

## Review Article

### Kinetoplastid glucose transporters

by E. Tetaud, M.P. Barrett, F. Bringaud and T. Baltz

569–580

## Research Communications

ADP-ribosylation-factor-regulated phospholipase D activity localizes to secretory vesicles and mobilizes to the plasma membrane following *N*-formylmethionyl-leucyl-phenylalanine stimulation of human neutrophils

C.P. Morgan, H. Sengelov, J. Whatmore, N. Borregaard and S. Cockcroft

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A critical amino acid residue, Asp<sup>446</sup>, in UDP-glucuronosyltransferase

H. Iwano, H. Yokota, S. Ohgiya, N. Yotumoto and A. Yuasa

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## Research Papers

### Proteins

Accumulation of pro-apolipoprotein A-II in mouse senile amyloid fibrils

K. Higuchi, K. Kogishi, J. Wang, C. Xia, T. Chiba, T. Matsushita and M. Hosokawa

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Direct ESR detection of peroxynitrite-induced tyrosine-centred protein radicals in human blood plasma

D. Pietraforte and M. Minetti

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Haemolytic activity of stonustoxin from stonefish (*Synanceja horrida*) venom: pore formation and the role of cationic amino acid residues

D. Chen, R.M. Kini, R. Yuen and H.E. Khoo

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Perturbation of the antigen-binding site and staphylococcal Protein A-binding site of IgG before significant changes in global conformation during denaturation: an equilibrium study

X.-D. Wang, J. Luo, Z.-Q. Guo, J.-M. Zhou and C.-L. Tsou

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### Enzymes

Peptidyl inverse esters of *p*-methoxybenzoic acid: a novel class of potent inactivator of the serine proteases

J. Lynas and B. Walker

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Calcium-binding properties of human erythrocyte calpain

M. Michetti, F. Salamino, R. Minafra, E. Melloni and S. Pontremoli

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Functional role of a distal (3'-phosphate) group of CoA in the recombinant human liver medium-chain acyl-CoA dehydrogenase-catalysed reaction

K.L. Peterson and D.K. Srivastava

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Subcellular localization and purification of a *p*-hydroxy-phenylpyruvate dioxygenase from cultured carrot cells and characterization of the corresponding cDNA

I. Garcia, M. Rodgers, C. Lenne, A. Rolland, A. Sailland and M. Matringe

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Neural regulation of the formation of skeletal muscle phosphorylase kinase holoenzyme in adult and developing rat muscle

D.C. Ng, R.C. Carlsen and D.A. Walsh

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### Gene structure and expression

Evidence for the existence of a pristanoyl-CoA oxidase gene in man

J.C.T. Vanhooren, P. Marynen, G.P. Mannaerts and P.P. van Veldhoven

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Interleukin-6 is necessary, but not sufficient, for induction of the human C-reactive protein gene *in vivo*

B. Weinhold, A. Bader, V. Poli and U. R  ther

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Molecular characterization and expression of *Onchocerca volvulus* glutathione reductase

S. M  ller, T.-W. Gilberger, A.H. Fairlamb and R.D. Walter

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A novel murine *P*-450 gene, *Cyp4a14*, is part of a cluster of *Cyp4a* and *Cyp4b*, but not of *CYP4F*, genes in mouse and humans

Y.M. Heng, C.-W.S. Kuo, P.S. Jones, R. Savory, R.M. Schultz, S.R. Tomlinson, T.J.B. Gray and D.R. Bell

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*Nramp1* locus encodes a 65 kDa interferon- $\gamma$ -inducible protein in murine macrophages

P.G.P. Atkinson, J.M. Blackwell and C.H. Barton **779–786**

### Regulation of metabolism

Biosynthesis of mycothiol: elucidation of the sequence of steps in *Mycobacterium smegmatis*

C. Bornemann, M.A. Jardine, H.S.C. Spies and D.J. Steenkamp **623–629**

Involvement of glucokinase translocation in the mechanism by which resorcinol inhibits glycolysis in hepatocytes

L. Agius **667–673**

Decreased secretion of very-low-density lipoprotein triacylglycerol and apolipoprotein B is associated with decreased intracellular triacylglycerol lipolysis in hepatocytes derived from rats fed orotic acid or *n*–3 fatty acids

A.-M. Hebbachi, M.C.L. Seelaender, P.W. Baker and G.F. Gibbons **711–719**

### Membranes and bioenergetics

The arachidonate-activatable, NADPH oxidase-associated H<sup>+</sup> channel is contained within the multi-membrane-spanning N-terminal region of gp91-*phox*

L.M. Henderson, S. Thomas, G. Banting and J.B. Chappell **701–705**

Identification and characterization of two distinct intracellular GLUT4 pools in rat skeletal muscle: evidence for an endosomal and an insulin-sensitive GLUT4 compartment

J.C. Aledo, L. Lavoie, A. Volchuk, S.R. Keller, A. Klip and H.S. Hundal **727–732**

### Receptors and signal transduction

Role of Ca<sup>2+</sup> and protein kinase C in the receptor-mediated activation of Na<sup>+</sup>/H<sup>+</sup> exchange in isolated liver cells

A. Martín-Requero, F.J. Daza, O.G. Hermida, N. Butta and R. Parrilla **631–636**

Characterization of the intracellular signalling pathways that underlie growth-factor-stimulated glucose transport in *Xenopus* oocytes: evidence for *ras*, and *rho*-dependent pathways of phosphatidylinositol 3-kinase activation

F.J. Thomson, T.J. Jess, C. Moyes, R. Plevin and G.W. Gould **637–643**

Effect of adenine nucleotides on *myo*-inositol-1,4,5-trisphosphate-induced calcium release

L. Missiaen, J.B. Parys, H. de Smedt, I. Sienaert, H. Sipma, S. Vanlingen, K. Maes and R. Casteels **661–666**

Evidence for the formation of a heterotrimeric complex of leukaemia inhibitory factor with its receptor subunits in solution

J.-G. Zhang, C.M. Owczarek, L.D. Ward, G.J. Howlett, L.J. Fabri, B.A. Roberts and N.A. Nicola **693–700**

Up-regulation of the levels of expression and function of a constitutively active mutant of the hamster  $\alpha_{1B}$ -adrenoceptor by ligands that act as inverse agonists

T.W. Lee, S. Cotecchia and G. Milligan **733–739**

Parallel changes in nuclear and cytosolic calcium in mouse pancreatic  $\beta$ -cells

G.R. Brown, M. Köhler and P.-O. Berggren **771–778**

Modulation of protein kinase C by endogenous sphingosine: inhibition of phorbol dibutyrate binding in Niemann–Pick C fibroblasts

C. Rodriguez-Lafrasse, R. Rousson, S. Valla, P. Antignac, P. Louisot and M.T. Vanier **787–791**

Cell stress-induced phosphorylation of ATF2 and c-Jun transcription factors in rat ventricular myocytes

A. Clerk and P.H. Sugden **801–810**

### Cell biology and development

Analysis of the endoplasmic reticular Ca<sup>2+</sup> requirement for  $\alpha_1$ -antitrypsin processing and transport competence

G.R. Cooper, C.O. Brostrom and M.A. Brostrom **601–608**

### BJ Letters

Carnitine palmitoyltransferase and acyl-coA binding protein: two more players in the membrane phospholipid fatty acid turnover of human red cells?

A. Arduini, M. Bressan, F. Sciarroni, S. Dottori, M. Calvani and R.R. Ramsay **811–812**

Acyl-CoA binding protein (ACBP) in the human red-cell

H. Fyrt and F.A. Kuypers **812–814**

Inhibition of the membrane protein PC-1 by commercial acidic fibroblast growth factor is due to a non-protein contaminant

C. Stefan, W. Stalmans and M. Bollen **814**

### Corrections

DNA polymerase  $\beta$ : analysis of the contributions of tyrosine-271 and asparagine-279 to substrate specificity and fidelity of DNA replication by pre-steady-state kinetics

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by V.S. Kraynov, B.G. Werneburg, X. Zhong, H. Lee, J. Ahn and M.-D. Tsai (volume 323, pages 103–111, 1997)