



## courses and conferences

### conferences

**CRISPR and Beyond: Perturbations at Scale to Understand Genomes**

1-3 September 2021

**Virus Genomics and Evolution**

13-15 September 2021

**Organoids: Advances and Applications**

28-30 September 2021

**Microbiome Interactions in Health and Disease**

13-15 October 2021

**Plant Genomes in a Changing Environment**

18-20 October 2021

**World Congress on Genetic Counselling**

27-28 October 2021

**Human Evolution - From Fossils to Ancient and Modern Genomes**

2-4 November 2021

**Epigenomics of Common Diseases**

17-19 November 2021

**Mitochondrial Medicine**

30 November-2 December 2021

**Evolutionary Systems Biology**

9-11 February 2022

**Target Validation using Genomics and Informatics**

2-4 March 2022

**Genomic Imprinting - From Biology to Disease**

16-18 March 2022

**Proteomics in Cell Biology and Disease Mechanisms**

23-25 March 2022

**Genomics of Rare Disease**

28-30 March 2022

**Antimicrobial Resistance**

27-29 April 2022

**Healthy Ageing**

25-27 May 2022

### courses

#### laboratory courses

**Single Cell Technologies and Analysis**

26-30 July 2021

**Molecular Pathology and Diagnosis of Cancer**

22-26 November 2021

**Derivation and Culture of Human-Induced Pluripotent Stem Cells (hiPSCs)**

13-16 December 2021

**Genomics and Clinical Microbiology**

23-28 January 2022

**Genomics and Clinical Virology**

20-25 February 2022

#### computational courses

**Proteomics Bioinformatics**

12-16 July 2021

**Genetic Analysis of Mendelian and Complex Disorders**

12-16 July 2021

**Genetic Analysis of Population-based Association Studies**

20-24 September 2021

**Bioinformatics for Immunologists**

27 September-1 October 2021

**Next Generation Sequencing Bioinformatics**

18-22 October 2021

**Computational Systems Biology for Complex Human Disease: from static to dynamic representations of disease mechanisms**

13-17 December 2021

#### lecture/discussion courses

**Clinical Genomics - Fundamentals of Variant Interpretation in Clinical Practice**

19-21 January 2022

**Genomic Practice for Genetic Counsellors**

31 January-02 February 2022

**Evolutionary Biology and Ecology of Cancer**

13-17 June 2022

**How to Teach Genomics - A workshop for nursing and midwifery educators**

11-14 July 2022

### global training

**Antimicrobial Resistance in Bacterial Pathogens**

26 September-1 October 2021 (Africa)

**Genomics and Epidemiological Surveillance of Bacterial Pathogens**

25-29 October 2021 (Latin America)

**Malaria Experimental Genetics**

1-5 November 2021 (Africa)

**Next Generation Sequencing Bioinformatics**

17-21 January 2022 (Asia)

**Working with Pathogen Genomes**

7-11 February 2022 (Latin America)

### online

#### bacterial genomes series:

**Disease Outbreaks and Antimicrobial Resistance**

**Accessing and Analysing Microbial Genome Data Using Artemis**

**Comparative Genomics using Artemis Comparison Tool (ACT)**

1 August 2021- 31 July 2022

**Antimicrobial Resistance in Bacterial Pathogens**

August 2021

**Bioinformatics for Biologists, an Introduction to Linux, Bash Scripting and R**

6- 27 September 2021

**What is Genetic Counselling?**

September 2021

**Genomic Scenarios in Primary Care**

October 2021

### submit a proposal

Our programme spans basic research and translational biology, with an emphasis on large-scale approaches and innovative technologies in genetics, genomics and infectious diseases.

To propose a conference or online course idea, follow our guidance here

<http://bit.ly/SubmitConferenceIdea>

More info and register:  
<http://bit.ly/2021-WCS-Events>

@eventsWCS