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

23-25 May 2023
IBS, EMBL, ILL & ESRF

Tuesday, 23/05/2023

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" (TBD), BEL/IBS

09:45 "Cryo-EM at EPN" (C. Mueller-Dieckmann, ESRF and G. Schoehn, IBS), BEL/IBS

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 BEL/IBS (chair: C. Mueller-Dieckmann)

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

Wednesday, 24/05/2023

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 BEL-101 (chair: G. Schoehn)

19:00 *Workshop dinner*

Thursday, 25/05/2023

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 BEL-101 and ending (chair: I. Kandiah)

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