





# Transcriptome analysis course

### **CEITEC MU**

Kamenice 5, Brno

Laboratory No.254, building A35

30/1 - 10/2/2017



## Course programme

### Monday 30.1.2017

13.00-16.00\* Introduction to the course

Trainers: B. Tichy, S. Laidou

## Tuesday 31.1.2017

9.00 – 15.00 Thawing of GH-hSCs and culture

Trainers: B. Tichy, S. Laidou

## Wednesday 1.2.2017

9:00 — 15:30 Induction of transgene expression in GE-hSCs

Trainers: B. Tichy, S. Laidou

## Thursday 2.2.2017

10:00 - 12:00 Selection of the appropriate protocols for the RNA isolation and library preparation procedures

Trainers: B. Tichy, S. Laidou

### Friday 3.2.2017

9:00 – 15:30 Isolation of GE-hSCs two days post-transgene induction (time point A)

Trainers: S. Laidou









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Monday 6.2.2017

9:00 – 15:30\* Isolation of GE-hSCs five days post-transgene induction (time point B)

Trainers: S. Laidou

Tuesday 7.2.2017

9:00 – 15:30 RNA isolation and quality control test for time points A and B

Trainers: S. Laidou

Wednesday 8.2.2017

13:00 – 18:00 Library preparation for transcriptome analysis of samples from time points

A and B

Trainers: S. Petrakis, S. Laidou

Thurdsay 9.2.2017

 ${\tt 11:00-18:30}$  Library preparation for transcriptome analysis of samples from time points

A and B

Performing the RNA-seq run

Trainers: S. Petrakis, S. Laidou

Friday 10.2.2017

9:00 – 14:00 Quality control test of RNA-seq raw data and interpretation of the results S. *Trainers: B. Tichy, S. Petrakis, S. Laidou* 

\*expected time for the end of the session



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