

## Reviews

**Bone morphogenetic protein and growth differentiation factor cytokine families and their protein antagonists**

Published on the Internet 14 June 2010,  
doi:10.1042/BJ20100305

C.C. Rider and B. Mulloy



1–12

**Functional implications of sterol transport by the oxysterol-binding protein gene family**

Published on the Internet 14 June 2010,  
doi:10.1042/BJ20100263

M.H. Ngo, T.R. Colbourne and N.D. Ridgway



13–24

## Research Papers

## Contribution of DEAH-box protein DHX16 in human pre-mRNA splicing

Published as BJ Immediate Publication 28 April 2010,  
doi:10.1042/BJ20100266

M. Gencheva, M. Kato, A.N.S. Newo and R.-J. Lin



25–32

## SnoRNA microarray analysis reveals changes in H/ACA and C/D RNA levels caused by dyskerin ablation in mouse liver

Published as BJ Immediate Publication 28 April 2010,  
doi:10.1042/BJ20091898

J. Ge, S.D. Crosby, M.E. Heinz, M. Bessler and P.J. Mason



33–41

## Selenium controls the sex-specific immune response and selenoprotein expression during the acute-phase response in mice

Published as BJ Immediate Publication 6 April 2010,  
doi:10.1042/BJ20091868

M. Stoedter, K. Renko, A. Högl and L. Schomburg

43–51

## Roles of COMM-domain-containing 1 in stability and recruitment of the copper-transporting ATPase in a mouse hepatoma cell line

Published as BJ Immediate Publication 30 April 2010,  
doi:10.1042/BJ20100223

T. Miyayama, D. Hiraoka, F. Kawaji, E. Nakamura, N. Suzuki and Y. Ogra

53–61

## The arginylation-dependent association of calreticulin with stress granules is regulated by calcium

Published as BJ Immediate Publication 27 April 2010,  
doi:10.1042/BJ20091953

M.A. Carpio, C. López Sambrooks, E.S. Durand and M.E. Hallak

63–72

Regulation of *Nicotiana tabacum* osmotic stress-activated protein kinase and its cellular partner GAPDH by nitric oxide in response to salinity

Published as BJ Immediate Publication 16 April 2010,  
doi:10.1042/BJ20100492

I. Wawer, M. Bucholc, J. Astier, A. Anielska-Mazur, J. Dahan, A. Kulik, A. Wysłouch-Cieszynska, M. Zaręba-Koziół, E. Krzywinska, M. Dadlez, G. Dobrowolska and D. Wendehenne

73–83

## Selenium compounds are substrates for glutaredoxins: a novel pathway for selenium metabolism and a potential mechanism for selenium-mediated cytotoxicity

Published as BJ Immediate Publication 22 April 2010,  
doi:10.1042/BJ20100368

M. Wallenberg, E. Olm, C. Hebert, M. Björnstedt and A.P. Fernandes

85–93

## SUMO modification regulates the transcriptional activity of XBP1

Published as BJ Immediate Publication 22 April 2010,  
doi:10.1042/BJ20100193

H. Chen and L. Qi



95–102

## Contents

---

Crystal structure and functional characterization of an immunomodulatory salivary cystatin from the soft tick <i>Ornithodoros moubata</i> <i>Published on the Internet 14 June 2010,</i> <i>doi:10.1042/BJ20100280</i>	J. Salát, G.C. Paesen, P. Řezáčová, M. Kotsyfakis, Z. Kovářová, M. Šanda, J. Majtán, L. Grunclová, H. Horká, J.F. Andersen, J. Brynda, M. Horn, M.A. Nunn, P. Kopáček, J. Kopecký and M. Mareš	 103–112
Oligomeric assembly and interactions within the human RuvB-like RuvBL1 and RuvBL2 complexes <i>Published as BJ Immediate Publication 22 April 2010,</i> <i>doi:10.1042/BJ20100489</i>	A. Niewiarowski, A.S. Bradley, J. Gor, A.R. McKay, S.J. Perkins and I.R. Tsaneva	113–125
Regulation of LIM-domain-binding 1 protein expression by ubiquitination of Lys <sup>134</sup> <i>Published as BJ Immediate Publication 28 April 2010,</i> <i>doi:10.1042/BJ20091461</i>	P.W. Howard, S.F. Jue, D.G. Ransom and R.A. Maurer	127–136
TGF $\beta$ (transforming growth factor $\beta$ ) receptor type III directs clathrin-mediated endocytosis of TGF $\beta$ receptor types I and II <i>Published as BJ Immediate Publication 20 April 2010,</i> <i>doi:10.1042/BJ20091598</i>	S. McLean and G.M. Di Guglielmo	 137–145
Dominant-negative VDAC1 mutants reveal oligomeric VDAC1 to be the active unit in mitochondria-mediated apoptosis <i>Published as BJ Immediate Publication 26 April 2010,</i> <i>doi:10.1042/BJ20091338</i>	A. Mader, S. Abu-Hamad, N. Arbel, M. Gutierrez-Asuilar and V. Shoshan-Barmatz	147–155
Human pancreas-specific protein disulfide-isomerase (PDIP) can function as a chaperone independently of its enzymatic activity by forming stable complexes with denatured substrate proteins <i>Published as BJ Immediate Publication 27 April 2010,</i> <i>doi:10.1042/BJ20091954</i>	X.-M. Fu and B.T. Zhu	 157–169
Identification of the structural motif responsible for trimeric assembly of the C-terminal regulatory domains of polycystin channels PKD2L1 and PKD2 <i>Published as BJ Immediate Publication 21 April 2010,</i> <i>doi:10.1042/BJ20091843</i>	K.L. Molland, A. Narayanan, J.W. Burgner II and D.A. Yernool	171–183
Transferrin-iron routing to the cytosol and mitochondria as studied by live and real-time fluorescence <i>Published as BJ Immediate Publication 21 April 2010,</i> <i>doi:10.1042/BJ20100213</i>	M. Shvartsman, E. Fibach and Z.I. Cabantchik	185–193
The reconstituted <i>Escherichia coli</i> MsbA protein displays lipid flippase activity <i>Published as BJ Immediate Publication 22 April 2010,</i> <i>doi:10.1042/BJ20100144</i>	P.D.W. Eckford and F.J. Sharom	 195–203
Pyruvate dehydrogenase kinase 1 controls mitochondrial metabolism and insulin secretion in INS-1 832/13 clonal $\beta$ -cells <i>Published as BJ Immediate Publication 23 April 2010,</i> <i>doi:10.1042/BJ20100142</i>	U. Krus, O. Kotova, P. Spégel, E. Hallgard, V.V. Sharoyko, A. Vedin, T. Moritz, M.C. Sugden, T. Koeck and H. Mulder	 205–213
Temporal regulation of <i>Cat-1</i> (cationic amino acid transporter-1) gene transcription during endoplasmic reticulum stress <i>Published as BJ Immediate Publication 21 April 2010,</i> <i>doi:10.1042/BJ20100286</i>	C.C. Huang, Y. Li, A.B. Lopez, C.-M. Chiang, R.J. Kaufman, M.D. Snider and M. Hatzoglou	215–224