by rat brain <i>Published as BJ Immediate Publication</i> 20 January 2009, doi:10.1042/BJ20082419	C.N. Hall, R.G. Keynes and J. Garthwaite	 411–418
Role of aryl hydrocarbon receptor in modulation of the expression of the hypoxia marker carbonic anhydrase IX <i>Published as BJ Immediate Publication</i> 20 January 2009, doi:10.1042/BJ20080952	M. Takacova, T. Holotnakova, J. Vondracek, M. Machala, K. Pencikova, K. Gradin, L. Poellinger, J. Pastorek, S. Pastorekova and J. Kopacek	419–425
The permissive role of mitochondria in the induction of haem oxygenase-1 in endothelial cells <i>Published as BJ Immediate Publication</i> 23 January 2009, doi:10.1042/BJ20081350	K.C. Ricart, S. Bolisetty, M.S. Johnson, J. Perez, A. Agarwal, M.P. Murphy and A. Landar	 427–436
Peroxiredoxin 5 confers protection against oxidative stress and apoptosis and also promotes longevity in <i>Drosophila</i> <i>Published as BJ Immediate Publication</i> 7 January 2009, doi:10.1042/BJ20082003	S.N. Radyuk, K. Michalak, V.I. Klichko, J. Benes, I. Rebrin, R.S. Sohal and W.C. Orr	437–445
Etomoxir-induced partial carnitine palmitoyltransferase-I (CPT-I) inhibition <i>in vivo</i> does not alter cardiac long-chain fatty acid uptake and oxidation rates <i>Published as BJ Immediate Publication</i> 13 January 2009, doi:10.1042/BJ20082159	J.J.F.P. Luiken, H.E.C. Niessen, S.L.M. Coort, N. Hoebers, W.A. Coumans, R.W. Schwenk, A. Bonen and J.F.C. Glatz	447–455
Human calcium/calmodulin-dependent serine protein kinase regulates the expression of p21 via the E2A transcription factor <i>Published as BJ Immediate Publication</i> 6 January 2009, doi:10.1042/BJ20080515	R. Sun, Y. Su, X. Zhao, J. Qi, Xiaofeng Luo, Z. Yang, Y. Yao, Xiangdong Luo and Z. Xia	457–466

---

Substrate specificity of transthyretin: identification of natural substrates in the nervous system <i>Published as BJ Immediate Publication</i> 12 January 2009, doi:10.1042/BJ20082090	M.A. Liz, C.E. Fleming, A.F. Nunes, M.R. Almeida, F.M. Mar, Y. Choe, C.S. Craik, J.C. Powers, M. Bogyo and M.M. Sousa	467–474
GAPDH binds GLUT4 reciprocally to hexokinase-II and regulates glucose transport activity <i>Published as BJ Immediate Publication</i> 14 January 2009, doi:10.1042/BJ20081319	H. Zaid, I. Talior-Volodarsky, C. Antonescu, Z. Liu and A. Klip	475–484
	<i>online data</i>	
TGF- $\beta$ regulates the expression of transcription factor KLF6 and its splice variants and promotes co-operative transactivation of common target genes through a Smad3-Sp1-KLF6 interaction <i>Published as BJ Immediate Publication</i> 10 December 2008, doi:10.1042/BJ20081434	L.M. Botella, F. Sanz-Rodriguez, Y. Komi, A. Fernandez-L, E. Varela, E.M. Garrido-Martin, G. Narla, S.L. Friedman and S. Kojima	485–495
	<i>online data</i>	
Analysis and characterization of dimerization inhibition of a multi-drug-resistant Human Immunodeficiency Virus Type 1 protease using a novel size-exclusion chromatographic approach <i>Published as BJ Immediate Publication</i> 16 January 2009, doi:10.1042/BJ20082068	D.A. Davis, I.R. Tebbs, S.I. Daniels, S.J. Stahl, J.D. Kaufman, P. Wingfield, M.J. Bowman, J. Chmielewski and R. Yarchoan	497–506
	<i>online data</i>	
Post-translational import of protein into the endoplasmic reticulum of a trypanosome: an <i>in vitro</i> system for discovery of anti-trypanosomal chemical entities <i>Published as BJ Immediate Publication</i> 5 February 2009, doi:10.1042/BJ20081787	B. Patham, J. Duffy, A. Lane, R.C. Davis, P. Wipf, S.W. Fewell, J.L. Brodsky and K. Mensa-Wilmot	507–517
	<i>online commentary</i>	