



## Recent Publications – Dr Ben Cowper

P Matejtschuk, C Duru, AF Bristow, CJ Burns, **B Cowper**, A Daas & A Costanzo (2019) Establishment of an erythropoietin CRS with stable measurable dimer content for SEC system suitability qualification. *Pharmeur. Bio. Sci. Notes*. 2019, 11-26

**B Cowper**, X Li, L Yu, Y Zhou, WH Fan & CM Rao (2018) Comprehensive glycan analysis of twelve recombinant human erythropoietin preparations from manufacturers in China and Japan. *J. Pharm. Biomed. Anal.* 153, 214-220.

**B Cowper**, L Shariff, W Chen, SM Gibson, WL Di & D Macmillan (2015) Expanding the scope of N→S acyl transfer in native peptide sequences. *Org. Biomol. Chem.* 13 (27), 7469-7476.

**B Cowper**, YM Sze, B Premdjee, AF Bongat White, A Hacking & D Macmillan (2015) Examination of mercaptobenzyl sulfonates as catalysts for native chemical ligation: application to the assembly of a glycosylated Glucagon-Like Peptide 1 (GLP-1) analogue. *Chem. Commun.* 51 (15), 3208-3210.

L Shariff, Y Zhu, **B Cowper**, WL Di & D Macmillan (2014) Sunflower trypsin inhibitor (SFTI-1) analogues of synthetic and biological origin via N→S acyl transfer: potential inhibitors of human Kallikrein-5 (KLK5). *Tetrahedron* 70 (42), 7675-7680

AL Adams, **B Cowper**, RE Morgan, B Premdjee, S Caddick & D Macmillan (2013). Cysteine Promoted C-Terminal Hydrazinolysis of Native Peptides and Proteins. *Angew. Chem. Int. Ed.* 52 (49), 13062-13066

**B Cowper**, DJ Craik & D Macmillan (2013) Making Ends Meet: Chemically Mediated Circularization of Recombinant Proteins. *ChemBioChem* 14 (7), 809-812.

**B Cowper**, S Matthews & F Tomley (2012) The molecular basis for the distinct host and tissue tropisms of coccidian parasites. *Mol. Biochem. Parasitol.* 186 (1), 1-10.

J Marchant, **B Cowper**, Y Liu, L Lai, C Pinzan, JB Marq, N Friedrich, K Sawmynaden, L Liew, W Chai, RA Childs, S Saouros, P Simpson, MCR Barreira, T Feizi, D Soldati-Favre & S Matthews (2012). Galactose recognition by the apicomplexan parasite *Toxoplasma gondii*. *J. Biol. Chem.* 287 (20), 16720-16733

## WHO publications

**B Cowper**, P Rigsby, T Dougall & C Burns (2017) WHO International Collaborative Study of the Proposed 2<sup>nd</sup> International Standard for Parathyroid Hormone 1-34, Recombinant, Human. WHO/BS/2017/2312.