



INSTRUCT cryo-EM workshop on sample preparation for Single Particle Analysis

23-25 May 2022
IBS, EMBL, ILL & ESRF

Monday, 23/05/2022

- 08:15 Welcome in the entrance area, ESRF Central Building
- 08:30 Introduction of tutors and participants, ESRF Auditorium
- 09:00 "Sample preparation for Cryo-Transmission Electron Microscopy" (Felix de Haas, TFS, *in-visio*), ESRF Auditorium
- 09:45 "Cryo-EM at EPN" (C. Mueller-Dieckmann, ESRF and G. Schoehn, IBS), ESRF Auditorium
- 10:15 *Group photo*
- 10:30 Vitrobot practical session IB (3 demonstrations and training in parallel for Group B1 (IBS), B2 and B3) - Negative staining practical session I (Group A (IBS)): grid preparation and observation & T12/F20
- 12:30 *Lunch at the EPN campus restaurant*
- 14:00 Vitrobot practical session IA (3 demonstrations and training in parallel for Group A1 (IBS), A2 and A3) - Negative staining practical session I (Group B (IBS)): grid preparation and observation & T12/F20
- 16:00 Clipping grids
- 16:30 *Coffee break*
- 17:00 Discussion in ESRF Auditorium (chair: C. Mueller-Dieckmann)
- 19:00 *Dinner at the EPN campus restaurant and end of the day*

Tuesday, 24/05/2022

- 09:00 Glacios IBS IB (Group B1) - Krios session IB (Group B2) - Glacios EMBL IB (Group B3) – Vitrobot session IIA (Group A1 (IBS), A2 and A3)
- 10:30 Glacios IBS IA (Group A1) - Krios session IA (Group A2) - Glacios EMBL IA (Group A3) – Vitrobot session IIB (Group B1 (IBS), B2 and B3)
- 12:00 *Lunch at the EPN campus restaurant*
- 13:00 Clipping/Loading of grids
- 13:30 Glacios IBS IIB (Group B1) - Krios session IIB (Group B2) - Glacios EMBL IIB (Group B3) - Vitrobot practical session IIIA (Group A1 (IBS), A2 and A3)
- 15:00 Glacios IBS IIA (Group A1) - Krios session IIA (Group A2) - Glacios EMBL IIA (Group A3) - Vitrobot practical session IIIB (Group B1 (IBS), B2 and B3)

16:30 *Coffee break*

17:00 Discussion in ESRF Auditorium and gift tokens (chair: G. Schoehn)

19:00 *Dinner at the EPN campus restaurant and end of the day*

Wednesday, 25/05/2022

09:00 Krios session III (Group A1 and A2) - Leica visit to ID16 (Group B1 and B2) - Vitrobot session IV (Group A3 and B3 in ESRF)

09:45 Krios session III (Group A3 and B3) - Leica visit to ID16 (Group A1 and A2) - Vitrobot session IV (Group B1 and B2 in ESRF)

10:30 *Break*

10:45 Krios session III (Group B1 and B2) - Leica visit to ID16 (Group A3 and B3) - Vitrobot session IV (Group A1 and A2 in ESRF)

11:30 Discussion in ESRF Auditorium and ending (chair: I. Kandiah)

12:15 *Lunch at the EPN campus restaurant and end of the workshop*