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**Review**

The transcriptional regulation of the preproenkephalin gene  
by G. Weisinger

617–629

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**Proteins**

Glutathione-mediated transfer of Cu(I) into phytochelatins

R.K. Mehra and P. Mulchandani

697–705

Volume-activated chloride currents are not correlated with  
P-glycoprotein expression

C. de Greef, J. Seherer, F. Viana, K. van Acker,  
J. Eggermont, L. Mertens, L. Raeymaekers, G. Droogmans  
and B. Nilius

713–718

EPR spectroscopic characterization of the iron–sulphur proteins  
and cytochrome *P*-450 in mitochondria from the insect *Spodoptera*  
*littoralis* (cotton leafworm)

J.K. Shergill, R. Cammack, J.-H. Chen, M.J. Fisher,  
S. Madden and H.H. Rees

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Localization of the N-terminal and C-terminal ends of triadin with  
respect to the sarcoplasmic reticulum membrane of rabbit skeletal  
muscle

I. Marty, M. Robert, M. Ronjat, I. Bally, G. Arlaud and  
M. Villaz

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Alloxan-diabetes alters kinetic properties of the membrane-bound  
form, but not of the soluble form, of acetylcholinesterase in rat  
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M.A. Khandkar, E. Mukherjee, D.V. Parmar and  
S.S. Katyare

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An internally quenched fluorogenic substrate of prohormone  
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inhibitor

F. Jean, A. Basak, J. Dimasio, N.G. Seidah and C. Lazure

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The role of the novel disulphide ring in the active site of the  
quinoprotein methanol dehydrogenase from *Methylobacterium*  
*extorquens*

A. Avezoux, M.G. Goodwin and C. Anthony

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A pepstatin-insensitive aspartic proteinase from a thermophilic  
*Bacillus* sp.

H.S. Toogood, M. Prescott and R.M. Daniel

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Characterization of a regulated form of phospholipase D in the  
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K.M. Ella, J.W. Dolan and K.E. Meier

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Purification and characterization of a novel phosphoenolpyruvate  
carboxylase from banana fruit

R.D. Law and W.C. Plaxton

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Specific binding of urinary-type plasminogen activator (u-PA) to  
vitronectin and its role in mediating u-PA-dependent adhesion of  
U937 cells

T.L. Moser, J.J. Enghild, S.V. Pizzo and M.S. Stack

867–873

**Carbohydrates and lipids**

Proteoglycan production by human glomerular visceral epithelial  
cells and mesangial cells *in vitro*

N.F. van Det, J. van den Born, J.T. Tamsma,  
N.A.M. Verhagen, L.P.W.J. van den Heuvel, J.H.M. Berden,  
J.A. Bruijn, M.R. Daha and F.J. van der Woude

759–768

Hydrophobic glycosides of *N*-acetylglucosamine can act as primers  
for polyactosamine synthesis and can affect glycolipid synthesis  
*in vivo*

D.C.A. Neville, R.A. Field and M.A.J. Ferguson

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**Gene structure and expression**

Substitution of aspartic acid for glycine at position 310 in type II  
collagen produces achondrogenesis II, and substitution of serine  
at position 805 produces hypochondrogenesis: analysis of  
genotype–phenotype relationships

J. Bonaventure, L. Cohen-Solal, P. Ritvaniemi, L. Van  
Maldergem, N. Kadhorn, A.-L. Delezoide, P. Maroteaux,  
D.J. Prockop and L. Ala-Kokko

823–830

Cloning and analysis of monkey fertilin reveals novel  $\alpha$  subunit  
isoforms

A.C.F. Perry, P.M. Gichuhi, R. Jones and L. Hall

843–850

**Regulation of metabolism**

Increase in levels of polyubiquitin and proteasome mRNA in skeletal  
muscle during starvation and denervation atrophy

R. Medina, S.S. Wing and A.L. Goldberg

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Increase in ubiquitin-protein conjugates concomitant with the increase in proteolysis in rat skeletal muscle during starvation and atrophy denervation	S.S. Wing, A.L. Haas and A.L. Goldberg	<b>639-645</b>
The role of the sensory peptide calcitonin-gene-related peptide(s) in skeletal muscle carbohydrate metabolism: effects of capsaicin and resiniferatoxin	B. Leighton and E.A. Foot	<b>707-712</b>
<b>Membranes and bioenergetics</b>		
Enhanced complement susceptibility of avidin-biotin-treated human erythrocytes in a consequence of neutralization of the complement regulators CD59 and decay accelerating factor	A.B. Zaltzman, C.W. Van den Berg, V.R. Muzykantov and B.P. Morgan	<b>651-656</b>
The mechanism for the ATP-induced uncoupling of respiration in mitochondria of the yeast <i>Saccharomyces cerevisiae</i>	S. Prieto, F. Bouillaud and E. Rial	<b>657-661</b>
<b>Receptors and signal transduction</b>		
G-protein regulation of capacitative calcium entry may be mediated by protein kinases A and C in <i>Xenopus</i> oocytes	C.C.H. Petersen and M.J. Berridge	<b>663-668</b>
Expression of haemopexin receptors by cultured human cytotrophoblast	H.P. van Dijk, M.J. Kroos, J.S. Starreveld, H.G. van Eijk, S.-P. Tang, D.-X. Song and U. Muller-Eberhard	<b>669-672</b>
Isolation and characterization of an avian A <sub>1</sub> adenosine receptor gene and a related cDNA clone	J.S. Aguilar, F. Tan, I. Durand and R.D. Green	<b>729-734</b>
Regulation of lysophosphatidic acid-stimulated tyrosine phosphorylation of mitogen-activated protein kinase by protein kinase C- and pertussis toxin-dependent pathways in the endothelial cell line EAhy 926	A. McLees, A. Graham, K. Malarkey, G.W. Gould and R. Plevin	<b>743-748</b>
Thapsigargin-sensitive Ca <sup>2+</sup> -ATPases account for Ca <sup>2+</sup> uptake to inositol 1,4,5-trisphosphate-sensitive and caffeine-sensitive Ca <sup>2+</sup> stores in adrenal chromaffin cells	J.-C.J. Poulsen, C. Caspersen, D. Mathiasen, J.M. East, R.E.A. Tunwell, F.A. Lai, N. Maeda, K. Mikoshiba and M. Treiman	<b>749-758</b>
Densitization and resensitization of human platelets to 5-hydroxytryptamine at the level of signal transduction	P. Roevens and D. De Chaffoy De Courcelles	<b>775-782</b>
Stimulation of hyaluronan biosynthesis by platelet-derived growth factor-BB and transforming growth factor- $\beta$ 1 involves activation of protein kinase C	M. Suzuki, T. Asplund, H. Yamashita, C.-H. Heldin and P. Heldin	<b>817-821</b>
Thyroid hormone regulation of transmembrane signalling in neonatal rat ventricular myocytes by selective alteration of the expression and coupling of G-protein $\alpha$ -subunits	S.W. Bahouth	<b>831-841</b>
Metabotropic glutamate receptor analogues inhibit p[NH]ppG-stimulated phospholipase C activity in bovine brain coated vesicles: involvement of a pertussis toxin-sensitive G-protein	M. Martín, J.M. Sanz, M. Ros and A. Cubero	<b>851-857</b>
Trypsin digestion of the inositol trisphosphate receptor: implications for the conformation and domain organization of the protein	S.K. Joseph, S. Pierson and S. Samanta	<b>859-865</b>
<b>Cell biology and development</b>		
Stimulation of sulphated glycosaminoglycan and decorin production in adult dermal fibroblasts by recombinant human interleukin-4	Y. Wegrowski, V. Paltot, P. Gillery, B. Kalis, A. Randoux and F.-X. Maquart	<b>673-678</b>
The translocation, folding, assembly and redox-dependent degradation of secretory and membrane proteins in semi-permeabilized mammalian cells	R. Wilson, A.J. Allen, J. Oliver, J.L. Brookman, S. High and N.J. Bulleid	<b>679-687</b>
<b>BJ Letters</b>		
Limitations of the octadecylrhodamine dequenching assay for membrane fusion	T. Stegmann, J.G. Orsel, J.D. Jamieson and P.J. Padfield	<b>875-876</b>
Measurement of fusion between pancreatic zymogen granules and plasma membrane <i>in vitro</i>	J.M. Edwardson	<b>876-878</b>

**Correction**

$\mu$ -Opioids activate phospholipase C in SH-SY5Y human neuroblastoma cells via calcium-channel opening  
by D. Smart, G. Smith and D.G. Lambert (volume 305, pages 577–582, 1995)

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