

Review**Carbohydrate-binding modules: fine-tuning polysaccharide recognition**

Published as *BJ Immediate Publication* 23 June 2004,
DOI 10.1042/BJ20040892

A.B. Boraston, D.N. Bolam, H.J. Gilbert
and G.J. Davies

769–781

Online Commentary

NAD⁺ surfaces again

Published on the Internet 7 September 2004,

DOI 10.1042/BJ20041217

(see accompanying paper pp. 849–856)

M. Ziegler and M. Niere

e5–e6

Research Papers

Human septin–septin interactions as a prerequisite for targeting septin complexes in the cytosol

Published as *BJ Immediate Publication* 23 June 2004,

DOI 10.1042/BJ20040372

C. Martínez, M.A. Sanjuan, J.A. Dent, L. Karlsson
and J. Ware

783–791

Functional analysis of the green fluorescent protein-tagged inositol 1,4,5-trisphosphate receptor type 3 in Ca²⁺ release and entry in DT40 B lymphocytes

Published as *BJ Immediate Publication* 3 June 2004,

DOI 10.1042/BJ20031970

T. Morita, A. Tanimura, A. Nezu, T. Kurosaki and Y. Tojyo

793–801

Exchange protein directly activated by cAMP (EPAC) interacts with the light chain (LC) 2 of MAP1A

Published as *BJ Immediate Publication* 18 June 2004,

DOI 10.1042/BJ20040122

M.M. Magiera, M. Gupta, C.J. Rundell, N. Satish,
I. Ernens and S.J. Yarwood

803–810

Incomplete glycosylation and defective intracellular targeting of mutant solute carrier family 11 member 1 (Slc11a1)

Published as *BJ Immediate Publication* 18 June 2004,

DOI 10.1042/BJ20040808

J.K. White, A. Stewart, J.-F. Popoff, S. Wilson
and J.M. Blackwell

811–819

Solubility–insolubility interconversion of sophoragrin, a mannose/glucose-specific lectin in *Sophora japonica* (Japanese pagoda tree) bark, regulated by the sugar-specific interaction

Published as *BJ Immediate Publication* 28 June 2004,

DOI 10.1042/BJ20040584

H. Ueda, H. Fukushima, Y. Hatanaka and H. Ogawa

821–829

Betaine rescue of an animal model with methylenetetrahydrofolate reductase deficiency

Published as *BJ Immediate Publication* 24 June 2004,

DOI 10.1042/BJ20030822

B.C. Schwahn, M.D. Laryea, Z. Chen, S. Melnyk,
I. Pogribny, T. Garrow, S.J. James and R. Rozen

831–840

Membrane-bound carboxypeptidase E facilitates the entry of eosinophil cationic protein into neuroendocrine cells

Published as *BJ Immediate Publication* 2 July 2004,

DOI 10.1042/BJ20040894

C.-M. Wu, H.-T. Chang and M.D.-T. Chang

841–848

Extracellular NAD⁺ regulates intracellular free calcium concentration in human monocytes

Published as *BJ Immediate Publication* 2 July 2004,

DOI 10.1042/BJ20040979

A. Gerth, K. Nieber, N.J. Oppenheimer and S. Hauschildt

849–856

Inositol phospholipids regulate the guanine-nucleotide-exchange factor Tiam1 by facilitating its binding to the plasma membrane and regulating GDP/GTP exchange on Rac1

Published as *BJ Immediate Publication* 9 July 2004,

DOI 10.1042/BJ20040916

I.N. Fleming, I.H. Batty, A.R. Prescott, A. Gray, G.S. Kular,
H. Stewart and C.P. Downes

857–865



Regulation of transcription by <i>Saccharomyces cerevisiae</i> 14-3-3 proteins <i>Published as BJ Immediate Publication 14 May 2004,</i> <i>DOI 10.1042/BJ20031885</i>	A. Bruckmann, H.Y. Steensma, M.J. Teixeira de Mattos and G.P.H. van Heusden		867–875
Metformin inhibits mitochondrial permeability transition and cell death: a pharmacological <i>in vitro</i> study <i>Published as BJ Immediate Publication 3 June 2004,</i> <i>DOI 10.1042/BJ20040885</i>	B. Guigas, D. Demaille, C. Chauvin, C. Batandier, F. De Oliveira, E. Fontaine and X. Leverve		877–884
Characterization of the ligandin site of maize glutathione S-transferase I <i>Published as BJ Immediate Publication 15 June 2004,</i> <i>DOI 10.1042/BJ20040298</i>	I.A. Axarli, D.J. Rigden and N.E. Labrou		885–893
DNA binding, but not interaction with Bmal1, is responsible for DEC1-mediated transcription regulation of the circadian gene mPer1 <i>Published as BJ Immediate Publication 11 June 2004,</i> <i>DOI 10.1042/BJ20040592</i>	Y. Li, X. Song, Y. Ma, J. Liu, D. Yang and B. Yan		895–904
Novel prenyl-linked benzophenone substrate analogues of mycobacterial mannosyltransferases <i>Published as BJ Immediate Publication 17 June 2004,</i> <i>DOI 10.1042/BJ20040911</i>	M.R. Guy, P.A. Illarionov, S.S. Gurcha, L.G. Dover, K.J.C. Gibson, P.W. Smith, D.E. Minnikin and G.S. Besra		905–912
The nuclear bile acid receptor FXR is activated by PGC-1 α in a ligand-dependent manner <i>Published as BJ Immediate Publication 17 June 2004,</i> <i>DOI 10.1042/BJ20040432</i>	E. Kanaya, T. Shiraki and H. Jingami		913–921
Cytochrome <i>c</i> oxidase subunit IV as a marker of protein kinase C ϵ function in neonatal cardiac myocytes: implications for cytochrome <i>c</i> oxidase activity <i>Published on the Internet 7 September 2004,</i> <i>DOI 10.1042/BJ20040468</i>	M. Ogbi, C.S. Chew, J. Pohl, O. Stuchlik, S. Ogbi and J.A. Johnson		923–932
Mammalian and <i>Drosophila</i> cells adhere to the laminin α 4 LG4 domain through syndecans, but not glypicans <i>Published as BJ Immediate Publication 8 June 2004,</i> <i>DOI 10.1042/BJ20040558</i>	H. Yamashita, A. Goto, T. Kadowaki and Y. Kitagawa		933–943
Metabolic cleavage of cell-penetrating peptides in contact with epithelial models: human calcitonin (hCT)-derived peptides, Tat(47–57) and penetratin(43–58) <i>Published as BJ Immediate Publication 11 June 2004,</i> <i>DOI 10.1042/BJ20040238</i>	R. Tréhin, H.M. Nielsen, H.-G. Jahnke, U. Krauss, A.G. Beck-Sickinger and H.P. Merkle		945–956
The plasma membrane translocation of diacylglycerol kinase δ 1 is negatively regulated by conventional protein kinase C-dependent phosphorylation at Ser-22 and Ser-26 within the pleckstrin homology domain <i>Published as BJ Immediate Publication 1 July 2004,</i> <i>DOI 10.1042/BJ20040681</i>	S.-i. Imai, M. Kai, K. Yamada, H. Kanoh and F. Sakane		957–966
Structural double-mutant cycle analysis of a hydrogen bond network in ketosteroid isomerase from <i>Pseudomonas putida</i> biotype B <i>Published as BJ Immediate Publication 1 July 2004,</i> <i>DOI 10.1042/BJ20031871</i>	D.S. Jang, H.J. Cha, S.-S. Cha, B.H. Hong, N.-C. Ha, J.Y. Lee, B.-H. Oh, H.-S. Lee and K.Y. Choi		967–973
Characterization and functional analysis of the 5'-flanking region of the mouse 20 α -hydroxysteroid dehydrogenase gene <i>Published as BJ Immediate Publication 28 June 2004,</i> <i>DOI 10.1042/BJ20040276</i>	K. Hirabayashi, M. Ishida, M. Suzuki, K. Yamanouchi and M. Nishihara		975–980
Localization of Nox2 N-terminus using polyclonal antipeptide antibodies <i>Published as BJ Immediate Publication 2 July 2004,</i> <i>DOI 10.1042/BJ20040954</i>	M.-H. Paclet, L.M. Henderson, Y. Campion, F. Morel and M.-C. Dagher		981–986

Insertion of the amyloid precursor protein into lipid monolayers: effects of cholesterol and apolipoprotein E <i>Published as BJ Immediate Publication 15 June 2004, DOI 10.1042/BJ20040777</i>	R. Lahdo and L. de La Fournière-Bessueille	987–994
<i>Caenorhabditis elegans</i> triple null mutant lacking UDP- <i>N</i> -acetyl-D-glucosamine:α-3-D-mannoside β1,2- <i>N</i> -acetylglucosaminyltransferase I <i>Published as BJ Immediate Publication 1 July 2004, DOI 10.1042/BJ20040793</i>	S. Zhu, A. Hanneman, V.N. Reinhold, A.M. Spence and H. Schachter	995–1001
Slow-binding inhibitors of prolyl oligopeptidase with different functional groups at the P1 site <i>Published as BJ Immediate Publication 24 June 2004, DOI 10.1042/BJ20040992</i>	J.I. Venäläinen, R.O. Juvonen, J.A. Garcia-Horsman, E.A.A. Wallén, J.A.M. Christiaans, E.M. Jarho, J. Gynther and P.T. Männistö	1003–1008
Transient kinetics of the reaction catalysed by magnesium protoporphyrin IX methyltransferase <i>Published as BJ Immediate Publication 7 July 2004, DOI 10.1042/BJ20040661</i>	M. Shepherd and C.N. Hunter	1009–1013
Myristoylated alanine-rich C kinase substrate (MARCKS) is involved in myoblast fusion through its regulation by protein kinase Cα and calpain proteolytic cleavage <i>Published as BJ Immediate Publication 7 July 2004, DOI 10.1042/BJ20040347</i>	S. Dulong, S. Goudenege, K. Vuillier-Devillers, S. Manenti, S. Poussard and P. Cottin	1015–1023
Basic residues play key roles in catalysis and NADP ⁺ -specificity in maize (<i>Zea mays</i> L.) photosynthetic NADP ⁺ -dependent malic enzyme <i>Published as BJ Immediate Publication 12 July 2004, DOI 10.1042/BJ20040594</i>	E. Detarsio, C.S. Andreo and M.F. Drincovich	1025–1030
Highly sensitive intramolecularly quenched fluorogenic substrates for renin based on the combination of L-2-amino-3-(7-methoxy-4-coumaryl)propionic acid with 2,4-dinitrophenyl groups at various positions <i>Published as BJ Immediate Publication 2 July 2004, DOI 10.1042/BJ20040729</i>	K. Paschalidou, U. Neumann, B. Gerhartz and C. Tzougraki	1031–1038
Correction		
Enzymic and structural characterization of nepenthesin, a unique member of a novel subfamily of aspartic proteinases	S.P.B. Athauda, K. Matsumoto, S. Rajapakshe, M. Kuribayashi, M. Kojima, N. Kubomura-Yoshida, A. Iwamatsu, C. Shibata, H. Inoue and K. Takahashi (Volume 381, pp. 295–306, 2004)	1039