

Life Sciences Institute Electron Microscopy Facility

Training and Permissions Form
Version 3.0 (8/15/2018)

LSI Room 1457
University of Michigan

210 Washtenaw Avenue
Ann Arbor, MI 48109-2216

New user training starts from Negative stain EM using Morgagni followed by T12. Morgagni is dedicated to negative stain sample screening, while T12 is dedicated for negative stain imaging.

LSI EM Training Checklist

Negative Stain EM (Morgagni)

Session 1 (1 hour):

- Safety in EM lab
- Scope tutorial
- Negative stain procedure (optional)

Session 2 (2 hours):

- Holder insertion
- Initial operation

Session 3 (2 hours):

- Review holder insertion
- Defocus practice with your sample grid

Session 4 (15 minutes):

- Operation Test

Negative Stain EM (T12)

Session 1 (1 hour):

- Holder insertion

Session 2 (1 hour):

- Review holder insertion

Session 3 (4 hours):

- Leginon training with your sample grid

Session 4 (4 hour):

- Continue operating with Leginon with assistance as necessary

Note:

Any trained user who has not operated EM for more than 30 days, **MUST** undergo walk-through training before accessing the corresponding scope.

Cryo-EM training request is pending upon the completion of negative stain EM training and approval by EM Director.

All users must follow proper EM procedures and safety guidelines detailed during training, or user may be suspended from the EM facility.

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Electron Microscopy Facility**

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CONTACT INFORMATION

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I, the undersigned, understand that use of the EM facility is dependent on maintaining a safe, careful and courteous work environment. I have received training in the proper use of the instruments and I agree to abide by the rules of the Facility. I understand that violation of these rules can result in revoked privileges.

User

Print: First M.I. Last

Signature Date Role

UM ID number (8 digits) UM unique name

UM Group / P.I. name or Outside Company Name Short Code

P.I. Signature Date

Are you part of LSI _____ UM _____ Outside UM _____

What access will you require to the LSI EM lab?

8 a.m. - 6 p.m. _____

Other _____

I currently have access and do not need to request _____

If you are an undergraduate student, are you 18 or above? Yes___; No___

Training Staff
LSI EM Facility
Approved by Trainer:

Print Name Signature Date