

DCU WATER INSTITUTE PRINCIPAL INVESTIGATORS

PI NAME:	Dr. Blánaid White
SCHOOL:	School of Chemical Sciences
PI INFORMATION:	<p>Biography (100 words)</p> <p>Dr. Blánaid White graduated with a B.Sc. in Chemistry with German from Dublin City University (DCU) in 2001 and a Ph.D. (Analytical Chemistry) from DCU in 2005. She joined the School of Chemical Sciences as a lecturer in 2008, having completed postdoctoral research with Prof. Craig Lunte in the University of Kansas. In 2012 she became chairperson of the BSc. in Environmental Science and Health in DCU. Blánaid's research group is currently funded by the Irish Research Council, Alltech Ireland Ltd. and Allergan Ltd.</p> <p>Expertise (100 words)</p> <p>Blánaid's research expertise includes both on the development of intelligent analysis tools, and the application of analytical chemistry for the investigation of chemical and biochemical processes in the world around us.</p> <p>A primary focus of her research is the elucidation of molecular mechanisms which initiate and propagate oxidative stress, particularly that which leads to DNA damage. She also develops chromatographic stationary phases using novel monolithic polymers and polymer architectures to develop analytical platforms. Exploring the effect of aqueous environmental parameters on pharmaceutical stability and breakdown products is also a research interest, as is investigating the impact of environmental landscape on the nutritional composition of honey.</p>

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