GENETIC ENGINEERING OF MAMMALIAN STEM CELLS

10 – 22 March 2019
Wellcome Genome Campus, UK

This laboratory-based training course will provide a comprehensive overview of the theory and practical laboratory skills required for the genetic manipulation of mammalian stem cells, focusing on human iPS cells.

PROGRAMME

- Informatics
- CRISPR Gene Targeting Vector Construction
- Stem Cell Culture/Genome Editing
- Genome-wide screens
- iPS Cell Generation
- Organoid Derivation and Differentiation

COURSE INSTRUCTORS

- Barry Rosen AstraZeneca, UK
- Mark Thomas Wellcome Sanger Institute, UK
- An-Sofie Lenaerts Cambridge Biomedical Research Centre, UK
- Emma Rawlins The Gurdon Institute, UK
- Andrew Bassett Wellcome Sanger Institute, UK
- Madeline Lancaster MRC Laboratory of Molecular Biology, UK
- Emmanouil Metzakopian Wellcome Sanger Institute, UK
- Marcello Maresca AstraZeneca, Sweden

GUEST SPEAKERS

- Christine Mummery Leiden University Medical Center, The Netherlands
- Alexis Komor University of California San Diego, USA
- Luke Gilbert University of California San Francisco, USA
- Kevin Eggan Harvard Stem Cell Institute, USA
- Ulrich Elling Institute of Molecular Biotechnology, Austria

APPLICATION & BURSARY DEADLINE
22 November 2018
Full details at: bit.ly/GEMSCs-19