

SLM 2019

PROGRAM



MONDAY, November 25, 2019

08:30-09:00 registration

Theoretical part

09:00-09:30 Introductory word and practical information and facility tour.

09:30-10:00 Resolution in the light microscopy - knowledge unifying lecture

10:00-10:50 STED - principles, theoretical background. *Ivan Novotný*

coffee break

11:10-12:00 SIM - principles, theoretical background. *Martin Čapek*

12:00-12:50 SMLM - principles, theoretical background. *Marie Olšinová*

lunch

13:50-15:00 SHORT TALKS: Self-presentations of participants - 12x 5 min short talk

Practical sessions (3 parallel groups)

15:30-20:00 STORM(group1) | STED(group2) | SIM(group3) coffee break is included

dinner and afterdinner discussion

TUESDAY, November 26, 2019

Theoretical part

08:30-09:00 scientific lecture 1

09:00-09:40 High resolution computational methods in LM. *Michaela Efenberková*

09:40-10:00 scientific lecture 2

coffee break

10:15-11:00 RESOLFT, RESCue and MINField. *Aleš Benda*

11:00-12:00 Presentations of course partners (4 presentations per 15')

lunch

Practical sessions (3 parallel groups)

13:30-18:00 STORM(group3) | STED(group1) | SIM(group2) coffee break is included

18:30 SOCIAL NETWORKING PROGRAM

WEDNESDAY, November 27, 2019

Theoretical part I

09:00-09:30 Sample preparation: principles, rules and tips. *Helena Chmelová*

09:30-10:00 SR microscopy and live cell imaging. *Ivan Novotný*

coffee break

10:15-10:45 scientific lecture 3

10:45-11:30 DNA origami: Nanoscopic rulers for SR microscopy. *Jürgen Schmied, invited speaker*

lunch

Practical sessions (3 parallel groups)

12:30-17:00 STORM(group2) | STED(group3) | SIM(group1) coffee break is included

17:15-18:00 Final evaluation and closing remarks, refreshment

The course is organized by the **Institute of molecular genetics, CAS** in the framework of the **Czech-BioImaging** research infrastructure supported by **Ministry of education youth and sports (LM2015062)**

