

Review

- Protein phosphatase 2A: a highly regulated family of serine/threonine phosphatases implicated in cell growth and signalling** 417–439
by V. Janssens and J. Goris

Research Communication

- An uncoupling protein homologue putatively involved in facultative muscle thermogenesis in birds 441–444
S. Raimbault, S. Dridi, F. Denjean, J. Lachuer, E. Couplan, F. Bouillaud, A. Bordas, C. Duchamp, M. Taouis and D. Ricquier

Research Papers

- A stress-responsive glyoxalase I from the parasitic nematode *Onchocerca volvulus* 445–452
A. Sommer, P. Fischer, K. Krause, K. Boettcher, P.M. Brophy, R.D. Walter and E. Liebau
- Study of the structure–activity relationships for the pyrazinamidase (PncA) from *Mycobacterium tuberculosis* 453–458
N. Lemaitre, I. Callebaut, F. Frenois, V. Jarlier and W. Sougakoff
- Haem oxygenase-1: a novel player in cutaneous wound repair and psoriasis? 459–466
C. Hanselmann, C. Mauch and S. Werner
- In vivo* studies of the γ subunit of retinal cGMP-phosphodiesterase with a substitution of tyrosine-84 467–474
S.H. Tsang, C.K. Yamashita, K. Doi, D.J. Salchow, N. Bouvier, M. Mendelsohn, P. Gouras, D.B. Farber and S.P. Goff
- Tobacco-smoke-inducible human haem oxygenase-1 gene expression: role of distinct transcription factors and reactive oxygen intermediates 475–482
F. Favatier and B.S. Polla
- mSiglec-E, a novel mouse CD33-related siglec (sialic acid-binding immunoglobulin-like lectin) that recruits Src homology 2 (SH2)-domain-containing protein tyrosine phosphatases SHP-1 and SHP-2 483–492
Z. Yu, M. Maoui, L. Wu, D. Banville and S.-H. Shen
- Tunicamycin induces ubiquitination and degradation of apolipoprotein B in HepG2 cells 493–501
W. Liao and L. Chan
- Vascular endothelial growth factor-induced prostacyclin production is mediated by a protein kinase C (PKC)-dependent activation of extracellular signal-regulated protein kinase 1 and 2 involving PKC- δ and by mobilization of intracellular Ca^{2+} 503–512
G. Gliki, R. Abu-Ghazaleh, S. Jezequel, C. Wheeler-Jones and I. Zachary
- Regulation of glucose transport in aortic smooth muscle cells by cAMP and cGMP 513–519
C.J. MacKenzie, J.M. Wakefield, F. Cairns, A.F. Dominiczak and G.W. Gould
- Regulation of transverse tubule ecto-ATPase activity in chicken skeletal muscle 521–529
A. Megías, M.M. Martínez-Senac, J. Delgado and A. Saborido
- Nicotinic acid–adenine dinucleotide phosphate (NAADP) elicits specific microsomal Ca^{2+} release from mammalian cells 531–536
A.N.-K. Yusufi, J. Cheng, M.A. Thompson, E.N. Chini and J.P. Grande
- Implication of the proprotein convertases furin, PC5 and PC7 in the cleavage of surface glycoproteins of Hong Kong, Ebola and respiratory syncytial viruses: a comparative analysis with fluorogenic peptides 537–545
A. Basak, M. Zhong, J.S. Munzer, M. Chrétien and N.G. Seidah
- Localization of membrane-type 1 matrix metalloproteinase in caveolae membrane domains 547–553
B. Annabi, M.-P. Lachambre, N. Bousquet-Gagnon, M. Pagé, D. Gingras and R. Béliveau

Role of Ins(1,4,5) P_3 , cADP-ribose and nicotinic acid-adenine dinucleotide phosphate in Ca^{2+} signalling in mouse submandibular acinar cells	A.R. Harmer, D.V. Gallacher and P.M. Smith	555–560
Sarcoplasmic/endoplasmic-reticulum- Ca^{2+} -ATPase-mediated Ca^{2+} reuptake, and non Ins(1,4,5) P_3 receptor inactivation, prevents the activation of macroscopic Ca^{2+} release-activated Ca^{2+} current in the presence of physiological Ca^{2+} buffer in rat basophilic leukaemia-1 cells	D. Bakowski and A.B. Parekh	561–567
Signalling properties of an HIV-encoded angiogenic peptide mimicking vascular endothelial growth factor activity	P. Scheidegger, W. Weiglhofer, S. Suarez, S. Console, J. Waltenberger, M.S. Pepper, R. Jaussi and K. Ballmer-Hofer	569–578
Role of calcium ions in the structure and function of the di-isopropylfluorophosphatase from <i>Loligo vulgaris</i>	J. Hartleib, S. Geschwindner, E.I. Scharff and H. Rüterjans	579–589
Characterization of the mouse metal-regulatory-element-binding proteins, metal element protein-1 and metal regulatory transcription factor-1	O. LaRochelle, G. Stewart, P. Moffatt, V. Tremblay and C. Séguin	591–601
Phosphorylation and desensitization of α_{1D} -adrenergic receptors	J.A. García-Sáinz, F.G. Vázquez-Cuevas and M.T. Romero-Ávila	603–610
Androgen-receptor-specific DNA binding to an element in the first exon of the human secretory component gene	A. Haelens, G. Verrijdt, L. Callewaert, B. Peeters, W. Rombauts and F. Claessens	611–620
Phosphorylation of elongation factor-2 kinase on serine 499 by cAMP-dependent protein kinase induces Ca^{2+} /calmodulin-independent activity	T.A. Diggie, T. Subkhankulova, K.S. Lilley, N. Shikotra, A.E. Willis and N.T. Redpath	621–626
5-Hydroxytryptamine 4(a) receptor expressed in Sf9 cells is palmitoylated in an agonist-dependent manner	E.G. Ponimaskin, M.F.G. Schmidt, M. Heine, U. Bickmeyer and D.W. Richter	627–634
Identification and characterization of DdPDE3, a cGMP-selective phosphodiesterase from <i>Dictyostelium</i>	H. Kuwayama, H. Snippe, M. Derks, J. Roelofs and P.J.M. van Haastert	635–644
Molecular dynamics study of active-site interactions with tetracoordinate transients in acetylcholinesterase and its mutants	I.J. Enyedy, I.M. Kovach and A. Bencsura	645–653
Overexpression of a rat kinase-deficient phosphoinositide 3-kinase, Vps34p, inhibits cathepsin D maturation	P.E. Row, B.J. Reaves, J. Domin, J.P. Luzio and H.W. Davidson	655–661
Recognition sequences and structural elements contribute to shedding susceptibility of membrane proteins	K. Althoff, J. Müllberg, D. Aasland, N. Voltz, K.-J. Kallen, J. Grötzinger and S. Rose-John	663–672
Prenatal and postnatal development of peroxisomal lipid-metabolizing pathways in the mouse	S. Huyghe, M. Casteels, A. Janssen, L. Meulders, G.P. Mannaerts, P.E. Declercq, P.P. van Veldhoven and M. Baes	673–680
Multiple polyamine transport systems on the vacuolar membrane in yeast	H. Tomitori, K. Kashiwagi, T. Asakawa, Y. Kakinuma, A.J. Michael and K. Igarashi	681–688
Cholesterol biosynthesis from lanosterol: molecular cloning, chromosomal localization, functional expression and liver-specific gene regulation of rat sterol Δ^8 -isomerase, a cholesterologenic enzyme with multiple functions	S.-H. Bae, J. Seong and Y.-K. Paik	689–699
Inhibition of hepatitis B virus X gene expression by novel DNA enzymes	R. Goila and A.C. Banerjee	701–708
Cysteine residues in the D-galactose- H^+ symport protein of <i>Escherichia coli</i> : effects of mutagenesis on transport, reaction with <i>N</i> -ethylmaleimide and antibiotic binding	T.P. McDonald and P.J.F. Henderson	709–717
Expression and characterization of recombinant human α -3/4-fucosyltransferase III from <i>Spodoptera frugiperda</i> (Sf9) and <i>Trichoplusia ni</i> (Tn) cells using the baculovirus expression system	V.A. Morais, J. Serpa, A.S. Palma, T. Costa, L. Maranga and J. Costa	719–725

Regulation of mucin gene expression in human tracheobronchial epithelial cells by thyroid hormone	T. Gray, P. Nettesheim, C. Basbaum and J.-S. Koo	727–734
---	--	----------------

Corrections

Role for the microtubule cytoskeleton in GLUT4 vesicle trafficking and in the regulation of insulin-stimulated glucose uptake <i>by</i> L.M. Fletcher, G.I. Welsh, P.B. Oatey and J.M. Tavaré (volume 352, pages 267–276, 2000)		735
A role for the actin cytoskeleton in the hormonal and growth-factor-mediated activation of protein kinase B <i>by</i> K. Peyrollier, E. Hajduch, A. Gray, G.J. Litherland, A.R. Prescott, N.R. Leslie and H.S. Hundal (volume 352, pages 617–622, 2000)		735