



MASARYK
UNIVERSITY



Transcriptome analysis course

CEITEC MU

Kamenice 5, Brno
Entrance from Studentská street

Laboratory No.254, building A35

30th January –
10th February

 START: 09.00

The aim of this course is the characterization of the transcriptome profile of genetically –engineered human stem cells (GE-hSCs). More specifically, cells engineered to inducibly overexpress pathological mutant proteins will be cultured in CEITEC's Core facility Genomics.

Cells will be isolated at specific time points after transgene induction and total RNA will be extracted. Quality control of isolated RNA will be performed and libraries will be prepared for RNA-seq. Finally, raw data will be analyzed and the final results will be evaluated by the invited trainers and CEITEC scientists.

Course lecturers:

Boris Tichy, CEITEC MU, Czech Republic
Mata Laidou, INAB CERTH, Greece
Spyros Petrakis, INAB CERTH, Greece

Amount of places in the course is **limited to 10**.

Register at the room A35/256 **until 20th December**.



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