

eBIC BAG Remote User Training for SPA (EPU)



Hosted virtually – times are UK (GMT)

Organiser(s): Kyle Morris (eBIC)

Day 1

Instructor demonstration, student learning (all groups)

09:30–10:00	Arrival: Welcome and Intro on virtual platform (co-ordinator)
10:00–10:50	Session 1-0: Remote session, ISPyB sample shipping, NoMachine (co-ordinator)
10:50–11:00	Break
11:00–12:00	Session 1-1: Intro to EPU, manual image acquisition, image shift calibrations (eBIC) Atlas (eBIC)
12:00–13:00	Lunch
13:00–14:45	Session 1-2: Atlas inspection, navigation, and documentation (eBIC) Target setup (eBIC)
14:45–15:00	Break
15:00–16:00	Session 1-3: Alignments in EPU, start collection and on-the-fly analysis (eBIC)

Day 2

Student practise (split into groups)

10:00–11:00	Session 2: Student 1 – Atlas, Presets, image shift calibrations and session setup
11:00–12:00	Session 2: Student 2 – Atlas, Presets, image shift calibrations and session setup
12:00–13:00	Lunch
13:00–13:50	Session 3: Student 1 – Manual screen, set up squares and template definition
13:50–14:45	Session 3: Student 2 – Manual screen, set up squares and template definition
14:45–15:00	Break
15:00–16:00	Session 4: Students 1/2 – Alignments in EPU, start collection and on-the-fly analysis

Day 3

Student practise (split into groups)

10:00–11:00	Session 5: Student 3 – Atlas, Presets, image shift calibrations and session setup
11:00–12:00	Session 5: Student 4 – Atlas, Presets, image shift calibrations and session setup
12:00–13:00	Lunch
13:00–13:50	Session 6: Student 3 – Manual screen, set up squares and template definition
13:50–14:45	Session 6: Student 4 – Manual screen, set up squares and template definition
14:45–15:00	Break
15:00–16:00	Session 7: Students 3/4 – Alignments in EPU, start collection and on-the-fly analysis

End of course

Background

To improve the efficiency and effectiveness of eBIC BAG user sessions and to help users get the most from their sessions, you have been selected by your BAG coordinator and scheduled for remote BAG user training.

This is a 3-day remote session on an eBIC microscope. This is standard operator training and will ensure you have 100% coverage in your knowledge, as well as to equip you for the unique challenges of remote operation, with Local Contact support. For you, we aim to help you get the most from your sessions and for us, we expect you to act as a local knowledge point to assist others in your BAG with their remote sessions.

You will be provided with 1 day of remote demonstration by expert eBIC staff and then over 2 days be given the opportunity to set up remote sessions and troubleshoot any gaps in your knowledge. The schedule presents the course structure, but you will find greater detail in our User Guides which closely represent our training curriculum. This course will be using standard in-house samples prepared by eBIC staff.

Instructions to attendees

- Please download (or update to the latest version) and set up the following prior to the course start:
Microsoft Teams (<https://www.microsoft.com/en-gb/microsoft-teams/free>)
NoMachine (<https://www.nomachine.com>)
- Please check you can log in to Diamond systems:
<https://uas.diamond.ac.uk>
- Please check you know your Diamond FedID:
<https://www.diamond.ac.uk/Users/Experiment-at-Diamond/IT-User-Guide.html>
- If you need to change your Diamond FedID password:
<https://access.stfc.ac.uk>
- Please refer to the programme and visual timetable on the following page to confirm which days you will control the microscope session and on which days you will observe.
- **Please download and consult the appropriate user guides for your training session:**
<https://www.diamond.ac.uk/Instruments/Biological-Cryo-Imaging/eBIC/User-Guide/User-guide-downloads.html>

Remote access and analysis:	User guide (applicable to all user sessions)
Single particle analysis:	EPU user guide
Tomography:	Tomo5 user guide
- You will be sent a virtual meeting invitation prior to the start of your course.
- You will be asked to provide feedback on the course after attending and we would really appreciate your response.
- Please note that we will be recording the sessions for training purposes. ***Disclaimer*** It may be the case that your screen name or video is captured on the recording – if you strongly prefer not to be recorded, please contact kyle.morris@diamond.ac.uk to advise of your preference in advance of your session.
- We ask everyone to keep their cameras on throughout the course to enable better interaction.
- This course aims to be informal and inclusive, so please feel free to interact with the instructors the same as you would at an in-person course.

Date	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Microscope		Krios IV (m07)	Krios IV (m07)	Krios IV (m07)			
Session ID		bi23047	bi23047	bi23047			
Group		Group 1 & 2	Group 1	Group 1			
<i>Instructor</i>		eBIC 1 / eBIC 2 / eBIC 3	eBIC 1	eBIC 1			
<i>Student controller</i>		-	Student 1 / Student 2	Student 3 / Student 4			
<i>Student observer</i>		All	Student 3 / Student 4	Student 1 / Student 2			
Microscope		Krios II (m03)	Krios II (m03)	Krios II (m03)			
Session ID		bi23047	bi23047	bi23047			
Group			Group 2	Group 2			
<i>Instructor</i>			eBIC 2	eBIC 2			
<i>Student controller</i>			Student 5 / Student 6	Student 7 / Student 8			
<i>Student observer</i>			Student 7 / Student 8	Student 5 / Student 6			

- Demonstration to all groups
- Practise and observation (group 1)
- Practise and observation (group 2)