

Review

- Effects of nitrogen monoxide and carbon monoxide on molecular and cellular iron metabolism: mirror-image effector molecules that target iron** 429–440

by R.N. Watts, P. Ponka and D.R. Richardson

Published as BJ Immediate Publication 7 November 2002,
DOI 10.1042/BJ20021302

Accelerated Publications

- Spatial characterisation of ryanodine-induced calcium release in mouse pancreatic acinar cells M.C. Ashby, O.H. Petersen and A.V. Tepikin 441–445
Published as BJ Immediate Publication 22 November 2002,
DOI 10.1042/BJ20021039
- Role of superoxide dismutase in survival of *Leishmania* within the macrophage S. Ghosh, S. Goswami and S. Adhya 447–452
Published as BJ Immediate Publication 2 December 2002,
DOI 10.1042/BJ20021684

Research Papers

- Sorting of carboxypeptidase E to the regulated secretory pathway requires interaction of its transmembrane domain with lipid rafts C.-F. Zhang, S. Dhanvantari, H. Lou and Y.P. Loh 453–460
Published as BJ Immediate Publication 29 October 2002,
DOI 10.1042/BJ20020827
- Role of Cys⁴¹ in the N-terminal domain of lumican in *ex vivo* collagen fibrillogenesis by cultured corneal stromal cells E.C. Carlson, K. Mamiya, C.-Y. Liu, R.L. Gendron, D.E. Birk, J.L. Funderburgh and W.W.-Y. Kao 461–468
Published as BJ Immediate Publication 16 October 2002,
DOI 10.1042/BJ20020593
- Identification of amino acid residues, essential for maintaining the tetrameric structure of sheep liver cytosolic serine hydroxymethyltransferase, by targeted mutagenesis V.R. Jala, N. Appaji Rao and H.S. Savithri 469–476
Published as BJ Immediate Publication 22 October 2002,
DOI 10.1042/BJ20021160
- p300/cAMP-response-element-binding-protein ('CREB')-binding protein (CBP) modulates co-operation between myocyte enhancer factor 2A (MEF2A) and thyroid hormone receptor–retinoid X receptor A. De Luca, A. Severino, P. De Paolis, G. Cottone, L. De Luca, M. De Falco, A. Porcellini, M. Volpe and G. Condorelli 477–484
Published as BJ Immediate Publication 8 October 2002,
DOI 10.1042/BJ20020057
- A functional activating protein 1 (AP-1) site regulates matrix metalloproteinase 2 (MMP-2) transcription by cardiac cells through interactions with JunB–Fra1 and JunB–FosB heterodimers M.R. Bergman, S. Cheng, N. Honbo, L. Piacentini, J.S. Karliner and D.H. Lovett 485–496
Published as BJ Immediate Publication 8 October 2002,
DOI 10.1042/BJ20020707
- Aspartate-107 and leucine-109 facilitate efficient coupling of glutamine hydrolysis to CTP synthesis by *Escherichia coli* CTP synthase A. Iyengar and S.L. Bearne 497–507
Published as BJ Immediate Publication 17 October 2002,
DOI 10.1042/BJ20021110
- Substrate-induced conformational transition in human phenylalanine hydroxylase as studied by surface plasmon resonance analyses: the effect of terminal deletions, substrate analogues and phosphorylation A.J. Stokka and T. Flatmark 509–518
Published as BJ Immediate Publication 15 October 2002,
DOI 10.1042/BJ20021009

Disruption and overexpression of the <i>Schizosaccharomyces pombe</i> <i>aps1</i> gene, and effects on growth rate, morphology and intracellular diadenosine 5',5'''-P ¹ ,P ⁵ -pentaphosphate and diphosphoinositol polyphosphate concentrations <i>Published as BJ Immediate Publication 21 October 2002, DOI 10.1042/BJ20020733</i>	S.W. Ingram, S.T. Safrany and L.D. Barnes	519–528
Ellman's-reagent-mediated regeneration of trypanothione <i>in situ</i> : substrate-economical microplate and time-dependent inhibition assays for trypanothione reductase <i>Published as BJ Immediate Publication 5 November 2002, DOI 10.1042/BJ20021298</i>	C.J. Hamilton, A. Saravanamuthu, I.M. Eggleston and A.H. Fairlamb	529–537
Peroxisome proliferator-activated receptor α (PPAR α)-mediated regulation of multidrug resistance 2 (Mdr2) expression and function in mice <i>Published as BJ Immediate Publication 15 October 2002, DOI 10.1042/BJ20020981</i>	T. Kok, V.W. Bloks, H. Wolters, R. Havinga, P.L.M. Jansen, B. Staels and F. Kuipers	539–547
Upstream stimulatory factor activates the vasopressin promoter via multiple motifs, including a non-canonical E-box <i>Published as BJ Immediate Publication 28 October 2002, DOI 10.1042/BJ20021176</i>	J.M. Coulson, J.L. Edgson, Z.V. Marshall-Jones, R. Mulgrew, J.P. Quinn and Penella J. Woll	549–561
Factor VII mutant V154G models a zymogen-like form of Factor VIIa <i>Published as BJ Immediate Publication 1 October 2002, DOI 10.1042/BJ20020888</i>	R. Toso, F. Bernardi, T. Tidd, M. Pinotti, R.M. Camire, G. Marchetti, K.A. High and E.S. Pollak	563–571
Acetylacetone-cleaving enzyme Dke1: a novel C–C-bond-cleaving enzyme from <i>Acinetobacter johnsonii</i> <i>Published as BJ Immediate Publication 14 October 2002, DOI 10.1042/BJ20021047</i>	G.D. Straganz, A. Glieder, L. Brecker, D.W. Ribbons and W. Steiner	573–581
Hepatocyte nuclear factor-6 stimulates transcription of the α -fetoprotein gene and synergizes with the retinoic-acid-receptor-related orphan receptor α -4 <i>Published as BJ Immediate Publication 15 October 2002, DOI 10.1042/BJ20021229</i>	H. Nacer-Cherif, B. Bois-Joyeux, G.G. Rousseau, F.P. Lemaigre and J.-L. Danan	583–591
The C-terminal segment of the 1,3- β -glucanase Ole e 9 from olive (<i>Olea europaea</i>) pollen is an independent domain with allergenic activity: expression in <i>Pichia pastoris</i> and characterization <i>Published as BJ Immediate Publication 22 October 2002, DOI 10.1042/BJ20020423</i>	O. Palomares, M. Villalba and R. Rodríguez	593–601
Formation of active monomers from tetrameric human β -tryptase <i>Published as BJ Immediate Publication 21 October 2002, DOI 10.1042/BJ20021418</i>	I. Fajardo and G. Pejler	603–610
Neighbouring bases in template influence base-pairing of isoguanine <i>Published as BJ Immediate Publication 21 October 2002, DOI 10.1042/BJ20020922</i>	A.M. Maciejewska, K.D. Lichota and J.T. Kuśmierk	611–618
The transition between active and de-activated forms of NADH:ubiquinone oxidoreductase (Complex I) in the mitochondrial membrane of <i>Neurospora crassa</i> <i>Published as BJ Immediate Publication 14 October 2002, DOI 10.1042/BJ20021165</i>	V.G. Grivennikova, D.V. Serebryanaya, E.P. Isakova, T.A. Belozerskaya and A.D. Vinogradov	619–626
Interdomain communication in the molecular chaperone DnaK <i>Published as BJ Immediate Publication 17 October 2002, DOI 10.1042/BJ20020943</i>	W. Han and P. Christen	627–634
Group D prothrombin activators from snake venom are structural homologues of mammalian blood coagulation factor Xa <i>Published as BJ Immediate Publication 28 October 2002, DOI 10.1042/BJ20020889</i>	V.S. Rao, J.S. Joseph and R.M. Kini	635–642
Inhibition of phosphatidylcholine synthesis induces expression of the endoplasmic reticulum stress and apoptosis-related protein CCAAT/enhancer-binding protein-homologous protein (CHOP/GADD153) <i>Published as BJ Immediate Publication 7 October 2002, DOI 10.1042/BJ20020285</i>	M.H.M. van der Sanden, M. Houweling, L.M.G. van Golde and A.B. Vaandrager	643–650

An ERG (<i>ets</i> -related gene)-associated histone methyltransferase interacts with histone deacetylases 1/2 and transcription co-repressors mSin3A/B <i>Published as BJ Immediate Publication 24 October 2002, DOI 10.1042/BJ20020854</i>	L. Yang, Q. Mei, A. Zielinska-Kwiatkowska, Y. Matsui, M.L. Blackburn, D. Benedetti, A.A. Krumm, G.J. Taborsky Jr and H.A. Chansky	651–657
Human meprin β : O-linked glycans in the intervening region of the type I membrane protein protect the C-terminal region from proteolytic cleavage and diminish its secretion <i>Published as BJ Immediate Publication 21 October 2002, DOI 10.1042/BJ20021398</i>	B. Leuenberger, D. Hahn, A. Pischitzis, M.K. Hansen and E.E. Sterchi	659–665
Molecular identification of the long isoform of the human neuropeptide Y Y5 receptor and pharmacological comparison with the short Y5 receptor isoform <i>Published as BJ Immediate Publication 24 October 2002, DOI 10.1042/BJ20020739</i>	M. Rodriguez, V. Audinot, S. Dromaint, C. Macia, V. Lamamy, P. Beauverger, H. Rique, J. Imbert, J.P. Nicolas, J.A. Boutin and J.P. Galizzi	667–673
Anion- and pH-dependent activation of the soluble form of dopamine β -hydroxylase <i>Published as BJ Immediate Publication 15 October 2002, DOI 10.1042/BJ20020783</i>	O. Terland and T. Flatmark	675–679
Cd ²⁺ and the N-terminal metal-binding domain protect the putative membranous CPC motif of the Cd ²⁺ -ATPase of <i>Listeria monocytogenes</i> <i>Published as BJ Immediate Publication 17 October 2002, DOI 10.1042/BJ20021416</i>	N. Bal, C.C. Wu, P. Catty, F. Guillain and E. Mintz	681–685
Investigation of potential mechanisms regulating protein expression of hepatic pyruvate dehydrogenase kinase isoforms 2 and 4 by fatty acids and thyroid hormone <i>Published as BJ Immediate Publication 18 November 2002, DOI 10.1042/BJ20021509</i>	M.J. Holness, K. Bulmer, N.D. Smith and M.C. Sugden	687–695
Cytotoxic activity of <i>Bacillus thuringiensis</i> Cry proteins on mammalian cells transfected with cadherin-like Cry receptor gene of <i>Bombyx mori</i> (silkworm) <i>Published as BJ Immediate Publication 28 October 2002, DOI 10.1042/BJ20021401</i>	Y. Tsuda, F. Nakatani, K. Hashimoto, S. Ikawa, C. Matsuura, T. Fukada, K. Sugimoto and M. Himeno	697–703
Triosidines: novel Maillard reaction products and cross-links from the reaction of triose sugars with lysine and arginine residues <i>Published as BJ Immediate Publication 14 October 2002, DOI 10.1042/BJ20020668</i>	F.J. Tessier, V.M. Monnier, L.M. Sayre and J.A. Kornfield	705–719
Control of human carnitine palmitoyltransferase II gene transcription by peroxisome proliferator-activated receptor through a partially conserved peroxisome proliferator-responsive element <i>Published as BJ Immediate Publication 31 October 2002, DOI 10.1042/BJ20020851</i>	M.J. Barrero, N. Camarero, P.F. Marrero and D. Haro	721–729
Calcium triggers the refolding of <i>Bacillus subtilis</i> chitosanase <i>Published as BJ Immediate Publication 28 October 2002, DOI 10.1042/BJ20021459</i>	A. Colomer-Pallas, Y. Pereira, M.-F. Petit-Glatron and R. Chambert	731–738



Correction

Protein kinase A translocation and insulin secretion in pancreatic β -cells: studies with adenylate cyclase toxin from *Bordetella pertussis* by Z. Gao, R.A. Young, M.T. Trucco, S.R. Greene, E.L. Hewlett, F.M. Matschinsky and B.A. Wolf (volume 368, pp. 397–404, 2002)

739