



Transcriptome analysis course

CEITEC MU

Kamenice 5, Brno
Laboratory No.254, building A35

30/1 – 10/2/2017

START: 09.00

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

Thursday 9.2.2017

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

