COMPUTATIONAL GENOMICS APPROACHES TO PRECISION MEDICINE

CONFIRMED LECTURERS

ALTUNA AKALIN
Max Delbrück Center,
Berlin Institute for Medical Systems Biology

UWE OHLER
Max Delbrück Center,
Berlin Institute for Medical Systems Biology

NIKOLAUS RAJEWSKY
Max Delbrück Center,
Berlin Institute for Medical Systems Biology

NICHOLAS D. SOCCI
Memorial Sloan Kettering Cancer Center,
New York, USA

MARK ROBINSON
University of Zurich, Switzerland

ROLAND SCHWARZ
University of Cambridge, UK

CHRIS E. MASON
Weill Cornell Medical College
New York, USA

DAVIDE RISSO
UC Berkeley, USA

12-23 SEP 2016 I Berlin

Germany I Berlin Institute for Medical Systems Biology, Max Delbrück Center

Application Deadline
01 July 2016

COURSE MODULES

· Introduction to R & Bioconductor
· Statistics and Exploratory Data analysis
· Introduction to Next-gen sequencing
· RNA-seq analysis
· ChIP-seq analysis
· Variant calling and annotation
· Data integration and predictive modeling
· Metagenomics and human health
· Cancer classification based on HT-seq data

http://compgen2016.mdc-berlin.de

MDC
MAX DELBRÜCK CENTER
FOR MOLECULAR MEDICINE
IN THE HELMHOLTZ ASSOCIATION
BIMSB THE BERLIN INSTITUTE
FOR MEDICAL SYSTEMS BIOLOGY

de.NBI
GERMAN NETWORK FOR BIOINFORMATICS INFRASTRUCTURE

Bundesministerium
für Bildung
und Forschung