CCMR Lab Safety

Room Orientation for

Physical Sciences Building Cryo S/TEM
Rm. B91 and BioTwin Rm. B71

Mariena Silvestry Ramos, PhD
PSB – B88
Office – 607-255-6272
Cell 646-320-6130
ms3289@cornell.edu
Emergency Exits and Evacuation

In the event of a building evacuation alarm or other emergency, immediately proceed to the nearest exit as outlined by the red boxes on the map.

Exit immediately. There is one exit near B95 (liquid nitrogen storage and holder room) and two exits near the CryoS/TEM and BioTwin rooms. Additionally, the PSB Atrium and/or Clark Hall are places to exit and wait until the emergency has passed and it’s safe to return.
Emergency Contact Info

In case of emergency, dial 5-1111 from a campus phone. Mobile network signals are mostly inaccessible in the facility and immediate surrounding areas. Two telephones are available for emergency use only:

• Next to the Cryo S/TEM and BioTwin microscopes

For non-emergency, urgent equipment issues, call the appropriate staff member using the number posted on the HASP signs on the doors

In the event you have any further questions regarding the proper procedures, safety regulations, or other concerns, please contact one of the Facility Staff. The following contacts may be able to assist you:

Keane Leitch, PSC Safety Manager – kjl44@cornell.edu, 121 Baker Lab
Todd Pfeiffer, PSC Facilities Director – tap66@cornell.edu, 105 Weill Hall
Working in the CCMR Cryo S/TEM and BioTwin Labs

Safety Training

The following laboratory safety courses, offered on-line or in the classroom by Cornell University EH&S, are required to access the CCMR Cryo S/TEM BioTwin Labs. EH&S course numbers follow in parentheses for your reference.

Please refer to https://sp.ehs.cornell.edu/training/Pages/default.aspx (internal users) or https://sp.ehs.cornell.edu/training/Pages/Training-Access.aspx (external users) for information on how to obtain training or verify your CULearn information.

Required for access to the Cryo S/TEM and BioTwin Labs:

EH&S training Laboratory Safety: #2555 – Laboratory
EH&S training in Chemical Waste Disposal: #2617 – Chem Waste
EH&S training in Handling Cryogens: #3055 – Cryogensfty
EH&S Radiation Producing Equipment Safety: #5033 – EHS-RPE
**Instrument and sample holder sign up rules**

- Sign ups for instrument time are done via Coral; users are encouraged to notify manager and/or lab members if sessions are finished early so as to maximize instrument use/time

- Specialty holders **MUST** be signed up for via: [https://docs.google.com/spreadsheets/d/1_XIMUwaJ1AAGbnSP-YW-fKH8eiJEXPR1Nm6-7qLRhx8/edit#gid=1606419089](https://docs.google.com/spreadsheets/d/1_XIMUwaJ1AAGbnSP-YW-fKH8eiJEXPR1Nm6-7qLRhx8/edit#gid=1606419089)

- Any and all issues must be logged on the lab logbook and the Facilities Manager should be notified immediately. Failure to follow these procedures could result in cancellation of access to facilities

- Lab head/PI is liable for any non wear-and-tear repair costs incurred due to lab member(s) irresponsible handling/operating of holders

- Consultation with Facilities Manager is required prior to bringing any samples to the lab. Do not introduce new hazards or hazardous materials without express approval from facility staff

- To be up-to-date about instrument issues or downtime, please send an email to the cryo STEM list: **CCMR-CRYO-STEM-L@cornell.edu**
Rules for using the CCMR Cryo S/TEM BioTwin facilities

• No wet chemistry is allowed in the lab. All samples must be prepared in your own lab.

• Do not bring hazardous samples or materials into the lab without prior consent/approval by the Facilities Manager.

• This is not a storage facility - you must take specimens when you leave. Anything leftover will be promptly disposed.

• Do not bring food or drinks into B-91 or B-71.

• Users failing to follow safety rules will be denied access to the lab.

• Wear proper PPE and follow safety rules when handling liquid nitrogen.

*Do NOT insert foreign objects into microscope computer* (hard drives, thumb drives, chargers, etc); they contain viruses that will take damage the computer that operates the microscope. Ask about data transfer protocols *before* the start of your session.
Acknowledging the Facility

Please remember to properly acknowledge use of the CCMR Facilities in your presentations, publications, and conference proceedings.

Researchers who make use of these facilities must acknowledge the award number

**NSF DMR-1719875**

For more information please visit:

- [www.ccmr.cornell.edu/research/acknowledging-ccmr-funding/](http://www.ccmr.cornell.edu/research/acknowledging-ccmr-funding/)
- [www.ccmr.cornell.edu/facilities/](http://www.ccmr.cornell.edu/facilities/)
Submit one form to each facility that you are requesting access to.

1) Print out this page. Illegible or incomplete forms may not be accepted.

2) Read the facility orientation completely. Required EH&S safety trainings for individual areas are listed below.

### Trainings A, F, and W required for access to all facilities

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<tr>
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* required for specific activities, refer to orientation form.

### Safety trainings key

- **A** Laboratory safety (#2555-laboratory)
- **C** Cryogen handling (#3055-cryogensafety)
- **F** Fire safety (#5330-firesafety)
- **G** Compressed gas (#2335-compressed)
- **H** Globally Harmonized System (#5710-GHS) update
- **L** Laser safety (#2397-lasersafety)
- **M** Magnetic fields (#5035-magnetic)
- **R** Radiation producing equipment (#5033 EHS-RPE)
- **U** Fume hood (#3355-FumeHood)
- **W** Chemical waste disposal (#2716-chemwaste)

3) Fill in user information below, sign and bring completed forms to the appropriate facility manager.

User Name______________________________________________________________ Cornell University ID card # __________________________

NetID/E-mail________________________ Status_________ Department_________ Advisor_________________

By signing below, I am attesting that I have read the facility orientation form and completed the necessary EH&S safety trainings.

User Signature__________________________________ Date_____ / ____/ ____

Office use: 

Door________ e-mail list_______ entered by_______
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