

Reviews

The molecular regulation of Janus kinase (JAK) activation

Published on the Internet 24 July 2014,
doi:10.1042/BJ20140712

TALEN-mediated genome editing: prospects and perspectives

Published on the Internet 24 July 2014,
doi:10.1042/BJ20140295

Online Commentary

Chaperone turns gatekeeper: PCBP2 and DMT1 form an iron-transport pipeline

Published on the Internet 24 July 2014,
doi:10.1042/BJ20140720
(see accompanying paper, pp. 25–37)

Research Papers

Chaperone protein involved in transmembrane transport of iron

Published as BJ Immediate Publication 23 May 2014,
doi:10.1042/BJ20140225

Structural and enzymatic insights into Lambda glutathione transferases from *Populus trichocarpa*, monomeric enzymes constituting an early divergent class specific to terrestrial plants

Published as BJ Immediate Publication 14 May 2014,
doi:10.1042/BJ20140390

Structural analysis of poly-SUMO chain recognition by the RNF4-SIMs domain

Published as BJ Immediate Publication 20 May 2014,
doi:10.1042/BJ20140521

Impaired selenoprotein expression in brain triggers striatal neuronal loss leading to co-ordination defects in mice

Published as BJ Immediate Publication 20 May 2014,
doi:10.1042/BJ20140423

Lysine methylation is an endogenous post-translational modification of tau protein in human brain and a modulator of aggregation propensity

Published as BJ Immediate Publication 28 May 2014,
doi:10.1042/BJ20140372

TM4SF5 suppression disturbs integrin $\alpha 5$ -related signalling and muscle development in zebrafish

Published as BJ Immediate Publication 4 June 2014,
doi:10.1042/BJ20140177

miR-21/DDAH1 pathway regulates pulmonary vascular responses to hypoxia

Published as BJ Immediate Publication 4 June 2014,
doi:10.1042/BJ20140486

J.J. Babon, I.S. Lucet, J.M. Murphy, N.A. Nicola and L.N. Varghese

1–13

D.A. Wright, T. Li, B. Yang and M.H. Spalding

15–24

D.J.R. Lane and D.R. Richardson

e1–e3

I. Yanatori, Y. Yasui, M. Tabuchi and F. Kishi

25–37



P.-A. Lallement, E. Meux, J.M. Gualberto, P. Prosper, C. Didierjean, F. Saul, A. Haouz, N. Rouhier and A. Hecker

39–52



C.C.-H. Kung, M.T. Naik, S.-H. Wang, H.-M. Shih, C.-C. Chang, L.-Y. Lin, C.-L. Chen, C. Ma, C.-F. Chang and T.-H. Huang

53–65



S. Seeher, B.A. Carlson, A.C. Miniard, E.K. Wirth, Y. Mahdi, D.L. Hatfield, D.M. Driscoll and U. Schweizer

67–75



K.E. Funk, S.N. Thomas, K.N. Schafer, G.L. Cooper, Z. Liao, D.J. Clark, A.J. Yang and J. Kuret

77–88

Y.-J. Choi, H.H. Kim, J.-g. Kim, H.-J. Kim, M. Kang, M.-S. Lee, J. Ryu, H.E. Song, S.H. Nam, D. Lee, K.-W. Kim and J.W. Lee

89–101



L. Iannone, L. Zhao, O. Dubois, L. Duluc, C.J. Rhodes, J. Wharton, M.R. Wilkins, J. Leiper and B. Wojciak-Stothard

103–112



Contents

Fibrin binds to collagen and provides a bridge for $\alpha V\beta 3$ integrin-dependent contraction of collagen gels <i>Published as BJ Immediate Publication 20 May 2014, doi:10.1042/BJ20140201</i>	V. Reyhani, P. Seddigh, B. Guss, R. Gustafsson, L. Rask and K. Rubin	113–123
Protein kinase inhibitor β enhances the constitutive activity of G-protein-coupled zinc receptor GPR39 <i>Published as BJ Immediate Publication 28 May 2014, doi:10.1042/BJ20131198</i>	Z. Kovacs, T. Schacht, A.-K. Herrmann, P. Albrecht, K. Lefkimiatis and A. Methner	125–132
Cellular mechanisms underlying the increased disease severity seen for patients with long QT syndrome caused by compound mutations in KCNQ1 <i>Published as BJ Immediate Publication 10 June 2014, doi:10.1042/BJ20140425</i>	S.C. Harmer, J.S. Mohal, A.A. Royal, W.J. McKenna, P.D. Lambiase and A. Tinker	133–142
N-terminus of the protein kinase CLK1 induces SR protein hyperphosphorylation <i>Published as BJ Immediate Publication 29 May 2014, doi:10.1042/BJ20140494</i>	B.E. Aubol, R.M. Plocinik, M.M. Keshwani, M.L. McGlone, J.C. Hagopian, G. Ghosh, X.-D. Fu and J.A. Adams	143–152
Identification and characterization of a mirror-image oligonucleotide that binds and neutralizes sphingosine 1-phosphate, a central mediator of angiogenesis <i>Published as BJ Immediate Publication 16 May 2014, doi:10.1042/BJ20131422</i>	W.G. Purschke, K. Hoehlig, K. Buchner, D. Zboralski, F. Schwoebel, A. Vater and S. Klussmann	153–162
Rate of steroid double-bond reduction catalysed by the human steroid 5 β -reductase (AKR1D1) is sensitive to steroid structure: implications for steroid metabolism and bile acid synthesis <i>Published as BJ Immediate Publication 4 June 2014, doi:10.1042/BJ20140220</i>	Y. Jin, M. Chen and T.M. Penning	163–171
Discovery of InsP ₆ -kinases as InsP ₆ -dephosphorylating enzymes provides a new mechanism of cytosolic InsP ₆ degradation driven by the cellular ATP/ADP ratio <i>Published as BJ Immediate Publication 28 May 2014, doi:10.1042/BJ20130992</i>	T. Wunderberg, N. Grabinski, H. Lin and G.W. Mayr	173–184
Reversible disassembly of the yeast V-ATPase revisited under <i>in vivo</i> conditions <i>Published as BJ Immediate Publication 7 May 2014, doi:10.1042/BJ20131293</i>	K. Tabke, A. Albertmelcher, O. Vitavská, M. Huss, H.-P. Schmitz and H. Wieczorek	185–197



133–142



143–152



153–162



163–171



173–184



185–197