

Professor Emily Hilder **Joint Winner of the 2016 Chromatographic Society Jubilee Medal**



As one of the leading lights from ACROSS, Professor Emily Hilder has demonstrated a significant ability in the field of separation science. Recently listed in the top 40 under 40 analytical scientists, she has demonstrated that even at the start of her career she is a highly respected chromatographer. Professor Hilder obtained her BSc and PhD from the University of Tasmania in 1996 and 2001 respectively. She then went on to perform postdoctoral work at Johannes Kepler University (Austria), E.O. Lawrence Berkeley National Laboratories, University of California, Berkeley (USA) and University of Tasmania before obtaining a position of Senior lecturer at the latter institution in 2008. Then in 2011 she was promoted to Professor of Chemistry. She is also Director of the Australian Research Council Training Centre for Portable Analytical Separation Technologies at the University of Tasmania.

Her research focuses on synthesis and design of polymeric monolithic capillary phase for LC and CEC for small and large molecules, as well as electrophoretic separations. Latterly her research has involved the miniaturization of separation devices and media for dried blood spot analysis. She has also made significant contributions in ion analysis, in particular in the combination of chromatographic and electrophoretic separation mechanisms to achieve unique selectivity for ionic analytes in capillary electrochromatography (CEC). She was instrumental in the development of an analytical method that was identified by the U.S. Food and Drug Administration as one of the only methods suitable for screening heparin for potentially lethal impurities. Professor Hilder was responsible for the development of the MilliSpotTM polymer technology and the ACROSS bomb-detection project.

With over 100 publications in refereed journals, 3 patents, well over a 100 presentations at national and internal scientific meetings, as well as receiving the 2012 Leaders in Chromatography award from LCGC in 2012, Emily is certainly a worthy winner of this award.

Professor Hilder has demonstrated exceptional abilities in the field of chromatography and as such the Chromatographic Society are delighted to honour her with the Jubilee Medal for 2016.