

Glycan Microarrays 2.0 - Minutes 29-30th July 2014, MIB, Manchester

Participants: Dr Bruno Linclau (Southampton), Prof Sabine Flitsch (MIB), Prof Ten Feizi (Imperial), Dr Yan Liu (Imperial), Dr Sarah Allman (Open University), Dr Richard Gardner (Ludger Ltd), Dr Sarah Goodchild (DSTL), Dr Bruce Turnbull (Leeds), Dr Andrew Powell (Liverpool), Dr Carmen Galan (Bristol), Dr Michael Booth (BBSRC), Dr Matthew Gibson (Warwick), Dr Claire Doherty (MIB), Dr John Gardiner (MIB), Dr Devon Kavanaugh (IFR), Dr Gavin Miller (Manchester), Dr Ben Sattelle (MIB).

Apologies: Dr Martin Fascione (York), Prof Rob Field (JIC), Dr Catherine Merry (Manchester), Prof David Thornton (Manchester).

Tuesday 29th July - Delegates congregated over a networking lunch. Prof Sabine Flitsch began the meeting by welcoming everyone and introducing IBCarb to all delegates. Then, Dr Bruno Linclau also welcomed everyone and explained the objectives of the meeting. A series of flash presentations then followed:

- Professor Ten Feizi and Dr Yan Liu “Carbohydrate microarrays: current status and future prospects with synthetic glycans”
- Professor Sabine Flitsch “Applications of mass spectrometry on glycan arrays”
- Dr Sarah Allman “Joining the dots - designing carbohydrates for array applications”
- Dr Bruno Linclau “Polyfluorination of monosaccharides”

There was then some general discussion. After the coffee break, there were further flash presentations as follows:

- Dr Richard Gardner “The production and importance of reliable *N*-glycan standards”
- Dr Sarah Goodchild “Detection and diagnostics for defence”
- Dr Bruce Turnbull “Monovalent and multivalent protein carbohydrate interactions”
- Dr Andrew Powell “Heparan sulfate interaction studies: Possible benefits of saccharide arrays and considerations of the context of array content”
- Dr Carmen Galan “Synthetic tools and methodologies for Glycobiology Research”

As the aim of the meeting was to generate project ideas and proposals for grant applications, funding opportunities were highlighted by Dr Michael Booth from the BBSRC “The IB Catalyst and other funding opportunities” and Dr Claire Doherty from IBCarb, namely Proof of Concept funds (3 streams) and Business Interaction Vouchers. Dr Bruno Linclau concluded the meeting for the day.

Wednesday 30th July - Dr Bruno Linclau welcomed everyone back to the meeting and introduced a flash presentation from Dr Matthew Gibson “Solution-phase arrays for unlabelled proteins and lectin discrimination using maths and monosaccharides”. There was then some discussion around possible project proposals based on the presentations and discussions on Day 1. After the coffee break, the scope and remit of the IB Catalyst was thoroughly discussed with a particular focus on the application form. It was unanimously agreed that joint project proposals should be submitted to DSTL, IBCarb and the IB Catalyst on behalf of the network. Prof Sabine Flitsch and Dr Bruno Linclau ended the meeting by thanking everyone for their participation, prior to a networking lunch and departure.