

Bioinformatics for Immunologists 2019

Monday 15 – Friday 19 July 2019

Wellcome Genome Campus,
Hinxton, Cambridge, UK

The course will take place in the EMBL-EBI South Building – Training Room
Lunch will be served in the EMBL-EBI South Building
Breakfast and Dinner will be served in the Hinxton Hall Restaurant

Programme

Monday 15 July 2019

10:00-11:00	Arrival, registration and lunch <i>EMBL-EBI South Building</i>
11:00-12:00	Welcome, Introductions and Networking <i>Tom Hancocks, EMBL-EBI, UK</i>
12:00-12:30	Introduction to EMBL-EBI data resources <i>Tom Hancocks, EMBL-EBI, UK</i>
12:30-13:30	Lunch
13:30-15:30	Computational flow cytometry <i>Yvan Saeys, Ghent University, Belgium</i>
15:30-16:00	Afternoon Tea
16:00-18:30	R for immunology bioinformatics <i>Yvan Saeys, Ghent University, Belgium</i> <i>Sofie Van Gassen, Ghent University, Belgium</i>
18:45	Wellcome Genome Campus Conference Centre Check-In
19:30-20:00	Welcome drinks <i>Hinxton Hall Lounges</i>
20:00 prompt	Dinner <i>Hinxton Hall Restaurant</i>
20:00-23:00	Cash Bar <i>Graham Cameron Bar, Conference Centre</i>

Tuesday 16 July 2019

07:30-08:45	Breakfast
08:45	Arrival
09:00-11:00	Handling cytometry data in R and quality control <i>Yvan Saeys, Ghent University, Belgium</i> <i>Sofie Van Gassen, Ghent University, Belgium</i> <i>Adam Laing, King's College London, UK</i> <i>Anna Lorenc, King's College London, UK</i>
11:00-11:30	Morning Coffee
11:30-13:00	Visualising cytometry data in R <i>Yvan Saeys, Ghent University, Belgium</i> <i>Sofie Van Gassen, Ghent University, Belgium</i> <i>Adam Laing, King's College London, UK</i> <i>Anna Lorenc, King's College London, UK</i>
13:00-14:00	Lunch with poster session
14:00-16:00	Detecting differential patterns in cytometry data <i>Yvan Saeys, Ghent University, Belgium</i> <i>Sofie Van Gassen, Ghent University, Belgium</i> <i>Adam Laing, King's College London, UK</i> <i>Anna Lorence, King's College London, UK</i>
16:00-16:30	Afternoon Tea
16:30-18:30	Bioinformatics for analysis of Adaptive Immune Receptor Repertoire <i>Anna Lorenc, King's College London, UK</i>
19:00 prompt	Dinner <i>Hinxton Hall Restaurant</i>
19:00-23:00	Cash Bar <i>Graham Cameron Bar, Conference Centre</i>

Wednesday 17 July 2019

07:30-08:45	Breakfast
08:45	Arrival
09:00-11:00	Single-cell RNA sequencing <i>Neils Vandamme, University of Ghent, Belgium</i>
11:00-11:30	Morning Coffee
11:30-12:30	Single-cell RNA sequencing <i>Neils Vandamme, University of Ghent, Belgium</i>

12:30-13:30	Lunch with poster session
13:30-14:30	Single-cell RNA sequencing <i>Niels Vandamme, Ghent University, Belgium</i>
14:30-16:00	Antibody bioinformatics – structure and analysis <i>Andrew Martin, University College London, UK</i>
16:00-16:30	Afternoon Tea
16:30-18:30	Antibody bioinformatics – structure and analysis <i>Andrew Martin, University College London, UK</i>
19:00 prompt	Dinner <i>Hinxton Hall Restaurant</i>
19:00-23:00	Cash Bar <i>Graham Cameron Bar, Conference Centre</i>

Thursday 18 July 2019

07:30-08:45	Breakfast
08:45	Arrival
09:00-10:30	Ensembl Regulation <i>Ensembl Regulation, EMBL-EBI, UK</i>
10:30-11:00	Morning Coffee
11:00-12:00	Ensembl Regulation <i>Ensembl Regulation, EMBL-EBI, UK</i>
12:00-13:00	Protein interactions <i>Birgit Meldal, EMBL-EBI, UK</i>
13:00-14:00	Lunch with poster session
14:00-16:30	Protein interactions <i>Birgit Meldal, EMBL-EBI, UK</i>
16:30-17:00	Afternoon Tea
17:00-17:45	From the bedside to the bench and back again <i>James Lee, University of Cambridge, UK</i>
18:00-19:15	Drinks Reception <i>Hinxton Hall Lounges</i>
19:15 prompt	Silver Service Dinner <i>Hinxton Hall Restaurant</i>

19:15-23:00 **Cash Bar**
Graham Cameron Bar, Conference Centre

Friday 19 July 2019

07:30-08:30 **Breakfast**

08:30-08:50 **Check-out (bags to be brought to the meeting room)**

09:00-10:30 **Identifier mapping**
Livia Perfetto, EMBL-EBI, UK

10:30-11:00 **Morning Coffee**

11:00-12:30 **Tools for pathway analysis**
Thawfeek Varusai, EMBL-EBI, UK

12:30-13:30 **Lunch with poster session**

13:30-15:00 **Locating models for biological processes**
Rahuman Sherrif, EMBL-EBI, UK

15:00-15:15 **Feedback and survey**
Tom Hancocks, EMBL-EBI, UK

15:30 **Coaches depart to Cambridge Railway Station**