

**Online Commentary**

Filopodia formation and Disabled degradation downstream of Reelin

Published on the Internet 9 November 2004,  
DOI 10.1042/BJ20041588  
(see accompanying paper pp. 1–8)

S.J. Winder

e1–e2

**Research Papers**

Regulation of actin cytoskeleton by mDab1 through N-WASP and ubiquitination of mDab1

Published as BJ Immediate Publication 13 September 2004,  
DOI 10.1042/BJ20041103

S. Suetsugu, T. Tezuka, T. Morimura, M. Hattori,  
K. Mikoshiba, T. Yamamoto and T. Takenawa



1–8

A misassembled transmembrane domain of a polytopic protein associates with signal peptide peptidase

Published as BJ Immediate Publication 16 September 2004,  
DOI 10.1042/BJ20041216

S.G. Crawshaw, B. Martoglio, S.L. Meacock and S. High

9–17

Direct activation of the mitochondrial calcium uniporter by natural plant flavonoids

Published as BJ Immediate Publication 23 August 2004,  
DOI 10.1042/BJ20040990

M. Montero, C.D. Lobatón, E. Hernández-Sanmiguel,  
J. Santodomingo, L. Vay, A. Moreno and J. Alvarez

19–24

Structure, conformation and biological activity of a novel lipodepsipeptide from *Pseudomonas corrugata*: cormycin A

Published as BJ Immediate Publication 15 June 2004,  
DOI 10.1042/BJ20040422

A. Scaloni, M. Dalla Serra, P. Amodeo, L. Mannina,  
R.M. Vitale, A.L. Segre, O. Cruciani, F. Lodovichetti,  
M.L. Greco, A. Fiore, M. Gallo, C. D'Ambrosio,  
M. Coraiola, G. Menestrina, A. Graniti and V. Fogliano



25–36

Ubiquitination of the peroxisomal import receptor Pex5p

Published as BJ Immediate Publication 29 July 2004,  
DOI 10.1042/BJ20040572

H.W. Platta, W. Girzalsky and R. Erdmann

37–45

Characterization of a transport and detoxification pathway for the antitumour drug bleomycin in *Saccharomyces cerevisiae*

Published as BJ Immediate Publication 13 July 2004,  
DOI 10.1042/BJ20040392

M. Aouida, A. Leduc, H. Wang and D. Ramotar

47–58

Effects of deletions at the C-terminus of tobacco acetohydroxyacid synthase on the enzyme activity and cofactor binding

Published as BJ Immediate Publication 22 July 2004,  
DOI 10.1042/BJ20040427

J. Kim, D.-G. Beak, Y.-T. Kim, J.-D. Choi and M.-Y. Yoon

59–68

Two-dimensional IR correlation spectroscopy of mutants of the  $\beta$ -glycosidase from the hyperthermophilic archaeon *Sulfolobus solfataricus* identifies the mechanism of quaternary structure stabilization and unravels the sequence of thermal unfolding events

Published as BJ Immediate Publication 29 July 2004,  
DOI 10.1042/BJ20040646

A. Ausili, B. Di Lauro, B. Cobucci-Ponzano, E. Bertoli,  
A. Scirè, M. Rossi, F. Tanfani and M. Moracci

69–78

<p>The gene encoding human retinoic acid-receptor-related orphan receptor <math>\alpha</math> is a target for hypoxia-inducible factor 1  <i>Published as BJ Immediate Publication 22 July 2004,</i>  <i>DOI 10.1042/BJ20040709</i></p>	<p>C. Chauvet, B. Bois-Joyeux, E. Berra, J. Pouyssegur and J.-L. Danan</p>	<p>79–85</p>
<p>Mutational analysis of histidine residues in human organic anion transporter 4 (hOAT4)  <i>Published as BJ Immediate Publication 4 August 2004,</i>  <i>DOI 10.1042/BJ20040751</i></p>	<p>F. Zhou, Z. Pan, J. Ma and G. You</p>	<p>87–92</p>
<p>NMR characterization of the interaction between the C-terminal domain of interferon-<math>\gamma</math> and heparin-derived oligosaccharides  <i>Published as BJ Immediate Publication 22 July 2004,</i>  <i>DOI 10.1042/BJ20040757</i></p>	<p>C. Vanhaverbeke, J.-P. Simorre, R. Sadir, P. Gans and H. Lortat-Jacob</p>	<p>93–99</p>
<p>Synergistic role of specificity proteins and upstream stimulatory factor 1 in transactivation of the mouse carboxylesterase 2/microsomal acylcarnitine hydrolase gene promoter  <i>Published as BJ Immediate Publication 29 July 2004,</i>  <i>DOI 10.1042/BJ20040765</i></p>	<p>T. Furihata, M. Hosokawa, T. Satoh and K. Chiba</p>	<p>101–110</p>
<p>Distinct classes of glyoxalase I: metal specificity of the <i>Yersinia pestis</i>, <i>Pseudomonas aeruginosa</i> and <i>Neisseria meningitidis</i> enzymes  <i>Published as BJ Immediate Publication 22 July 2004,</i>  <i>DOI 10.1042/BJ20041006</i></p>	<p>N. Sukdeo, S.L. Clugston, E. Daub and J.F. Honek</p>	<p>111–117</p>
<p>Proteomic characterization of two snake venoms: <i>Naja naja atra</i> and <i>Agkistrodon halys</i>  <i>Published as BJ Immediate Publication 29 July 2004,</i>  <i>DOI 10.1042/BJ20040354</i></p>	<p>S. Li, J. Wang, X. Zhang, Y. Ren, N. Wang, K. Zhao, X. Chen, C. Zhao, X. Li, J. Shao, J. Yin, M.B. West, N. Xu and S. Liu</p>	<p>119–127</p>
<p>A novel member of the GCN5-related <i>N</i>-acetyltransferase superfamily from <i>Caenorhabditis elegans</i> preferentially catalyses the <i>N</i>-acetylation of thialysine [S-(2-aminoethyl)-L-cysteine]  <i>Published as BJ Immediate Publication 29 July 2004,</i>  <i>DOI 10.1042/BJ20040789</i></p>	<p>B. Abo-Dalo, D. Ndjonka, F. Pinnen, E. Liebau and K. Lüersen</p>	<p>129–137</p>
<p>Spermidine/spermine-<math>N^1</math>-acetyltransferase-2 (SSAT2) acetylates thialysine and is not involved in polyamine metabolism  <i>Published as BJ Immediate Publication 29 July 2004,</i>  <i>DOI 10.1042/BJ20040790</i></p>	<p>C.S. Coleman, B.A. Stanley, A.D. Jones and A.E. Pegg</p>	<p>139–148</p>
<p>Activation of PPAR<math>\gamma</math> is required for curcumin to induce apoptosis and to inhibit the expression of extracellular matrix genes in hepatic stellate cells <i>in vitro</i>  <i>Published as BJ Immediate Publication 23 August 2004,</i>  <i>DOI 10.1042/BJ20040928</i></p>	<p>S. Zheng and A. Chen</p>	<p>149–157</p>
<p>A crustacean Ca<sup>2+</sup>-binding protein with a glutamate-rich sequence promotes CaCO<sub>3</sub> crystallization  <i>Published as BJ Immediate Publication 9 July 2004,</i>  <i>DOI 10.1042/BJ20041052</i></p>	<p>H. Endo, Y. Takagi, N. Ozaki, T. Kogure and T. Watanabe</p>	<p>159–167</p>
<p>Studies of SpoIIAB mutant proteins elucidate the mechanisms that regulate the developmental transcription factor <math>\sigma^F</math> in <i>Bacillus subtilis</i>  <i>Published as BJ Immediate Publication 5 August 2004,</i>  <i>DOI 10.1042/BJ20040923</i></p>	<p>J.-C. Shu, J. Clarkson and M.D. Yudkin</p>	<p>169–178</p>



---

Guanidinium chloride denaturation of the dimeric <i>Bacillus licheniformis</i> Blal repressor highlights an independent domain unfolding pathway <i>Published as BJ Immediate Publication 30 July 2004, DOI 10.1042/BJ20040658</i>	C. Vreuls, P. Filée, H. Van Melckebeke, T. Aerts, P. De Deyn, G. Llabrès, A. Matagne, J.-P. Simorre, J.-M. Frère and B. Joris	<b>179–190</b>
A newly identified zona pellucida glycoprotein, ZPD, and dimeric ZP1 of chicken egg envelope are involved in sperm activation on sperm–egg interaction <i>Published as BJ Immediate Publication 20 July 2004, DOI 10.1042/BJ20040299</i>	H. Okumura, Y. Kohno, Y. Iwata, H. Mori, N. Aoki, C. Sato, K. Kitajima, D. Nadano and T. Matsuda	<b>191–199</b>