

Review Article

- Regulation of serum amyloid A protein expression during the acute-phase response** 489–503
 by L.E. Jensen and A.S. Whitehead

Research Communication

- Kinetics of elementary Ca^{2+} puffs evoked in *Xenopus* oocytes by different $\text{Ins}(1,4,5)\text{P}_3$ receptor agonists J.S. Marchant and I. Parker 505–509

Research Papers

Proteins

- Differences in the autocatalytic cleavage of pro-PC2 and pro-PC3 can be attributed to sequences within the propeptide and Asp³¹⁰ of pro-PC2 K. Scougall, N.A. Taylor, J.L. Jermany, K. Docherty and K.I.J. Shennan 531–537
- Specific alterations in levels of mannose 6-phosphorylated glycoproteins in different neuronal ceroid lipofuscinoses D.E. Sleat, I. Sohar, P.S. Pullarkat, P. Lobel and R.K. Pullarkat 547–551
- MUC5B is a major gel-forming, oligomeric mucin from human salivary gland, respiratory tract and endocervix: identification of glycoforms and C-terminal cleavage C. Wickström, J.R. Davies, G.V. Eriksen, E.C.I. Veerman and I. Carlstedt 685–693
- Isolation and identification of metallothionein isoforms (MT-1 and MT-2) in the rat testis J.S. Suzuki, N. Kodama, A. Molotkov, E. Aoki and C. Tohyama 695–701

Enzymes

- Mutation of tyrosine-194 and lysine-198 in the catalytic site of pig $3\alpha/\beta,20\beta$ -hydroxysteroid dehydrogenase S. Nakajin, N. Takase, S. Ohno, S. Toyoshima and M.E. Baker 553–557
- Plant mitochondrial pyruvate dehydrogenase complex: purification and identification of catalytic components in potato A.H. Millar, C. Knorpp, C.J. Leaver and S.A. Hill 571–576
- Nucleotide binding by the nitrogenase Fe protein: a ³¹P NMR study of ADP and ATP interactions with the Fe protein of *Klebsiella pneumoniae* R.W. Miller, R.R. Eady, C. Gormal, S.A. Fairhurst and B.E. Smith 601–607
- Leishmania major* parasites express cyclophilin isoforms with an unusual interaction with calcineurin C. Rascher, A. Pahl, A. Pecht, K. Brune, W. Solbach and H. Bang 659–667
- A novel family of ubiquitin-specific proteases in chick skeletal muscle with distinct N- and C-terminal extensions S.H. Baek, K.C. Park, J.I. Lee, K.I. Kim, Y.J. Yoo, K. Tanaka, R.T. Baker and C.H. Chung 677–684
- Heterologously expressed inner lipoyl domain of dihydrolipoyl acetyltransferase inhibits ATP-dependent inactivation of pyruvate dehydrogenase complex. Identification of important amino acid residues J.C. Jackson, C.C. Vinluan, C.J. Dragland, V. Sundararajan, B. Yan, J.S. Gounarides, N.R. Nirmala, S. Topiol, P. Ramage, J.E. Blume, T.D. Aicher, P.A. Bell and W.R. Mann 703–711

Carbohydrates and lipids

- Channelling of intermediates in the biosynthesis of phosphatidylcholine and phosphatidylethanolamine in mammalian cells B.A. Bladergroen, M.J.H. Geelen, A.Ch.P. Reddy, P.E. Declercq and L.M.G. van Golde 511–517
- Structural determination of a 5-O-methyl-deaminated neuraminic acid (Kdn)-containing polysaccharide isolated from *Sinorhizobium fredii* A.M. Gil-Serrano, M.A. Rodríguez-Carvajal, P. Tejero-Mateo, J.L. Espartero, J. Thomas-Oates, J.E. Ruiz-Sainz and A.M. Buendía-Clavería 585–594

Gene structure and expression

- Hepatocyte nuclear factor 6: organization and chromosomal assignment of the rat gene and characterization of its promoter M. Rastegar, C. Szpirer, G.G. Rousseau and F.P. Lemaigre 565–569

An array of binding sites for hepatocyte nuclear factor 4 of high and low affinities modulates the liver-specific enhancer for the human α_1 -microglobulin/bikunin precursor	P. Rouet, G. Raguenez, P. Ruminy and J.-P. Salier	577–584
Structure and organization of the human Theta-class glutathione S-transferase and α -dopachrome tautomerase gene complex	M. Coggan, L. Whitbread, A. Whittington and P. Board	617–623
Mechanism for basal expression of rat mitochondrial branched-chain-2-oxo-acid dehydrogenase	Y.-S. Huang and D.T. Chuang	713–722
Regulation of metabolism		
Thyroid hormone regulation of the Na ⁺ /glucose cotransporter SGLT1 in Caco-2 cells	M. Matosin-Matekalo, J.E. Mesonero, O. Delezay, J.C. Poiree, A.A. Ilundian and E. Brot-Laroche	633–640
Neuropeptide regulation of biosynthesis of the juvenoid, methyl farnesoate, in the edible crab, <i>Cancer pagurus</i>	G. Wainwright, S.G. Webster and H.H. Rees	651–657
Membranes and bioenergetics		
Increased choline transport in erythrocytes from mice infected with the malaria parasite <i>Plasmodium vinckei vinckei</i>	H.M. Staines and K. Kirk	525–530
ATP-dependent transport of reduced glutathione in yeast secretory vesicles	J.F. Rebbeor, G.C. Connolly, M.E. Dumont and N. Ballatori	723–729
Prodigosins uncouple lysosomal vacuolar-type ATPase through promotion of H ⁺ /Cl ⁻ symport	S. Ohkuma, T. Sato, M. Okamoto, H. Matsuya, K. Arai, T. Kataoka, K. Nagai and H.H. Wasserman	731–741
Receptors and signal transduction		
Restricting mobility of G _s α relative to the β_2 -adrenoceptor enhances adenylate cyclase activity by reducing G _s α GTPase activity	K. Wenzel-Seifert, T.W. Lee, R. Seifert and B.K. Kobilka	519–524
Muscle-specific mRNA isoform encodes a protein composed mainly of the N-terminal 175 residues of type 2 Ins(1,4,5)P ₃ receptor	A. Futatsugi, G. Kuwajima and K. Mikoshiba	559–563
Insulin stimulates the tyrosine dephosphorylation of docking protein p130 ^{cas} (Crk-associated substrate), promoting the switch of the adaptor protein Crk from p130 ^{cas} to newly phosphorylated insulin receptor substrate-1	A. Sorokin and E. Reed	595–600
Tyrosine-phosphorylation-dependent and Rho-protein-mediated control of cellular phosphatidylinositol 4,5-bisphosphate levels	U. Rumenapp, M. Schmidt, S. Olesch, S. Ott, C. von Eichel-Streiber and K.H. Jakobs	625–631
Intracellular calcium mobilization and phospholipid degradation in sphingosylphosphorylcholine-stimulated human airway epithelial cells	S. Orlati, A.M. Porcelli, S. Hrelia, A. Lorenzini and M. Rugolo	641–649
Effects of ethanol on mitogen-activated protein kinase and stress-activated protein kinase cascades in normal and regenerating liver	J. Chen, E.J.N. Ishac, P. Dent, G. Kunos and B. Gao	669–676
Cell biology and development		
Species barrier in prion diseases: a kinetic interpretation based on the conformational adaptation of the prion protein	N. Kellershohn and M. Laurent	539–545
Human and mouse Gpi1p homologues restore glycosylphosphatidylinositol membrane anchor biosynthesis in yeast mutants	A. Tiede, J. Schubert, C. Nischan, I. Jensen, B. Westfall, C.H. Taron, P. Orlean and R.E. Schmidt	609–616
Correction		
Iron loading of isolated rat hepatocytes inhibits asialoglycoprotein receptor dynamics and induces formation of rat hepatic lectin-1 (RHL-1) oligomers by D.D. McAbee, Y.Y. Ling and C. Stich (volume 331, pages 719–726, 1998)		743