



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 of the ESRF Central Building and *coffee in room BEL 1-01*
- 08:30 Introduction of tutors and participants, BEL 1-01 (E. Kandiah)
- 09:00 “Cryo-EM at EPN” (E. Kandiah, ESRF and G. Schoehn, IBS), BEL 1-01
- 09:20 “Sample preparation for Cryo-Transmission Electron Microscopy” (D. Traore, TFS), BEL 1-01
- 10:00 *Group photo in front of the ESRF Central Building entrance hall*
- 10:30 Vitrobot practical session IB (3 demonstrations and training in parallel for Groups B1 (IBS), B2 (ESRF2) and B3 (ESRF1)) - Negative staining practical session I (Group A (IBS)): grid preparation and observation & T12/F20
- 12:30 *Lunch at the EPN campus restaurant on the ground floor (tables booked at the back of the restaurant)*
- 14:00 Vitrobot practical session IA (3 demonstrations and training in parallel for Groups A1 (IBS), A2 (ESRF1) and A3 (ESRF2)) - Negative staining practical session I (Group B (IBS)): grid preparation and observation & T12/F20
- 16:00 Demo on clipping of grids (IBS: Groups A1 and B) (ESRF: Groups A2 and A3)
- 17:00 *Coffee break in room BEL 1-01*
- 17:30 Discussion in room BEL 1-01 (chair: D. Traore)
- 19:00 *Dinner at the EPN campus restaurant on the 1st floor (no tables booked) 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 (Groups A1 (IBS), A2 (ESRF1) and A3 (ESRF2))
- 10:30 Glacios IBS IA (Group A1) - Krios session IA (Group A2) - Glacios EMBL IA (Group A3) – Vitrobot session IIB (Groups B1 (IBS), B2 (ESRF2) and B3 (ESRF1))
- 12:00 *Lunch at the EPN campus restaurant on the ground floor (tables booked at the back of the restaurant)*
- 13:00 Demo on loading of grids (IBS: Groups A1 and B1) (ESRF: Groups A2, A3, B2 and B3)
- 13:30 Glacios IBS IIB (Group B1) - Krios session IIB (Group B2) - Glacios EMBL IIB (Group B3) - Vitrobot practical session IIIA (Groups A1 (IBS), A2 (ESRF1) and A3 (ESRF2))
- 15:00 Glacios IBS IIA (Group A1) - Krios session IIA (Group A2) - Glacios EMBL IIA (Group A3) - Vitrobot practical session IIIB (Groups B1 (IBS), B3 (ESRF1) and B2 (ESRF2))

16:30 Coffee break in room BEL 1-01

17:00 Discussion in BEL 1-01 (chair: G. Schoehn)

18:30 Poster session with cocktail dinner on the ESRF mezzanine

Thursday, 25/05/2023

09:00 Krios session III (Groups A1 and A2) - Leica demo in IBS (Groups B1 and B2) - Vitrobot session IV (Groups A3 (ESRF2) and B3 (ESRF1))

09:45 Krios session III (Groups A3 and B3) - Leica demo in IBS (Groups A1 and A2) - Vitrobot session IV (Groups B1 (ESRF1) and B2 (ESRF2))

10:30 Break

10:45 Krios session III (Groups B1 and B2) - Leica demo in IBS (Groups A3 and B3) - Vitrobot session IV (Groups A1 (ESRF2) and A2 (ESRF1))

11:30 Discussion in BEL 1-01 and ending (chair: E. Kandiah)

12:15 Lunch at the EPN campus restaurant either on the ground or 1st floor (no tables booked) and end of the workshop