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
EMBL-EBI South Building

11:00-12:00 Welcome, Introductions and Networking
Tom Hancocks, EMBL-EBI, UK

12:00-12:30 Introduction to EMBL-EBI data resources
Tom Hancocks, EMBL-EBI, UK

12:30-13:30 Lunch

13:30-15:30 Computational flow cytometry
Yvan Saeys, Ghent University, Belgium

15:30-16:00 Afternoon Tea

16:00-18:30 R for immunology bioinformatics
Yvan Saeys, Ghent University, Belgium
Sofie Van Gassen, Ghent University, Belgium

18:45 Welcome Genome Campus Conference Centre Check-In

19:30-20:00 Welcome drinks
Hinxton Hall Lounges

20:00 prompt Dinner
Hinxton Hall Restaurant

20:00-23:00 Cash Bar
Graham Cameron Bar, Conference Centre
Tuesday 16 July 2019

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

Wednesday 17 July 2019

07:30-08:45  Breakfast
08:45        Arrival
09:00-11:00  Single-cell RNA sequencing
              Neils Vandamme, University of Ghent, Belgium
11:00-11:30  Morning Coffee
11:30-12:30  Single-cell RNA sequencing
              Neils Vandamme, University of Ghent, Belgium
12:30-13:30  Lunch with poster session
13:30-14:30  Single-cell RNA sequencing
Niels Vandamme, Ghent University, Belgium
14:30-16:00  Antibody bioinformatics – structure and analysis
Andrew Martin, University College London, UK
16:00-16:30  Afternoon Tea
16:30-18:30  Antibody bioinformatics – structure and analysis
Andrew Martin, University College London, UK
19:00 prompt  Dinner
Hinxton Hall Restaurant
19:00-23:00  Cash Bar
Graham Cameron Bar, Conference Centre

Thursday 18 July 2019
07:30-08:45  Breakfast
08:45  Arrival
09:00-10:30  Ensembl Regulation
Ensembl Regulation, EMBL-EBI, UK
10:30-11:00  Morning Coffee
11:00-12:00  Ensembl Regulation
Ensembl Regulation, EMBL-EBI, UK
12:00-13:00  Protein interactions
Birgit Meldal, EMBL-EBI, UK
13:00-14:00  Lunch with poster session
14:00-16:30  Protein interactions
Birgit Meldal, EMBL-EBI, UK
16:30-17:00  Afternoon Tea
17:00-17:45  From the bedside to the bench and back again
James Lee, University of Cambridge, UK
18:00-19:15  Drinks Reception
Hinxton Hall Lounges
19:15 prompt  Silver Service Dinner
Hinxton Hall Restaurant
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