

# Bruker Dimension Icon AFM and Profilometer

## Local Rules

### 1) User access and Classes of Users

Access to Bruker Icon AFM as well as the profilometer are provided to all the members of the CGC as well as external users provided that they have received the necessary lab induction and training and filled the risk assessment. Users are divided into three classes, and access to AFM's modules is restricted according to the class each member belongs to.

The three classes are:

**Universal users:** Universal users are allowed to use every module of the AFM. They train all the other users. Only they are allowed to change tips, tip holders and modules.

**Specialized users:** Specialized users are allowed to perform general morphology scans using ScanAsyst Mode, plus only the specific modules they have been trained for. They are NOT allowed to use any other module but those they have been trained for. They are NOT allowed to train anyone and to change tip or tip holder. If a change of tip is required, they have to ask for help to Universal users.

**General users:** People belonging to this group are allowed to perform general morphology scans using ScanAsyst Mode ONLY. They are NOT allowed to change tip or tip holder and they are NOT allowed to train anyone. If a change of tip is required, they have to ask for help to Universal users.

### 2) Booking system and rules

Booking in advance is required in order to use the AFM as well as the profilometer. In the booking slot, apart from their name, users MUST specify the specific module they want to use. If a mode different from ScanAsyst will be used, Universal Users need to be informed well in advance. Only Universal Users are allowed to set up the system with a different module, tip and tip holder.

The rules for booking are the followings:

The time is organized in slots of 2 hours each, from 8 am to 10 pm.

Each user is allowed to have up to 3 active slots booked at the same time in the whole calendar. In case of ScanAsyst Mode, it is NOT allowed to book more than 3 continuous slots nor more than 3 slots per day. For any specific requirement related to any other application module, please get in touch with the Universal Users.

### 3) Guests and collaborators

Guests and collaborators need to be notified to the Universal users in advance. They have to be accompanied continuously by a member of NMS group. The experiment **MUST** be carried out by a person **AUTHORIZED** to perform the specific experiment required by the collaboration.

### 4) Suggestions and Infringements to the rules

We are open to any suggestion that might improve the operation of the AFM system. People who infringe the aforementioned rules will be banned from using the machine for a period proportional to the seriousness of the transgression.

### 5) General Rules

- Never switch off the PC. In case of a system freeze contact Anna or Matteo
- Do not change samples in the middle of operation; wait for the stage to finish moving.
- Make sure that the stage is clear of tools, objects, and debris at all times. Use alcohol wipes periodically to keep the stage clean of dust. Dispose of wipes in an appropriately labelled solvent-contaminated waste container
- Do not leave your samples in the room
- Fill the log-book