



Dr Yan Liu, PhD

Dr Yan Liu completed her B.Sc. degree in chemistry at the Peking University in 2001, and obtained her PhD in organic chemistry from University of Bristol in 2005, under the guidance of Professor Tim Gallagher. She then joined the group of Professor Ten Feizi as one of the postdoc researchers funded by the UK Glycoarray Consortium and developed novel glycan probes for microarray studies. She was a named experienced investigator on the EPSRC Translational grant during 2008-2012 and her work has been extended to microarray analyses of diverse glycan-binding systems, notable among which are pandemic 2009 H1N1 influenza virus and other human pathogenic viruses of Papillomaviridae, Polyomaviridae and Adenoviridae families, *Toxoplasma gondii* and related apicomplexan parasites, and the broadly neutralizing anti-HIV antibodies. Since 2013, Dr Liu has been leading the Wellcome Trust-funded [Carbohydrate Microarray Facility](#) as a biomedical resource for the broad scientific community. Her expertise in the field of glycan arrays has been well recognized internationally. She is a member of the [MIRAGE](#) (Minimum Information Required for A Glycomics Experiment) Commission and the lead author of the recently published [MIRAGE glycan microarray guidelines](#). Dr Liu is an accomplished chemist/glycobiologist with over 60 publications. Her main research interest is to develop ultrasensitive approaches to understand the roles of carbohydrate molecules in pathogen-host interactions and as potential biomarkers for infectious diseases and autoimmune diseases.