

## Research Papers

Cardioprotective 3',4'-dihydroxyflavonol attenuation of JNK and p38<sup>MAPK</sup> signalling involves CaMKII inhibition

*Published as BJ Immediate Publication 16 September 2013,  
doi:10.1042/BJ20121538*

Endoplasmic reticulum-associated ubiquitin-conjugating enzyme Ube2j1 is a novel substrate of MK2 (MAPKAP kinase-2) involved in MK2-mediated TNF $\alpha$  production

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doi:10.1042/BJ20130755*

The ubiquitin–proteasome system regulates the stability and activity of the glucose sensor glucokinase in pancreatic  $\beta$ -cells

*Published as BJ Immediate Publication 12 September 2013,  
doi:10.1042/BJ20130262*

Regulation of trehalase expression inhibits apoptosis in diapause cysts of *Artemia*

*Published as BJ Immediate Publication 25 September 2013,  
doi:10.1042/BJ20131020*

HEXIM1 down-regulates hypoxia-inducible factor-1 $\alpha$  protein stability

*Published as BJ Immediate Publication 10 September 2013,  
doi:10.1042/BJ20130592*

Human junctophilin-2 undergoes a structural rearrangement upon binding PtdIns(3,4,5)P<sub>3</sub> and the S101R mutation identified in hypertrophic cardiomyopathy obviates this response

*Published as BJ Immediate Publication 4 September 2013,  
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FGT-1 is the major glucose transporter in *C. elegans* and is central to aging pathways

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doi:10.1042/BJ20131101*

Crystal structure of the TRIM25 B30.2 (PRYSPRY) domain: a key component of antiviral signalling

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doi:10.1042/BJ20121425*

Dynamic conformational switching in the chemokine ligand is essential for G-protein-coupled receptor activation

*Published as BJ Immediate Publication 16 September 2013,  
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C-24-methylation of 26-fluorocycloartenols by recombinant sterol C-24-methyltransferase from soybean: evidence for channel switching and its phylogenetic implications

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*Mycobacterium tuberculosis* DNA gyrase ATPase domain structures suggest a dissociative mechanism that explains how ATP hydrolysis is coupled to domain motion

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