

Reviews

- Arginine metabolism: nitric oxide and beyond** 1–17
 by G. Wu and S.M. Morris, Jr.
- Specific features of glycogen metabolism in the liver** 19–31
 by M. Bollen, S. Keppens and W. Stalmans

Research Communication

- Sterol carrier protein 2 participates in hypersecretion of biliary cholesterol during gallstone formation in genetically gallstone-susceptible mice M. Fuchs, F. Lammert, D.Q.-H. Wang, B. Paigen, M.C. Carey and D.E. Cohen 33–37

Research Papers

Enzymes

- Mechanism-based inhibition of monoamine oxidase by 3-aryl- Δ^3 -pyrrolines C.H. Williams and J. Lawson 63–67
- Structural and functional properties of a yeast xylitol dehydrogenase, a Zn²⁺-containing metalloenzyme similar to medium-chain sorbitol dehydrogenases R. Lunzer, Y. Mamnun, D. Haltrich, K.D. Kulbe and B. Nidetzky 91–99
- Firefly luciferase has two nucleotide binding sites: effect of nucleoside monophosphate and CoA on the light-emission spectra J.-P. Steghens, K.-L. Min and J.-C. Bernengo 109–113
- Kinetic isotope effects of peptidylglycine α -hydroxylating mono-oxygenase reaction K. Takahashi, T. Onami and M. Noguchi 131–137
- Identification of Glu-120 as the catalytic nucleophile in *Streptomyces lividans* endoglucanase CelB D.L. Zechel, S. He, C. Dupont and S.G. Withers 139–145
- An aggrecan-degrading activity associated with chondrocyte membranes C.J. Billington, I.M. Clark and T.E. Cawston 207–212
- Recombinant human glutathione S-transferases catalyse enzymic isomerization of 13-*cis*-retinoic acid to all-*trans*-retinoic acid *in vitro* H. Chen and M.R. Juchau 223–226

Carbohydrates and lipids

- Polyunsaturated fatty acid enrichment enhances endothelial cell-induced low-density-lipoprotein peroxidation G. Mazière, F. Dantin, M.A. Conte, J. Degonville, D. Ali, F. Dubois and J.C. Mazière 57–62
- Immunological detection of fructated proteins *in vitro* and *in vivo* N. Miyazawa, Y. Kawasaki, J. Fujii, M. Theingi, A. Hoshi, R. Hamaoka, A. Matsumoto, N. Uozumi, T. Teshima and N. Taniguchi 101–107
- Partial purification of heparanase activities in Chinese hamster ovary cells: evidence for multiple intracellular heparanases K.J. Bame, A. Hassall, C. Sanderson, I. Venkatesan and C. Sun 191–200

Gene structure and expression

- Regulation of mammalian pyruvate dehydrogenase α subunit gene expression by glucose in HepG2 cells J. Tan, H.-S. Yang and M.S. Patel 49–56
- Characterization of the human proline/arginine-rich end leucine-rich repeat protein (PRELP) gene promoter and identification of a repressor element J. Grover and P.J. Roughley 77–82
- CCAAT/enhancer binding protein regulates the promoter activity of the rat GLUT2 glucose transporter gene in liver cells J.-w. Kim and Y.-h. Ahn 83–90
- Two HNF-1 binding sites govern the glucose repression of the human sucrase-isomaltase promoter A. Rodolosse, V. Carriere, M. Rousset and M. Lacasa 115–123

cAMP-response-element-binding-protein-binding protein (CBP) and p300 are transcriptional co-activators of early growth response factor-1 (Egr-1)	E.S. Silverman, J. Du, A.J. Williams, R. Wadgaonkar, J.M. Drazen and T. Collins	183–189
Isolation and characterization of the rat <i>huntingtin</i> promoter	C. Holzmann, W. Mäueler, D. Petersohn, T. Schmidt, G. Thiel, J.T. Epplen and O. Riess	227–234
Regulation of metabolism		
Iron in cytosolic ferritin can be recycled through lysosomal degradation in human fibroblasts	D.C. Radisky and J. Kaplan	201–205
Cholesterol regulates oxysterol binding protein (OSBP) phosphorylation and Golgi localization in Chinese hamster ovary cells: correlation with stimulation of sphingomyelin synthesis by 25-hydroxycholesterol	M.K. Storey, D.M. Byers, H.W. Cook and N.D. Ridgway	247–256
Membranes and bioenergetics		
Membrane topology of the <i>Escherichia coli</i> γ -aminobutyrate transporter: implications on the topography and mechanism of prokaryotic and eukaryotic transporters from the APC superfamily	L.A. Hu and S.C. King	69–76
Proton stoichiometry of the overexpressed uracil symport of the yeast <i>Saccharomyces cerevisiae</i>	A.A. Eddy and P. Hopkins	125–130
Receptors and signal transduction		
Insulin-stimulated kinase from rat fat cells that phosphorylates initiation factor 4E-binding protein 1 on the rapamycin-insensitive site (serine-111)	K.J. Heesom, M.B. Avison, T.A. Diggle and R.M. Denton	39–48
The linear C-terminal regions of epidermal growth factor (EGF) and transforming growth factor- α bind to different epitopes on the human EGF receptor	A.E.G. Lenferink, A.D.G. de Roos, M.J.H. van Vugt, M.L.M. van de Poll and E.J.J. van Zoelen	147–151
Insulin-mimetic signalling of synthetic phosphoinositolglycans in isolated rat adipocytes	W. Frick, A. Bauer, J. Bauer, S. Wied and G. Müller	163–181
Cloning of an intracellular protein that binds selectively to mitogenic acidic fibroblast growth factor	E. Kolpakova, A. Więdołcha, H. Stenmark, O. Klingenberg, P.Ø. Falnes and S. Olsnes	213–222
Protein tyrosine phosphatase PTP-S binds to the juxtamembrane region of the hepatocyte growth factor receptor Met	E. Villa-Moruzzi, F. Puntoni, A. Bardelli, E. Vigna, S. De Rosa and P.M. Comoglio	235–239
The activation of protein kinase B by H ₂ O ₂ or heat shock is mediated by phosphoinositide 3-kinase and not by mitogen-activated protein kinase-activated protein kinase-2	M. Shaw, P. Cohen and D.R. Alessi	241–246
Cell biology and development		
Determinants in the cytoplasmic domain of P-selectin required for sorting to secretory granules	P.W. Modderman, E.A. Beuling, L.A.T. Govers, J. Calafat, H. Janssen, A.E.G.Kr. Von Dem Borne and A. Sonnenberg	153–161