

Practical part – work plan

13th of July 2017

No.	Time	Molecular Biology	Proteomics	Cell culture	Flow cytometry
Team 1	09:00 – 10:30				
Team 2	09:00 – 10:30				
Team 3	09:00 – 10:30				
Team 4	09:00 – 10:30				
15 minute short refreshment break and exchange laboratory					
Team 1	10:45 – 12:15				
Team 2	10:45 – 12:15				
Team 3	10:45 – 12:15				
Team 4	10:45 – 12:15				
12:30 Lunch at Gaudeamus student restaurant					
Team 1	13:30 – 15:00				
Team 2	13:30 – 15:00				
Team 3	13:30 – 15:00				
Team 4	13:30 – 15:00				
15 minute short refreshment break and exchange laboratory					
Team 1	15:15 – 16:45				
Team 2	15:15 – 16:45				
Team 3	15:15 – 16:45				
Team 4	15:15 – 16:45				

Meeting point TRANSCEND – IRO, IASI 08:45

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Proteomics laboratory will provide demonstration of:

- I. Affinity – mass spectrometric approach for studying antigen -antibody interaction;
- II. MALDI - Imaging experimental work flow;

Trainers: Dr. R. Avadanei, Dr. A. Petre, Dr. L. Ion, Dr. A. Neamtu and Dr. R. Iliescu.

Molecular Biology - the functioning principle of molecular biology techniques

- I. Work flow and interpretation of Sanger sequencing data
- II. CGH microarray work flow and data interpretation

Trainer: *Dr. Iuliu Ivanov*

Cell culture laboratory will provide demonstration of:

- I. 2D cell culture (handling procedure, preparation for future analysis)
- II. 3D cell culture (3D matrigel assay, mammosphere assay)

Trainer: *Dr. Crina Tiron*

Flow cytometry laboratory will provide demonstration of:

- I. Work flow of cell suspension samples in a patient diagnostic setup;
- II. Immune phenotype data analysis;

Trainer: *Dr. Florin Zugun*

Closing remarks!