

Review Articles

- When fast is better: protein folding fundamentals and mechanisms from ultrafast approaches** V. Muñoz and M. Cerminara 2545–2559
Version of Record published 30 August 2016, doi:10.1042/BCJ20160107
- The emerging role of AMPK in the regulation of breathing and oxygen supply** A.M. Evans, A.D. Mahmoud, J. Moral-Sanz and S. Hartmann 2561–2572
Version of Record published 30 August 2016, doi:10.1042/BCJ20160002
- Targeting protein function: the expanding toolkit for conditional disruption** A.E. Campbell and D. Bennett 2573–2589
Version of Record published 30 August 2016, doi:10.1042/BCJ20160240

Research Papers

- ACAP3 regulates neurite outgrowth through its GAP activity specific to Arf6 in mouse hippocampal neurons Y. Miura, T. Hongu, Y. Yamauchi, Y. Funakoshi, N. Katagiri, N. Ohbayashi and Y. Kanaho 2591–2602
Accepted Manuscript online 21 June 2016, doi:10.1042/BCJ20160183
- Critical role of XBP1 in cancer signalling is regulated by PIN1 U. Chae, S.-J. Park, B. Kim, S. Wei, J.-S. Min, J.-H. Lee, S.H. Park, A.-H. Lee, K.P. Lu, D.-S. Lee and S.-H. Min 2603–2610
Accepted Manuscript online 22 June 2016, doi:10.1042/BCJ20160482
- The PP-motif in luminal loop 2 of ZnT transporters plays a pivotal role in TNAP activation S. Fujimoto, T. Tsuji, T. Fujiwara, T.-A. Takeda, C. Merriman, A. Fukunaka, Y. Nishito, D. Fu, E. Hoch, I. Sekler, K. Fukue, Y. Miyamae, S. Masuda, M. Nagao and T. Kambe 2611–2621
Accepted Manuscript online 14 June 2016, doi:10.1042/BCJ20160324
- Proteomic and functional analysis of proline dehydrogenase 1 link proline catabolism to mitochondrial electron transport in *Arabidopsis thaliana* C. Cabassa-Hourton, P. Schertl, M. Bordenave-Jacquemin, K. Saadallah, A. Guivarc'h, S. Lebreton, S. Planchais, J. Klodmann, H. Eubel, E. Crilat, D. Lefebvre-De Vos, T. Ghelis, L. Richard, C. Abdelly, P. Carol, H.-P. Braun and A. Savouré 2623–2634
Accepted Manuscript online 14 June 2016, doi:10.1042/BCJ20160314
- The nucleotidohydrolases DCTPP1 and dUTPase are involved in the cellular response to decitabine C.E. Requena, G. Pérez-Moreno, A. Horváth, B.G. Vértessy, L.M. Ruiz-Pérez, D. González-Pacanoska and A.E. Vidal 2635–2643
Accepted Manuscript online 20 June 2016, doi:10.1042/BCJ20160302
- Only the complex N559-glycan in the synaptic vesicle glycoprotein 2C mediates high affinity binding to botulinum neurotoxin serotype A1 S. Mahrhold, T. Bergström, D. Stern, B.G. Dorner, C. Åstot and A. Rummel 2645–2654
Accepted Manuscript online 16 June 2016, doi:10.1042/BCJ20160439
- Proteasome regulates turnover of toxic human amylin in pancreatic cells S. Singh, S. Trikha, A. Sarkar and A.M. Jeremic 2655–2670
Accepted Manuscript online 22 June 2016, doi:10.1042/BCJ20160026

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Phos-tag analysis of Rab10 phosphorylation by LRRK2: a powerful assay for assessing kinase function and inhibitors

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G. Ito, K. Katsemonova, F. Tonelli, P. Lis, M.A.S. Baptista, N. Shpiro, G. Duddy, S. Wilson, P. W.-L. Ho, S.-L. Ho, A.D. Reith and D.R. Alessi

2671–2685

Commentary Article

A paradigm shift in oxygen sensing with a twist in the tale!

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