

BIOCHEMICAL JOURNAL

Volume 459, part 3

1 May 2014

http://www.BiochemJ.org

Subscribing organizations are encouraged to copy and distribute this table of contents for non-commercial purposes

Accelerated Publication

TIMP-1 modulates chemotaxis of human neural stem cells through CD63 and integrin signalling *Published as BJ Immediate Publication 18 March 2014*, doi:10.1042/BJ20131119

S.Y. Lee, J.M. Kim, S.Y. Cho, H.S. Kim, H.S. Shin, J.Y. Jeon, R. Kausar, S.Y. Jeong, Y.S. Lee and M.A. Lee



565-576

Research Papers

A novel p38 MAPK docking-groove-targeted compound is a potent inhibitor of inflammatory hyperalgesia

Published as BJ Immediate Publication 11 February 2014, doi:10.1042/BJ20130172

Ser¹¹⁹ phosphorylation modulates the activity and conformation of PRRXL1, a homeodomain transcription factor *Published as BJ Immediate Publication 24 February 2014.*

Published as BJ Immediate Publication 24 February 2014, doi:10.1042/BJ20131014

Lyn kinase plays important roles in erythroid expansion, maturation and erythropoietin receptor signalling by regulating inhibitory signalling pathways that control survival *Published as BJ Immediate Publication 20 February 2014, doi:10.1042/BJ20130903*

The cysteine desulfurase IscS of Mycobacterium tuberculosis is involved in iron–sulfur cluster biogenesis and oxidative stress defence Published as BJ Immediate Publication 19 February 2014, doi:10.1042/BJ20130732

Chitinase-3-like protein 1 protects skeletal muscle from $\text{TNF}\alpha\text{-induced}$ inflammation and insulin resistance

Published as BJ Immediate Publication 11 February 2014, doi:10.1042/BJ20131151

Suppression of adipogenesis by valproic acid through repression of USF1-activated fatty acid synthesis in adipocytes

Published as BJ Immediate Publication 11 February 2014.

Published as BJ Immediate Publication 11 February 2014, doi:10.1042/BJ20131476

Inhibition of histone binding by supramolecular hosts

Published as BJ Immediate Publication 28 February 2014, doi:10.1042/BJ20140145

The increase in BIK expression following ERK1/2 pathway inhibition is a consequence of G₁ cell-cycle arrest and not a direct effect on BIK protein stability *Published as BJ Immediate Publication 17 February 2014,* doi:10.1042/BJ20131346

Structural and mechanistic insights into an extracytoplasmic copper trafficking pathway in *Streptomyces lividans Published as BJ Immediate Publication 19 February 2014, doi:10.1042/BJ20140017*

H.L.D.M. Willemen, P.M. Campos, E. Lucas, A. Morreale, R. Gil-Redondo, J. Agut, F.V. González, P. Ramos, C. Heijnen, F. Mayor, Jr. A. Kavelaars and C. Murga

R. Soares-dos-Reis, A.S. Pessoa, M.R. Matos, M. Falcão, V.M. Mendes, B. Manadas, F.A. Monteiro, D. Lima and C. Reguenga

N.S. Slavova-Azmanova, N. Kucera, A. Louw, J. Satiaputra, A. Handoko, P. Singer, L. Stone, D.J. McCarthy, S.P. Klinken, M.L. Hibbs and E. Ingley

J. Rybniker, F. Pojer, J. Marienhagen, G.S. Kolly, J.M. Chen, E. van Gumpel, P. Hartmann and S.T. Cole

S.W. Görgens, K. Eckardt, M. Elsen, N. Tennagels and J. Eckel

M. Yuyama and K. Fujimori

H.F. Allen, K.D. Daze, T. Shimbo, A. Lai, C.A. Musselman, J.K. Sims, P.A. Wade, F. Hof and T.G. Kutateladze

M.J. Sale and S.J. Cook

K.L.I.M. Blundell, M.A. Hough, E. Vijgenboom and J.A.R. Worrall

online date

427-439



441–453



online data

455-466



467–478



479–488



489-503



505-512



513-524



525-538

Contents

The upstream conserved regions (UCRs) mediate homo- and hetero-oligomerization of type 4 cyclic nucleotide phosphodiesterases (PDE4s) *Published as BJ Immediate Publication 21 February 2014*, doi:10.1042/BJ20131681

Analysis of the co-operative interaction between the allosterically regulated proteins GK and GKRP using tryptophan fluorescence Published as BJ Immediate Publication 26 February 2014, doi:10.1042/BJ20131363

M. Xie, B. Blackman, C. Scheitrum, D. Mika, E. Blanchard, T. Lei, M. Conti and W. Richter



539-550



B. Zelent, A. Raimondo, A. Barrett, C.W. Buettger, P. Chen, A.L. Gloyn and F.M. Matschinsky

551-564