

The Technion Safety Unit (SU) happily welcomes you to the Technion

As a Principal Investigator, you are responsible for the occupational health and safety of your team. This brief provides key guidelines to help new PIs meet the basic laboratory safety requirements on campus.



SAFETY TRAININGS

Mrs. Nuriel-Erenburg Rut | safety-training@technion.ac.il

- Enroll in any of the scheduled safety trainings posted on the SU's [safety program](#)
- Make sure that you and all your lab members execute [annual safety trainings](#) and all require [internal trainings](#)
- Prepare an annual [Lab Safety Program](#) (SAFEBOOK)
- [Risk assessment training](#) is available on the SU website



OCCUPATIONAL MONITORING

Dr. Zohar Ben-Barak Zelas | safety-radiation@technion.ac.il

- Preliminary occupational monitoring takes place in each lab every couple of years, in collaboration with the PI. The monitoring focuses on the likelihood of chemical and/or noise exposure.
- Before beginning research that involves [specific occupational hazards](#), employees and students are required to undergo an occupational health medical evaluation.



COMPRESSED GASSES

Mr. Dror Gold | Safetygas@technion.ac.il

- Addition, modification, or removal of a gas line in the lab must be reported to the SU or to the compressed gasses inspector from the construction department (ABAT)
- Never connect equipment to gas lines without verification from the SU or the compressed gasses inspector from ABAT.
- It is the responsibility of the PI to ensure gas detectors are calibrated annually (or according to the manufacturer's instructions).
- Empty gas cylinders or invalid ones must be disposed of by the PI.



ASBESTOS

Mr. Arie Cohen | SafetyAsbest@technion.ac.il

- Currently, there are still a limited number of places on campus where cement-asbestos can be found.
- If you suspect the presence of an asbestos element in or near your work environment, please contact Mr. Arie Cohen.



CHEMICAL SAFETY

Dr. Robert Gloukhovski | gloukhov@technion.ac.il

- We recommend that every lab working with HF and/or Piranha will store Diphoterine and calcium gluconate ointment available to mitigate injury in case of an exposure.



CHEMICAL WASTE

Mr. Ronen Hershkowitz | chemdis@technion.ac.il

- Chemical waste should be segregated according to the following [SU instructions](#)
- Chemical waste disposal is an essential part of a successful research procedure. In case of doubt, please use our [Chemical Waste Query link](#) and you will receive a response ASAP



BIOSAFETY

Dr. Avigail Atir-Lande | safetybio@technion.ac.il

- The SU provides [guidance and resources](#) for working safely with biological agents
- Approval from the biosafety officer is required when using biological agents classified as Biosafety Level 2 (BSL2) or above.
- Pregnant employees (staff and/or graduates) should inform the PI. If needed, please consult with the SU to verify whether the routine chemicals/biological agents they work with are [non-teratogenic](#).
- PIs working with a select-agent must notify the Technion biosafety officer
- All animal research must be approved by the Institutional Animal Care and Use Committee (IACUC) and the Pre-Clinical Research Authority (PRCA).
- All PIs working with a [select agent](#) must notify the Technion biosafety officer.

- Every lab should have a [first aid kit](#).
- A [spillage kit](#) is available on every floor.
- Safety incidents – report any '[near-miss](#)' and/or [accident](#) as part of the Technion's 'Lessons Learned' process.



LASERS SAFETY

Dr. Robert Gloukhovski | safetylaser@technion.ac.il

Lasers classed as 3R (out of the visible range), 3B, or 4 are considered high-risk.

- All PIs are obliged to inform the SU lasers safety officer prior to purchasing a [new laser system](#) and prior to executing any scheme alteration in an existing laser system.
- All PIs are obliged to attend an annual laser training prior to commencing work with a laser system.
- New laser users must contact the laser safety officer in person to go through frontal lasers' training.



IONIZING RADIATION

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- If you plan to work with ionizing radiation sources - open/sealed/an X ray-emitting device – you must [inform the SU ionizing radiation engineer](#).
- PIs carrying a 'radiation employee' status are obliged to:
- Notify the radiation safety engineer about every employee who starts working with ionizing radiation: [radiation employee form](#).
- Attend annual designated clinical examinations.
- Attend an annual training.
- In the absence of an official written permit, it is forbidden to shuttle ionizing radiation-emitting equipment or sources even between adjacent rooms within the same lab.



FIRE SAFETY

Mr. Ayal Tzafrir | SafetyFire@technion.ac.il

- Make sure the smoke detectors in your lab are not covered.
- Be a leader: show your group members that when hearing the fire alarm, you all immediately evacuate the building. Remember, there are no false fire alarms. The detectors always sense real smoke and can detect over 2 million types of smoke.