



Macro Group UK Young Researchers Medal Winners 2012



Dr Matthew Gibson obtained his PhD in 2007 from the University of Durham and followed this with a post-doctoral period at EPFL Lausanne. In 2009, he was awarded a prestigious Science City Research Fellowship at the University of Warwick and has subsequently been promoted to Senior Research Fellow (2011) and Assistant Professor (2012). His research group is developing and applying novel macromolecular approaches to address biological systems, with a focus on healthcare challenges. He has made significant contributions in the study of carbohydrate-protein interactions and the design of environmentally responsive

materials. Major areas of his research include the detection and inhibition of bacterial toxins, bio-chemically responsive polymers for targeted delivery and novel cryopreservatives inspired by antifreeze proteins. Much of this work has real world applications and has resulted in several patent filings. Matthew is currently secretary of the Recent Appointees in Polymer Science network and sits on the RSC Carbohydrate Group executive committee as well as being on the organising committee of several national/international meetings.
