

Biochemical Journal
Volume 383, part 3
1 November 2004

<http://www.BiochemJ.org>

Subscribing organizations are encouraged to copy and distribute this table of contents for non-commercial purposes

Review

'FAS't inhibition of malaria

*Published as BJ Immediate Publication 18 August 2004,
DOI 10.1042/BJ20041051*

**A. Surolia, T.N.C. Ramya, V. Ramya
and N. Surolia**

401–412

Online Commentary

Dilating the degradome: matrix metalloproteinase 2 (MMP-2) cuts to the heart of the matter
*Published on the Internet 26 October 2004,
DOI 10.1042/BJ20041433
(see accompanying paper pp. 413–418)*

C.M. Overall

e5–e7

Research Papers

Matrix metalloproteinase-2 cleavage of adrenomedullin produces a vasoconstrictor out of a vasodilator
*Published as BJ Immediate Publication 13 August 2004,
DOI 10.1042/BJ20040920*

A. Martínez, H.-R. Oh, E.J. Unsworth, C. Bregonzio, J.M. Saavedra, W.G. Stetler-Stevenson and F. Cuttitta

413–418



Crystal structures of the antitermination factor NusB from *Thermotoga maritima* and implications for RNA binding
*Published as BJ Immediate Publication 27 July 2004,
DOI 10.1042/BJ20040889*

I. Bonin, R. Robelek, H. Benecke, H. Urlaub, A. Bacher, G. Richter and M.C. Wahl

419–428

Disruption of dimerization and substrate phosphorylation inhibit factor inhibiting hypoxia-inducible factor (FIH) activity
*Published as BJ Immediate Publication 8 July 2004,
DOI 10.1042/BJ20040735*

D.E. Lancaster, L.A. McNeill, M.A. McDonough, R.T. Aplin, K.S. Hewitson, C.W. Pugh, P.J. Ratcliffe and C.J. Schofield

429–437



Alternative translation initiation generates a novel isoform of insulin-degrading enzyme targeted to mitochondria
*Published as BJ Immediate Publication 30 July 2004,
DOI 10.1042/BJ20041081*

M.A. Leissring, W. Farris, X. Wu, D.C. Christodoulou, M.C. Haigis, L. Guarente and D.J. Selkoe

439–446

Characterization of a novel low-molecular-mass dual-specificity phosphatase-3 (LDP-3) that enhances activation of JNK and p38
*Published as BJ Immediate Publication 29 July 2004,
DOI 10.1042/BJ20040498*

K. Takagaki, T. Satoh, N. Tanuma, K. Masuda, M. Takekawa, H. Shima and K. Kikuchi

447–455

Cell-penetrating peptides do not cross mitochondrial membranes even when conjugated to a lipophilic cation: evidence against direct passage through phospholipid bilayers
*Published as BJ Immediate Publication 22 July 2004,
DOI 10.1042/BJ20041095*

M.F. Ross, A. Filipovska, R.A.J. Smith, M.J. Gait and M.P. Murphy

457–468

Two new *FUT2* (fucosyltransferase 2 gene) missense polymorphisms, 739G → A and 839T → C, are partly responsible for non-secretor status in a Caucasian population from Northern Portugal
*Published as BJ Immediate Publication 14 July 2004,
DOI 10.1042/BJ20040803*

J. Serpa, N. Mendes, C.A. Reis, L.F. Santos Silva, R. Almeida, J. Le Pendu and L. David

469–474

Vif is an auxiliary factor of the HIV-1 reverse transcriptase and facilitates abasic site bypass
*Published as BJ Immediate Publication 18 August 2004,
DOI 10.1042/BJ20040914*

R. Cancio, S. Spadari and G. Maga

475–482

Reciprocal regulation of glutathione S-transferase spliceforms and the <i>Drosophila</i> c-Jun N-terminal kinase pathway components <i>Published as BJ Immediate Publication</i> 14 July 2004, DOI 10.1042/BJ20040519	R. Udomsinprasert, M.A. Bogoyevitch and A.J. Ketterman	483–490
Structural organization of mitochondrial human complex I: role of the ND4 and ND5 mitochondria-encoded subunits and interaction with prohibitin <i>Published as BJ Immediate Publication</i> 14 July 2004, DOI 10.1042/BJ20040256	I. Bourges, C. Ramus, B. Mousson de Camaret, R. Beugnot, C. Remacle, P. Cardol, G. Hofhaus and J.-P. Issartel	491–499
Cathepsin K: a cysteine protease with unique kinin-degrading properties <i>Published as BJ Immediate Publication</i> 20 July 2004, DOI 10.1042/BJ20040864	E. Godat, F. Lecaille, C. Desmazes, S. Duchêne, E. Weidauer, P. Saftig, D. Brömme, C. Vandier and G. Lalmanach	501–506
Purified recombinant human prosaposin forms oligomers that bind procathepsin D and affect its autoactivation <i>Published as BJ Immediate Publication</i> 16 July 2004, DOI 10.1042/BJ20040175	M.M. Gopalakrishnan, H.-W. Grosch, S. Locatelli-Hoops, N. Werth, E. Smolenová, M. Nettersheim, K. Sandhoff and A. Hasilik	507–515
<i>Brassica juncea</i> 3-hydroxy-3-methylglutaryl (HMG)-CoA synthase 1: expression and characterization of recombinant wild-type and mutant enzymes <i>Published as BJ Immediate Publication</i> 2 July 2004, DOI 10.1042/BJ20040721	D.A. Nagegowda, T.J. Bach and M.-L. Chye	517–527
The NRF-1/α-PAL transcription factor regulates human <i>E2F6</i> promoter activity <i>Published as BJ Immediate Publication</i> 19 July 2004, DOI 10.1042/BJ20040935	Z. Kherrouche, Y. De Launoit and D. Monte	529–536
Maturation of the unusual single-cysteine (XXXCH) mitochondrial c-type cytochromes found in trypanosomatids must occur through a novel biogenesis pathway <i>Published on the Internet</i> 26 October 2004, DOI 10.1042/BJ20040832	J.W.A. Allen, M.L. Ginger and S.J. Ferguson	537–542 
Sulpho-conjugation of ethanol in humans <i>in vivo</i> and by individual sulphotransferase forms <i>in vitro</i> <i>Published as BJ Immediate Publication</i> 29 July 2004, DOI 10.1042/BJ20040925	H. Schneider and H. Glatt	543–549
<i>Staphylococcus aureus</i> DNA ligase: characterization of its kinetics of catalysis and development of a high-throughput screening compatible chemiluminescent hybridization protection assay <i>Published as BJ Immediate Publication</i> 29 July 2004, DOI 10.1042/BJ20040054	S. Gul, R. Brown, E. May, M. Mazzulla, M.G. Smyth, C. Berry, A. Morby and D.J. Powell	551–559
Diminished synthesis of subunit a (ATP6) and altered function of ATP synthase and cytochrome c oxidase due to the mtDNA 2 bp microdeletion of TA at positions 9205 and 9206 <i>Published as BJ Immediate Publication</i> 21 July 2004, DOI 10.1042/BJ20040407	P. Ješina, M. Tesařová, D. Fornůšková, A. Vojtíšková, P. Pecina, V. Kaplanová, H. Hansíková, J. Zeman and J. Houštěk	561–571
The G115S mutation associated with maturity-onset diabetes of the young impairs hepatocyte nuclear factor 4α activities and introduces a PKA phosphorylation site in its DNA-binding domain <i>Published as BJ Immediate Publication</i> 5 July 2004, DOI 10.1042/BJ20040473	B. Oxombre, M. Kouach, E. Moerman, P. Formstecher and B. Laine	573–580
Glycoprotein VI/Fc receptor γ chain-independent tyrosine phosphorylation and activation of murine platelets by collagen <i>Published as BJ Immediate Publication</i> 29 July 2004, DOI 10.1042/BJ20040654	G.E. Jarvis, D. Best and S.P. Watson	581–588
Purification and biochemical characterization of native ERp29 from rat liver <i>Published on the Internet</i> 26 October 2004, DOI 10.1042/BJ20040983	M.J. Hubbard, J.E. Mangum and N.J. McHugh	589–597

Corrections

Gene expression analysis in mitochondria from chagasic mice: alterations in specific metabolic pathways

Distinct roles for insulin and insulin-like growth factor-1 receptors in pancreatic β -cell glucose sensing revealed by RNA silencing

N. Garg, A. Gerstner, V. Bhatia, J. DeFord and
J. Papaconstantinou
(Volume 381, pp. 743–752, 2004)

G. da Silva Xavier, Q. Qian, P.J. Cullen and G.A. Rutter
(Volume 377, pp. 149–158, 2004)

599

599

Index of Authors

PAGE	PAGE	PAGE	PAGE
Allen, J. W. A.	537	Gerstner, A.	599
Almeida, R.	469	Ginger, M. L.	537
Aplin, R. T.	429	Glatt, H.	543
		Godat, E.	501
Bach, T. J.	517	Gopalakrishnan, M. M.	507
Bacher, A.	419	Grosch, H.-W.	507
Benecke, H.	419	Guarente, L.	439
Berry, C.	551	Gul, S.	551
Best, D.	581		
Beugnot, R.	491	Haigis, M. C.	439
Bhatia, V.	599	Hansíková, H.	561
Bogoyevitch, M. A.	483	Hasilik, A.	507
Bonin, I.	419	Hewitson, K. S.	429
Bourges, I.	491	Hofhaus, G.	491
Bregonzio, C.	413	Houštěk, J.	561
Brömmle, D.	501	Hubbard, M. J.	589
Brown, R.	551		
Cancio, R.	475	Issartel, J.-P.	491
Cardol, P.	491		
Christodoulou, D. C.	439	Jarvis, G. E.	581
Chye, M.-L.	517	Ješina, P.	561
Cullen, P. J.	599	Kaplanová, V.	561
Cuttitta, F.	413	Ketterman, A. J.	483
da Silva Xavier, G.	599	Kherrouche, Z.	529
David, L.	469	Kikuchi, K.	447
DeFord, J.	599	Kouach, M.	573
De Launoit, Y.	529		
Desmazes, C.	501	Laine, B.	573
Duchêne, S.	501	Lalmanach, G.	501
Farris, W.	439	Lancaster, D. E.	429
Ferguson, S. J.	537	Lecaille, F.	501
Filipovska, A.	457	Leiressing, M. A.	439
Formstecher, P.	573	Le Pendu, J.	469
Fornůšková, D.	561	Locatelli-Hoops, S.	507
Gait, M. J.	457	Maga, G.	475
Garg, N.	599	Mangum, J. E.	589
		Martínez, A.	413
Masuda, K.	599	May, E.	551
Mazzulla, M.	543	McDonough, M. A.	429
McHugh, N. J.	507	McNeill, L. A.	429
Mendes, N.	439	Murphy, M. P.	457
Moerman, E.	551		
Monte, D.			
Morby, A.	439	Nagegowda, D. A.	517
Mousson de Camaret		Nettersheim, M.	507
Oh, H.-R.	491	Oh, H.-R.	413
Overall, C. M.		Overall, C. M.	e5
Oxombre, B.	561	Oxombre, B.	573
Papaconstantinou, J.		Papaconstantinou, J.	599
Pecina, P.	561	Pecina, P.	561
Powell, D. J.	483	Powell, D. J.	551
Pugh, C. W.	529	Pugh, C. W.	429
Qian, Q.	573	Qian, Q.	599
Ramus, C.	501	Ramus, C.	491
Ramya, T. N. C.	429	Ramya, T. N. C.	401
Ramya, V.	501	Ramya, V.	401
Ratcliffe, P. J.	439	Ratcliffe, P. J.	429
Reis, C. A.	469	Reis, C. A.	469
Remacle, C.	507	Remacle, C.	491
Richter, G.		Richter, G.	419
Robelek, R.	475	Robelek, R.	419
Ross, M. F.	589	Ross, M. F.	457
Rutter, G. A.	413	Rutter, G. A.	599
Saavedra, J. M.	599	Saavedra, J. M.	413
Saftig, P.		Saftig, P.	501
Sandhoff, K.	551	Sandhoff, K.	507
Santos Silva, L. F.	429	Santos Silva, L. F.	469
Satoh, T.	589	Satoh, T.	447
Schneider, H.	429	Schneider, H.	543
Schofield, C. J.	469	Schofield, C. J.	429
Selkoe, D. J.	573	Selkoe, D. J.	439
Serpá, J.	529	Serpá, J.	469
Shima, H.	551	Shima, H.	447
Smith, R. A. J.	491	Smith, R. A. J.	457
Smolenová, E.	561	Smolenová, E.	507
Smyth, M. G.		Smyth, M. G.	551
Spadari, S.	561	Spadari, S.	475
Stetler-Stevenson, W. G.	507	Stetler-Stevenson, W. G.	413
Surolia, A.		Surolia, A.	401
Surolia, N.	561	Surolia, N.	401
Takagaki, K.	573	Takagaki, K.	447
Takekawa, M.		Takekawa, M.	447
Tanuma, N.	599	Tanuma, N.	447
Tesařová, M.	561	Tesařová, M.	561
Udomsinprasert, R.	561	Udomsinprasert, R.	483
Unsworth, E. J.	599	Unsworth, E. J.	413
Urlaub, H.		Urlaub, H.	419
Vandier, C.	561	Vandier, C.	501
Vojtíšková, A.		Vojtíšková, A.	561
Wahl, M. C.	561	Wahl, M. C.	419
Watson, S. P.	561	Watson, S. P.	581
Weidauer, E.	561	Weidauer, E.	501
Werth, N.	561	Werth, N.	507
Wu, X.		Wu, X.	439
Zeman, J.	561	Zeman, J.	561