

## Department of Environment and Biodiversity

Laboratory Unit:	Core Facility of Electron Microscopy
Rooms:	E-2.001, E-2.002, E-2.004, E-2.005, E-2.006, E-2.025, E-2.026, E-2.028, E-2.032, E-2.033, E-2.049, E-2.054, D-2.025
Responsible:	Astrid Obermayer
Co-Responsible:	Bernd Minnich
Consultation prior to work:	Astrid Obermayer, Bernd Minnich
Latest update:	April 2024

### Local Safety Rules

- Users must be familiar with the hazard labels, specific hazards and follow the instructions by the lab managers.
- Protective gear (lab coat, gloves, goggles, closed toe shoes) must be used.
- Working alone in above listed rooms is permitted provided training has taken place and relevant documents are filed correctly.
- Working with hazardous substances (GHS substances) is only allowed when at least one other person is present.
- Chemicals must be handled and disposed of according to the instructions on the safety data sheet or by the lab managers.
- Chemicals should be kept in their original packings if possible. If the transfer to other containers is necessary, they must always be labelled with the full name of the substance and GHS symbols.
- Work with toxic, corrosive, volatile and/or combustible chemicals must be performed in the fume hoods only.
- Blades, syringe needles, glass items (slides, sectioning knives,..) and other sharp objects have to be disposed of in provided yellow glass containers.

#### TEM Lab, room E-2.054

- The waste containers on benches are emptied to the residual waste. Anything contaminated with toxic substances has to be collected as special waste and must be labelled accordingly.
- The use of osmiumtetroxide must be registered and any solution containing it must be pipetted using disposable plastic pasteur pipettes.
- Unsupervised incubations containing hazardous chemicals (e.g. osmiumtetroxide) in the fume hood must be labelled appropriately to inform other lab users.

#### TEM, SEM, rooms E-2.001, E-2.004,

- Electron microscopes must be operated only after having been instructed by Astrid Obermayer (TEM, SEM) or Bernd Minnich (SEM). The microscopes are used only weekdays between 08:00 and 18:00 when members of the lab management are present.
- Users must always stay clear of the high voltage units.

### Ultramicrotomy, rooms E-2.005, E-2.006

- Ultramicrotomes must be used only after having been instructed by Astrid Obermayer or persons authorised by her.
- Ethanol and similar substances are only allowed in small amounts for immediate use.

### High Vacuum Lab, room E-2.049

- The equipment in the high vacuum lab must be used only after having been instructed by Astrid Obermayer, Bernd Minnich or persons authorised by them.
- The main valves of gas bottles must be kept close except for immediate use.
- Gas bottles must always be affixed at their designated place.
- Specific safety equipment (e.g. implosion guard) must always be used.

### Chemical Store Rooms, rooms D-2.025, E-2.025

- Obtaining chemicals from the store rooms is only allowed upon approval by the lab management.
- Special waste that is stored until disposal must be labelled with the full names of the chemicals, GHS symbols and waste category numbers.

### Cryogenic Lab, room E-2.033, E2.026

- Handling of liquid nitrogen is allowed only after having been instructed by members of the lab management or persons authorised by them.
- Cryoprotective gear must be worn.
- The lab door must be kept open to ensure sufficient ventilation.

### Emergency



Building manager: ext 6821

Fire: 0 – 122

Ambulance: 0 – 144

Info Poisoning Treatment: 01- 406 43 43

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### User:

I confirm that I have read and understood the above Local Safety Rules

Date \_\_\_\_\_

Signature \_\_\_\_\_

### Laboratory Responsible:

I confirm that above named person was trained on the basis of the Local Safety Rules.

Date \_\_\_\_\_

Signature \_\_\_\_\_