











Research Papers

- Persulfide formation on mitochondrial cysteine desulfurase: enzyme activation by a eukaryote-specific interacting protein and Fe-S cluster synthesis
Published as BJ Immediate Publication 28 August 2012, doi:10.1042/BJ20120951
- 2-APB-potentiated channels amplify CatSper-induced Ca²⁺ signals in human sperm
Published as BJ Immediate Publication 3 September 2012, doi:10.1042/BJ20120339
- Structural insight into how *Pseudomonas aeruginosa* peptidoglycan-hydrolase Tse1 and its immunity protein Tsi1 function
Published as BJ Immediate Publication 29 August 2012, doi:10.1042/BJ20120668
- Assessing the range of kinase autoinhibition mechanisms in the insulin receptor family
Published as BJ Immediate Publication 20 September 2012, doi:10.1042/BJ20121365
- The proximal C-terminus of α_{1C} subunits is necessary for junctional membrane targeting of cardiac L-type calcium channels
Published as BJ Immediate Publication 28 August 2012, doi:10.1042/BJ20120773
- Nocturnin in the demosponge *Suberites domuncula*: a potential circadian clock protein controlling glycogenin synthesis in sponges
Published as BJ Immediate Publication 28 August 2012, doi:10.1042/BJ20120357
- Regulation of the V-type ATPase by redox modulation
Published as BJ Immediate Publication 4 September 2012, doi:10.1042/BJ20120976
- Probing why trypanosomes assemble atypical cytochrome *c* with an AxxCH haem-binding motif instead of CxxCH
Published as BJ Immediate Publication 28 August 2012, doi:10.1042/BJ20120757
- Identification and characterization of a kunzeal synthase from *Thapsia garganica*: implications for the biosynthesis of the pharmaceutical thapsigargin
Published as BJ Immediate Publication 31 August 2012, doi:10.1042/BJ20120654
- Activation of PLC by an endogenous cytokine (GBP) in *Drosophila* S3 cells and its application as a model for studying inositol phosphate signalling through ITPK1
Published as BJ Immediate Publication 29 August 2012, doi:10.1042/BJ20120730
- A. Pandey, R. Golla, H. Yoon, A. Dancis and D. Pain  171–187
- L. Lefièvre, K. Nash, S. Mansell, S. Costello, E. Punt, J. Correia, J. Morris, J. Kirkman-Brown, S.M. Wilson, C.L.R. Barratt and S. Publicover   189–200
- G. Shang, X. Liu, D. Lu, J. Zhang, N. Li, C. Zhu, S. Liu, Q. Yu, Y. Zhao, H. Zhang, J. Hu, H. Cang, S. Xu and L. Gu  201–211
- S.C. Artim, J.M. Mendrola and M.A. Lemmon 213–220
- T. Nakada, B.E. Flucher, T. Kashihara, X. Sheng, T. Shibazaki, M. Horiuchi-Hirose, S. Gomi, M. Hirose and M. Yamada  221–231
- W.E.G. Müller, X. Wang, V.A. Grebenjuk, M. Korzhev, M. Wiens, U. Schlossmacher and H.C. Schröder  233–242
- T. Seidel, S. Scholl, M. Krebs, F. Rienmüller, I. Marten, R. Hedrich, M. Hanitzsch, P. Janetzki, K.-J. Dietz and K. Schumacher  243–251
- M.L. Ginger, K.A. Sam and J.W.A. Allen  253–260
- B. Pickel, D.P. Drew, T. Manczak, C. Weitzel, H.T. Simonsen and D.-K. Ro  261–271
- Y. Zhou, S. Wu, H. Wang, Y. Hayakawa, G.S. Bird and S.B. Shears  273–283

Akt is efficiently activated by PIF-pocket- and
PtdIns(3,4,5) P_3 -dependent mechanisms leading to
resistance to PDK1 inhibitors

*Published as BJ Immediate Publication 3 October 2012,
doi:10.1042/BJ20121287*

A. Najafov, N. Shpiro and D.R. Alessi



285–295