### Reviews

**SIRT3, a pivotal actor in mitochondrial functions: metabolism, cell death and aging**
A. Giralt and F. Villarroya
Published on the Internet 26 April 2012,
doi:10.1042/BJ20120303

**Gibberellin biosynthesis and its regulation**
P. Hedden and S.G. Thomas
Published on the Internet 26 April 2012,
doi:10.1042/BJ20120245

### Online Commentary

Building a better sphingosine kinase-1 inhibitor
K.R. Lynch
Published on the Internet 26 April 2012,
doi:10.1042/BJ20120567
(see accompanying paper, pp. 79–88)

### Research Papers

**Ligand-activated PPARδ inhibits UVB-induced senescence of human keratinocytes via PTEN-mediated inhibition of superoxide production**
Published as BJ Immediate Publication 16 February 2012,
doi:10.1042/BJ20111832

**The role of the Snf1 kinase in the adaptive response of Saccharomyces cerevisiae to alkaline pH stress**
A. Casamayor, R. Serrano, M. Platara, C. Casado, A. Ruiz and J. Aríño
Published as BJ Immediate Publication 28 February 2012,
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**Copper redistribution in murine macrophages in response to Salmonella infection**
Published as BJ Immediate Publication 28 February 2012,
doi:10.1042/BJ20120101

**Longer-acting and highly potent chimaeric inhibitors of excessive exocytosis created with domains from botulinum neurotoxin A and B**
J. Wang, T.H. Zurawski, M.O. Bodeker, J. Meng, S. Bodul, K.R. Aoki and J.O. Dolly
Published as BJ Immediate Publication 23 February 2012,
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**The Bcl-2 proteins Noxa and Bcl-xL co-ordinately regulate oxidative stress-induced apoptosis**
C.O. Eno, G. Zhao, K.E. Olberding and C. Li
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**Modulation of cellular S1P levels with a novel, potent and specific inhibitor of sphingosine kinase-1**
Published as BJ Immediate Publication 8 March 2012,
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**Coronin 1C harbours a second actin-binding site that confers co-operative binding to F-actin**
K.T. Chan, D.W. Roadcap, N. Holoweckyj and J.E. Bear
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**The oligomer plasticity of the small heat-shock protein Lo18 from Oenococcus oeni influences its role in both membrane stabilization and protein protection**
M. Maitre, S. Weidmann, A. Rieu, D. Fenel, G. Schoehn, C. Ebel, J. Coves and J. Guzzo
Published as BJ Immediate Publication 24 February 2012,
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<td>MEF2 is regulated by CaMKIIαδ and a HDAC4–HDAC5 heterodimer in vascular smooth muscle cells</td>
<td>R. Ginnan, L.Y. Sun, J.J. Schwarz and H.A. Singer</td>
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<td>A new validated mathematical model of the Wnt signalling pathway predicts effective combinational therapy by sFRP and Dkk</td>
<td>Y. Kogan, K.E. Halevi-Tobias, G. Hochman, A.K. Baczmanska, L. Leyns and Z. Agur</td>
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<td>Heat-shock proteins attenuate SERCA inactivation by the anti-apoptotic protein Bcl-2: possible implications for the ER Ca(^{2+})-mediated apoptosis</td>
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