



# The Workshop on next-gen sequencing technologies and applications

CEITEC MU

Kamenice 5, Brno

START: 09.00

18<sup>th</sup> – 20<sup>th</sup>

January 2017

The workshop on next-gen sequencing technologies and applications will be focused on both theoretical and practical aspects of next-generation sequencing including but not limited to applications of NGS in medicine (eg. sequencing of somatic genomes, rare variant screening).

## Wednesday 18<sup>th</sup> January (9.00-17.00, building A35, Room 211)

Theory and practice in Next-generation sequencing technology by Boris Tichy, CEITEC MU

## Thursday 19<sup>th</sup> January 2017 (9.00-16.30, building A11, Room 114)

Lectures of invited speakers:

- Vladimir Benes, EMBL Heidelberg, Germany "*NGS today and in the future*"
- Lesley Ann Sutton, Uppsala University, Sweden "*Applications of NGS technologies in functional genomics: The CLL story*"
- Andreas Agathangelidis, CERTH, Greece "*High throughput immunogenetics in Chronic lymphocytic leukemia*"
- Nikos Papakonstantinou, CERTH, Greece "*Dissecting the role of the histone methyltransferase EZH2 in CLL*"
- Filip Pardy, CEITEC, the Czech Republic "*Introduction to MinION technology*"
- Jan Provaznik, EMBL Heidelberg, Germany "*Genome assembly – Size matters*"
- Jonathan Landry, EMBL Heidelberg, Germany "*RNA-seq data analysis – Practical assessment of the best practices*"

## Friday 20<sup>th</sup> January 2017 (9.30-12.00, building A35, Room 211)

Individual discussions with guest lecturers

The programme will be available soon.

