

**Research Communications**

- The soluble sperm factor that causes Ca<sup>2+</sup> release from sea-urchin (*Lytechinus pictus*) egg homogenates also triggers Ca<sup>2+</sup> oscillations after injection into mouse eggs J. Parrington, K.T. Jones, F.A. Lai and K. Swann 1–4
- Acyl phosphatase activity of NO-inhibited glyceraldehyde-3-phosphate dehydrogenase (GAPDH): a potential mechanism for uncoupling glycolysis from ATP generation in NO-producing cells J.E. Albina, B. Mastrofrancesco and J.S. Reichner 5–9
- A conserved RGD (Arg-Gly-Asp) motif in the transferrin receptor is required for binding to transferrin V. Dubljevic, A. Sali and J.W. Goding 11–14

**Research Papers****Proteins**

- Identification of human complement Factor H as a ligand for L-selectin R. Malhotra, M. Ward, R.B. Sim and M.I. Bird 61–69
- A monomer–dimer equilibrium modulates the interaction of the sunflower homeodomain leucine-zipper protein Hahb-4 with DNA C.M. Palena, D.H. Gonzalez and R.L. Chan 81–87
- Chemical cleavage of the overexpressed mitochondrial F<sub>1</sub>β precursor with CNBr: a new strategy to construct an import-competent preprotein P.F. Pavlov, P. Moberg, X.-P. Zhang and E. Glaser 95–103
- The N-terminal segment of endothelin-converting enzyme (ECE)-1b contains a di-leucine motif that can redirect neprilysin to an intracellular compartment in Madin–Darby canine kidney (MDCK) cells F. Cailler, J.P. Zappulla, G. Boileau and P. Crine 119–126
- Purification, characterization and cDNA cloning of a phospholipase A<sub>2</sub> inhibitor from the serum of the non-venomous snake *Elaphe quadrivirgata* K. Okumura, K. Masui, S. Inoue, K. Ikeda and K. Hayashi 165–171
- The influence of epitope availability on atomic-force microscope studies of antigen–antibody interactions S. Allen, J. Davies, M.C. Davies, A.C. Dawkes, C.J. Roberts, S.J.B. Tendler and P.M. Williams 173–178
- Characterization of the Ca<sup>2+</sup>-dependent binding of annexin IV to surfactant protein A H. Sohma, C.E. Creutz, M. Saitoh, H. Sano, Y. Kuroki, D.R. Voelker and T. Akino 203–209

**Enzymes**

- A single point mutation leads to an instability of the hetero-octameric structure of yeast phosphofructokinase J. Kirchberger, A. Edelmann, G. Kopperschläger and J.J. Heinisch 15–23
- Intramolecular chaperone and inhibitor activities of a propeptide from a bacterial zinc aminopeptidase S. Nirasawa, Y. Nakajima, Z.-Z. Zhang, M. Yoshida and K. Hayashi 25–31
- Kinetic and inhibition studies on substrate channelling in the bifunctional enzyme catalysing C-terminal amidation A.B. Moore and S.W. May 33–40
- Molecular cloning of aryl-alcohol oxidase from the fungus *Pleurotus eryngii*, an enzyme involved in lignin degradation E. Varela, A.T. Martínez and M.J. Martínez 113–117

An aromatic, but not a basic, residue is involved in the toxicity of group-II phospholipase A <sub>2</sub> neurotoxins	J. Pungerčar, I. Križaj, N.-S. Liang and F. Gubenšek	139–145
The DmpA aminopeptidase from <i>Ochrobactrum anthropi</i> LMG7991 is the prototype of a new terminal nucleophile hydrolase family	L. Fanuel, C. Goffin, A. Cheggour, B. Devreese, G. Van Driessche, B. Joris, J. Van Beeumen and J.-M. Frère	147–155
Processing of normal lysosomal and mutant <i>N</i> -acetylgalactosamine 4-sulphatase: BiP (immunoglobulin heavy-chain binding protein) may interact with critical protein contact sites	T.M. Bradford, M.-J. Gething, R. Davey, J.J. Hopwood and D.A. Brooks	193–201
<b>Gene structure and expression</b>		
Identification and expression of Pen c 2, a novel allergen from <i>Penicillium citrinum</i>	L.-P. Chow, N.-Y. Su, C.-J. Yu, B.-L. Chiang and H.-D. Shen	51–59
Molecular cloning of the cDNA coding for mouse aldehyde oxidase: tissue distribution and regulation <i>in vivo</i> by testosterone	M. Kurosaki, S. Demontis, M.M. Barzago, E. Garattini and M. Terao	71–80
Structural defects of a Pax8 mutant that give rise to congenital hypothyroidism	G. Tell, L. Pellizari, G. Esposito, C. Pucillo, P.E. Macchia, R. Di Lauro and G. Damante	89–93
Induction of the multispecific organic anion transporter ( <i>cMoat/mrp2</i> ) gene and biliary glutathione secretion by the herbicide 2,4,5-trichlorophenoxyacetic acid in the mouse liver	A.M. Wielandt, V. Vollrath, M. Manzano, S. Miranda, L. Accatino and J. Chianale	105–111
<b>Regulation of metabolism</b>		
Co-ordinate variations in methylmalonyl-CoA mutase and methionine synthase, and the cobalamin cofactors in human glioma cells during nitrous oxide exposure and the subsequent recovery phase	B. Riedel, T. Fiskerstrand, H. Refsum and P.M. Ueland	133–138
Induction of gadd153 mRNA by nutrient deprivation is overcome by glutamine	Q. Huang, S.S. Lau and T.J. Monks	225–231
<b>Membranes and bioenergetics</b>		
Chloroplast thioredoxin mutants without active-site cysteines facilitate the reduction of the regulatory disulphide bridge on the $\gamma$ -subunit of chloroplast ATP synthase	M.T. Stumpp, K. Motohashi and T. Hisabori	157–163
<b>Receptors and signal transduction</b>		
Stimulation of <i>Drosophila</i> TrpL by capacitative Ca <sup>2+</sup> entry	M. Estacion, W.G. Sinkins and W.P. Schilling	41–49
Identification of Tyr-703 and Tyr-936 as the primary association sites for Grb2 and Grb7 in the c-Kit/stem cell factor receptor	K. Thömmes, J. Lennartsson, M. Carlsberg and L. Rönnstrand	211–216
Angiotensin II stimulates serine phosphorylation of the adaptor protein Nck: physical association with the serine/threonine kinases Pak1 and casein kinase I	L. Voisin, L. Larose and S. Meloche	217–223
<b>Cell biology and development</b>		
Evidence that cyclophilin-A protects cells against oxidative stress	V. Doyle, S. Virji and M. Crompton	127–132
Doc2 is not associated with known regulated exocytotic or endosomal compartments in adrenal chromaffin cells	N. Charvin, G. Williams and R.D. Burgoyne	179–183
ADP ribosylation factor 1 mutants identify a phospholipase D effector region and reveal that phospholipase D participates in lysosomal secretion but is not sufficient for recruitment of coatamer I	D.H. Jones, B. Bax, A. Fensome and S. Cockcroft	185–192