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Microarray applications in glycobiology

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Microarrays offer miniaturized, highly parallel multiplexing options for glycobiology assays and as such are becoming standard tools in this field. Applications range from immunology (host-pathogen interaction studies, vaccine development and testing), cell biology (cell glycosylation profiling, ligand-receptor interaction studies), cancer research (tumor associated antigen screening, vaccine development and testing) to virology (virus avidity assays, virus surveillance and screening). Examples of these applications will be described.

Biography

Marc Botcherby has obtained his PhD from University College London in the field of Molecular Genetics. He has worked for the Medical Research Council in a number of virology and immunology groups during which he led the core group of the UK Mouse Sequencing Consortium and then a microarray hotel dedicated to auto immune diseases. Subsequently, he has joined innovative companies such as Molecular Devices, Cambridge Bluegnome and Illumina. He is currently the Director of Eggsonchips Limited, providing expertise in the field of pre implantation genetic screening as well as distributing and supporting Innopsys scanners in the UK and Ireland.

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