

Schedule

Comparative Morphology Methods

Saturday 9 June (Akrinn building, NTNU, Sverresgate 12)

10:00 Welcome and introduction to the course
 10:15 Nataliya Budaeva & Katrine Kongshavn: SEM - theory
 12:00 Nataliya Budaeva & Katrine Kongshavn: SEM - Images (recognition of structures) & Discussion
 13:00 Lunch
 14:00 Patrick Beckers: Histology: - theory
 16:00 Patrick Beckers: Histology (recognition of structures) & Discussion
 17:00 Discussion

Sunday 10 June (Akrinn building, NTNU, Sverresgate 12)

9:00 Patrick Beckers: CLSM and immunostaining - theory
 11:00 Patrick Beckers: CLSM – Images (recognition of structures) & Discussion
 12:00 Lunch
 13:00 Elelna Temereva: TEM – theory
 15:00 Elena Temereva: TEM – Images (recognition of structures) & Discussion
 17:00 Discussion - Wrap up of the different techniques
 17:30 Logistics for the lab, groups, organisms, security measures, etc...

11-14 June (CMIC, Kunnskapsenteret, 2rd Floor (3. etg.), St. Olavs Hospital, Olav Kyrres gate 10)

MONDAY				
	Group 1	Group 2	Group 3	Group 4
Morning (8.30-12.00)	Preparation HIS	Preparation CLSM	Preparation SEM	Preparation TEM
Afternoon (12.45-15.35)	HIS	CLSM	SEM	TEM
After 4 pm – questions and discussion				

TUESDAY				
	Group 1	Group 2	Group 3	Group 4
Morning (8.30-12.00)	Preparation TEM	Preparation HIS	Preparation CLSM	Preparation SEM
Afternoon (12.45-15.35)	TEM	HIS	CLSM	SEM
After 4 pm – discussion about results				

WEDNESDAY				
	Group 1	Group 2	Group 3	Group 4
Morning (8.30-12.00)	Preparation SEM	Preparation TEM	Preparation HIS	Preparation CLSM
Afternoon (12.45-15.35)	SEM	TEM	HIS	CLSM
After 4 pm – questions and discussion				

THURSDAY

	Group 1	Group 2	Group 3	Group 4
Morning (8.30-12.00)	Preparation CLSM	Preparation SEM	Preparation TEM	Preparation HIS
Afternoon (12.45-15.35)	CLSM	SEM	TEM	HIS
After 4 pm: – questions and discussion				

Friday 15 June

Morning: Theory and demo on 3D SEM - Teneo Volumescop

1. Principle for Volumescop
2. Sample preparation
3. Volumescop
4. Amira – Image analysis

Afternoon: Image analyses: theory, examples of software

Saturday 16 June

Morning: Student's presentations (in groups), comparison of results, questions, discussion, student's evaluation.

Afternoon: Departure