



Directors: Francesco Cucca (Italy), Marcella Devoto (Italy, USA), Giovanni Romeo (Italy)

Faculty: Goncalo Abecasis, USA, Myles Axton, USA, Francesco Cucca, Italy, Antonio Condino-Neto, Brasil, Myriam Gorospe, USA, Eoin McKinney, UK, Stephen Montgomery, USA, Bertram Müller-Myhsok (Germany), John Novembre, USA, Kylie James, UK, Stephen Sawcer, UK, David Schlessinger, USA, Ken Smith, UK, Carlo Sidore, Italy, John Todd, UK.

MONDAY SEPTEMBER 16 ST
<i>Morning Lectures</i>
08:30-9:00 Registration
09:00-10:00 Introduction to Population Genetics – <i>John Novembre (USA)</i>
10:00-11:00 From GWAS to function: The example of the Sardinia founder population – <i>Francesco Cucca (Italy)</i>
11:00-11:30 Coffee break
11:30-12:30 Genome-wide Association Studies (GWAS) Lecture – <i>Bertram Müller-Myhsok (Germany)</i>
12:30-14:00 Lunch Break
<i>Afternoon Workshops</i>
14:00-15:30 Computational tools for Population Genetics Analysis – <i>John Novembre (USA)</i>
15:30-16:00 Coffee break
16:00-17:30 Tutorial on Genome-wide Association Studies (GWAS) – <i>Bertram Müller-Myhsok (Germany)</i>
TUESDAY SEPTEMBER 17 ST
<i>Morning Lectures</i>
09:00-10:00 Whole-Genome Association Analyses in the NHLBI TOPMed Program – <i>Goncalo Abecasis (USA)</i>
10:00-11:00 Genetic effects on gene expression across human tissues. – <i>Stephen Montgomery (USA)</i>
11:00-11:30 Coffee break
11:30-12:30 Inborn errors of immunity: lessons of applied genetics – <i>Antonio Condino-Neto (Brasil)</i>
12:30-14:00 Lunch Break
<i>Afternoon Workshops</i>
14:00-15:30 NGS variant calling – <i>Carlo Sidore (Italy)</i>
15:30-16:00 Coffee break
16:00-17:30 RNAseq analysis and eQTLs Catalog – <i>Stephen Montgomery (USA)</i>
WEDNESDAY SEPTEMBER 18 ST
<i>Morning Lectures</i>
09:00-10:00 Genetics to clinic in type 1 diabetes - <i>John Todd (UK)</i>
10:00-11:00 MS genetics - pitfalls and prospects - <i>Stephen Sawcer (UK)</i>
11:00-11:30 Coffee break
11:30-12:30 Student presentations
12:30-14:00 Lunch Break
<i>Free Afternoon</i>
THURSDAY SEPTEMBER 19 ST
<i>Morning Lectures</i>
09:00-10:00 Cohort-based whole genome sequencing in primary immune deficiency: a trip into genomic space – <i>Ken Smith (UK)</i>
10:00-11:00 Studying immunity at single-cell resolution - <i>Kylie James (UK)</i>
11:00-11:30 Coffee break
11:30-12:30 ImmunoAgeing: putting together the pieces – <i>Eoin McKinney, (UK)</i>
12:30-14:00 Lunch Break
<i>Afternoon Workshops</i>
14:00-15:30 Single cell Data Analysis – <i>Kylie James (UK)</i>
15:30-16:00 Coffee break
16:00-17:30 Poster Session
FRIDAY SEPTEMBER 20 ST
<i>Morning Lectures</i>
09:00-10:00 Rates of Aging and How They Vary Among Individuals– <i>David Schlessinger (USA)</i>
10:00-11:00 Noncoding RNAs in aging physiology and disease – <i>Myriam Gorospe (USA)</i>
11:00-11:30 Coffee break
11:30-12:30 Writing and peer-reviewing papers - <i>Myles Axton (USA)</i>
12:30-14:00 Lunch Break
<i>Adjourn and Departure</i>

Chief Executive: Dr. Andrea Angius

Secretary: Jessica Bazzoli

Please address all correspondence to: info_school@irgb.cnr.it

For more information visit: <https://www.irgb.cnr.it/summer-school/>