

### Accelerated Publications

- Late stages of the synchronized macrophage fusion in osteoclast formation depend on dynamin  
*Published as BJ Immediate Publication 22 October 2014, doi:10.1042/BJ20141233* S.K. Verma, E. Leikina, K. Melikov and L.V. Chernomordik **293–300**
- Disruption of integrin–fibronectin complexes by allosteric but not ligand-mimetic inhibitors  
*Published as BJ Immediate Publication 21 October 2014, doi:10.1042/BJ20141047* A.P. Mould, S.E. Craig, S.K. Byron, M.J. Humphries and T.A. Jowitt **301–313**

### Research Papers

- Structural and functional consequences of removing the N-terminal domain from the magnesium chelatase ChlH subunit of *Thermosynechococcus elongatus*  
*Published on the Internet 21 November 2014, doi:10.1042/BJ20140463* N.B.P. Adams, C.J. Marklew, P. Qian, A.A. Brindley, P.A. Davison, P.A. Bullough and C.N. Hunter **315–322**
- A protein kinase screen of *Neurospora crassa* mutant strains reveals that the SNF1 protein kinase promotes glycogen synthase phosphorylation  
*Published as BJ Immediate Publication 25 September 2014, doi:10.1042/BJ20140942* T.D.S. Candido, R.D. Gonçalves, A.P. Felício, F.Z. Freitas, F.B. Cupertino, A.C.G.V. De Carvalho and M.C. Bertolini **323–334**
- Comparisons of subunit 5A and 5B isoenzymes of yeast cytochrome c oxidase  
*Published as BJ Immediate Publication 22 September 2014, doi:10.1042/BJ20140732* R. Dodia, B. Meunier, C.W.M. Kay and P.R. Rich **335–342**
- Sulfonylurea receptors regulate the channel pore in ATP-sensitive potassium channels via an intersubunit salt bridge  
*Published as BJ Immediate Publication 19 September 2014, doi:10.1042/BJ20140273* D. Lodwick, R.D. Rainbow, H.N. Rubaiy, M. Al Johi, G.W. Vuister and R.I. Norman **343–354**
- Osteopontin mediates mineralization and not osteogenic cell development *in vitro*  
*Published as BJ Immediate Publication 13 October 2014, doi:10.1042/BJ20140702* E. Holm, J.S. Gleberzon, Y. Liao, E.S. Sørensen, F. Beier, G.K. Hunter and H.A. Goldberg **355–364**
- Inpp5e increases the Rab5 association and phosphatidylinositol 3-phosphate accumulation at the phagosome through an interaction with Rab20  
*Published as BJ Immediate Publication 1 October 2014, doi:10.1042/BJ20140916* T. Segawa, K. Hazeki, K. Nigorikawa, S. Morioka, Y. Guo, S. Takasuga, K. Asanuma and O. Hazeki **365–375**
- DNA polymerase  $\eta$  is regulated by poly(rC)-binding protein 1 via mRNA stability  
*Published as BJ Immediate Publication 30 September 2014, doi:10.1042/BJ20141164* C. Ren, S.-J. Cho, Y.-S. Jung and X. Chen **377–386**
- Aminoacetone oxidase from *Streptococcus oligofermentans* belongs to a new three-domain family of bacterial flavoproteins  
*Published as BJ Immediate Publication 30 September 2014, doi:10.1042/BJ20140972* G. Molla, M. Nardini, P. Motta, P. D'Arrigo, W. Panzeri and L. Pollegioni **387–399**
- A context-independent N-glycan signal targets the misfolded extracellular domain of *Arabidopsis* STRUBBELIG to endoplasmic-reticulum-associated degradation  
*Published as BJ Immediate Publication 24 September 2014, doi:10.1042/BJ20141057* S. Hüttner, C. Veit, U. Vavra, J. Schoberer, M. Dicker, D. Maresch, F. Altmann and R. Strasser **401–411**

## Contents

---

- Characterization of spinach ribulose-1,5-bisphosphate carboxylase/oxygenase activase isoforms reveals hexameric assemblies with increased thermal stability  
*Published as BJ Immediate Publication 23 September 2014, doi:10.1042/BJ20140676*
- J.R. Keown and F.G. Pearce **413–423**
- Identification of NOX2 regions for normal biosynthesis of cytochrome *b*<sub>558</sub> in phagocytes highlighting essential residues for p22<sup>phox</sup> binding  
*Published as BJ Immediate Publication 25 September 2014, doi:10.1042/BJ20140555*
- S. Beaumel, D. Grunwald, F. Fieschi and M.J. Stasia **425–437**
- The SARS-coronavirus membrane protein induces apoptosis via interfering with PDK1–PKB/Akt signalling  
*Published as BJ Immediate Publication 1 October 2014, doi:10.1042/BJ20131461*
- H. Tsoi, L. Li, Z.S. Chen, K.-F. Lau, S.K.W. Tsui and H.Y.E. Chan **439–447**
- The disease-associated mutation of the mitochondrial thiol oxidase Erv1 impairs cofactor binding during its catalytic reaction  
*Published as BJ Immediate Publication 1 October 2014, doi:10.1042/BJ20140679*
- E. Ceh-Pavia, S.K. Ang, M.P. Spiller and H. Lu **449–459**
- Structure-based design and functional studies of novel noroviral 3C protease chimaeras offer insights into substrate specificity  
*Published as BJ Immediate Publication 2 October 2014, doi:10.1042/BJ20140959*
- M.R. Herod, C.A. Prince, R.J. Skilton, V.K. Ward, J.B. Cooper and I.N. Clarke **461–472**