



Course program

Molecular Biology Methods

Monday/Tuesday, September 2+3, 2024

Day 1: Conventional and real-time quantitative PCR, Chromatin immunoprecipitation and Gene Silencing

UZH Irchel Campus - Room Y10 - G03/04

09:00 – 09:15 h	Introduction to the course
09:15 – 09:45 h	Real-time quantitative PCR – part I
09:45 – 10:00 h	Break
10:00 – 10:45 h	Real-time quantitative PCR – part II
10:45 – 11:00 h	Break
11:00 – 11:45 h	Real-time quantitative PCR – part III
11:45 – 13:00 h	Lunch
13:00 – 13:45 h	Real-time quantitative PCR – part IV
13:45 – 14:00 h	Break
14:00 – 14:45 h	Chromatin immunoprecipitation
14:45 – 15:00 h	Break
15:00 – 15:45 h	Transfection and gene silencing
15:45 – 16:30 h	Case scenarios



Day 2: Functional Genomics, Western blotting and Immunoprecipitation

Functional Genomics Center at Irchel Campus - Room Y10 - G03/04

09:30 – 12:00 h Guided visit to the Functional Genomics Center Zurich

12:00 – 13:00 h Lunch

UZH Irchel Campus - Room Y10 - G03/04

13:00 – 13:45 h Western blot analysis – part I

13:45 – 14:00 h Break

14:00 – 14:45 h Western blot analysis – part II

14:45 – 15:00 h Break

15:00 – 15:45 h Immunoprecipitation

15:45 – 16:30 h Case scenarios

Contact person: PD Dr. Pedro A. Ruiz-Castro (pa.ruizcastro@gmail.com)