

## Nano Center Training instructions

Last updated 09.11.2020

Dear Nano members

Following the opening of the new academic year under the shadow of COVID 19, we realize the need in training sessions for new students so they will be able to use the nano Center facilities. All visitors and users are request to follow the general guidelines. In addition, here are the specific guidelines for training:

### UNF – Unit for nano Fabrication

#### **Clean room safety training**

- 1<sup>st</sup> Step: General HUJI Safety Training Approval
- 2<sup>nd</sup> Step: ZOOM Lecture about our particular safety conditions  
PLEASE NOTE – during the Zoom
  - **All students must be with camera ON**
  - A simple American test will be held in the end
- 3<sup>rd</sup> Step: Gowning Room Training (movie, provided by us)
- 4<sup>th</sup> Step: Clean room tour with Rami
  - Group of 2 or 3 students
  - Social Distance around 1m (clean-room + gowning)

#### **Specific equipment training (after completing the safety training)**

- One to one basis
- Social distance around 1m (clean-room + gowning)
- We strive to complete each student training as quickly as possible and it depends on their attention and readiness. Students are required to take notes during the training

Please contact Shimon ([shimone1@savion.huji.ac.il](mailto:shimone1@savion.huji.ac.il)) for coordinating the training needs of your group students

### UNC – Unit for Nano Characterization

#### **Operation Training at an Instrument**

Due to the restrictions implemented by the COVID19 epidemic, operation training at the UNC instruments is provided on a personal basis. Below are the details of the new training path:

##### **1. A request for training**

Please, email the UNC staff member responsible for the specific instrument about your intention to be trained for the independent operation of this instrument. If you do not know which staff member to contact, please, email Dr. Inna Popov ([innap@savion.huji.ac.il](mailto:innap@savion.huji.ac.il)).

The staff member answering your request will discuss with you the details of your samples, the measurement techniques available, and the scope of your work. At the end of this discussion, you (i) will get materials for reading about the analytical technique basics and the Operation

Guide of the instrument; (ii) will be proposed to proceed to the introduction to practical operation in one of the following alternative ways:

## **2. An introduction to the practical operation:**

2A. If you have an experience groupmate operating the instrument of interest, you will need to participate in the measurements' sessions of this person to get your introductory knowledge.

2B. If you do not find an experience groupmate, the UNC staff member in charge of the instrument will book you a series of short and intensive training sessions to introduce you to the issues of practical operation.

After getting introductory knowledge/information at step 2 you will need to develop/strengthen your operating skills at the following step 3.

## **3. An independent operation of the instrument under the supervision of the UNC staff member**

The staff member/experienced groupmate will reserve for you a few measurement sessions during the day hours (8-17).

You will need to operate the instrument to analyze your samples while the UNC staff member will stay around in the lab area to answer your questions and provide you with any help needed to solve your operational tasks.

*Note 1: We warmly recommend you asking the UNC staff member for assistance in finding the proper acquisition conditions for your combination of sample & characterization task. This will save you a lot of time and effort to get to the valid characterization results.*

This step will be finalized by the examination (step 4 ) done by the UNC staff member.

## **4. An Examination**

At the exam, the UNC staff member will check your operational skills to ensure that you safely operate the instrument and follow the instructions of the Operation Guide. Once you pass the exam successfully, you will be permitted to book time and operate the instrument by yourself during the day hours (8-17) (you will get an operation license).

After reaching a threshold of 20 hours of independent operation, the Appointment System will permit you to book evening sessions on Mondays and Wednesdays at 17-20.

*Note 2: Please, send us your HUJI Safety License (MIVDAK BETIHUT) before your Exam. Please, remember to renew the Safety License on an annual basis.*

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These instructions may vary from time to time according to regulations and according to the risk assessment in the spread of the disease

Wish you all health and safety

The Nano Center team