

## Research Papers

- Identification of a specific one amino acid change in recombinant human transglutaminase 2 that regulates its activity and calcium sensitivity  
*Published as BJ Immediate Publication 13 August 2013, doi:10.1042/BJ20130696*
- Mining the bacterial unknown proteome: identification and characterization of a novel family of highly conserved protective antigens in *Staphylococcus aureus*  
*Published as BJ Immediate Publication 29 July 2013, doi:10.1042/BJ20130540*
- Mycobacterium tuberculosis* DNA gyrase possesses two functional GyrA-boxes  
*Published as BJ Immediate Publication 22 July 2013, doi:10.1042/BJ20130430*
- Mammalian ribosomal and chaperone protein RPS3A counteracts  $\alpha$ -synuclein aggregation and toxicity in a yeast model system  
*Published as BJ Immediate Publication 7 August 2013, doi:10.1042/BJ20130417*
- A novel fluorescence assay and catalytic properties of Crh1 and Crh2 yeast cell wall transglycosylases  
*Published as BJ Immediate Publication 6 August 2013, doi:10.1042/BJ20130354*
- Lys<sup>110</sup> of TRPM2 is critical for channel activation  
*Published as BJ Immediate Publication 19 August 2013, doi:10.1042/BJ20130303*
- Autophagy impairment aggravates the inhibitory effects of high glucose on osteoblast viability and function  
*Published as BJ Immediate Publication 27 August 2013, doi:10.1042/BJ20130562*
- Chemical library screening for WNK signalling inhibitors using fluorescence correlation spectroscopy  
*Published as BJ Immediate Publication 27 August 2013, doi:10.1042/BJ20130597*
- Collaboration of AMPK and PKC to induce phosphorylation of Ser<sup>413</sup> on PIP5K1B resulting in decreased kinase activity and reduced PtdIns(4,5)P<sub>2</sub> synthesis in response to oxidative stress and energy restriction  
*Published as BJ Immediate Publication 5 August 2013, doi:10.1042/BJ20130259*
- A LOV-domain-mediated blue-light-activated adenylate (adenyl) cyclase from the cyanobacterium *Microcoleus chthonoplastes* PCC 7420  
*Published on the Internet 10 October 2013, doi:10.1042/BJ20130637*
- Calmodulin modulates the termination threshold for cardiac ryanodine receptor-mediated Ca<sup>2+</sup> release  
*Published as BJ Immediate Publication 30 August 2013, doi:10.1042/BJ20130805*
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