

2020 EMS Microscopy Academy Schedule of Workshops

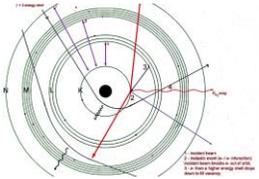


Biological TEM

January 14 - 16, 2020

This workshop will cover the buffers, fixatives, dehydrants, and embedment resins most often used for EM, with their individual advantages and disadvantages discussed.

[Learn more](#)

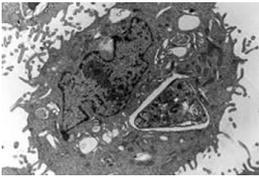


X-Ray Microanalysis

January 21 - 23, 2020

This workshop covers qualitative and semi quantitative analysis, beginning with the generation of background and characteristic of x-rays, nomenclature, and peak family ratios.

[Learn more](#)

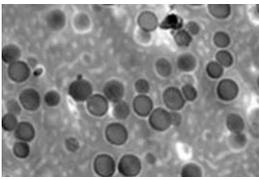


Automated and Rapid Specimen Processing for Electron Microscopy

February 18 - 20, 2020

This workshop will introduce participants to the use of equipment for processing tissue samples for TEM.

[Learn more](#)



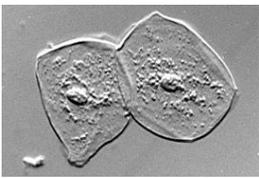
Materials Ultramicrotomy

February 24, 2020 For those unfamiliar with microtomy to prepare for the workshop.

February 25 - 27, 2020

This workshop will introduce individuals to the unique application of ultramicrotomy to materials.

[Learn more](#)

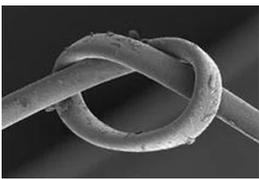


Introduction to Microscopy Techniques

March 3 - 5, 2020

This workshop will give participants an overview of the specimen preparation requirements, basic skill sets, and instrument theory/operation needed to perform as a technician in an EM laboratory.

[Learn more](#)

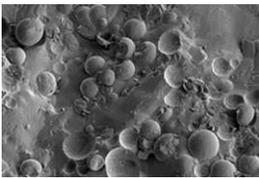


Biological SEM

March 17 - 19, 2020

This workshop will introduce participants to methods of sample preparation and SEM parameters and operation needed for accurate analysis.

[Learn more](#)

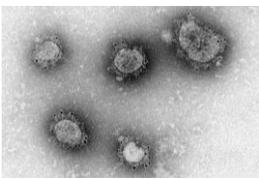


Cryo SEM

March 24 - 26, 2020

This workshop will cover the process of rapid freezing, fracturing, coating and imaging of a variety of samples.

[Learn more](#)



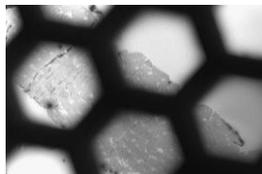
Aurion Immunogold Silver Staining

April 15 - 17, 2020

Three days of hands-on training for students, researchers, and microscopists who want to learn the most up to date theory and practice in immunogold labeling.

[Learn more](#)

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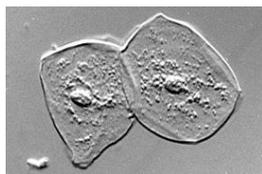


Cryosectioning/Immunogold

April 20 - 24, 2020

Hands-on training for students, researchers, and microscopists who want to learn the most up to date theory and practice in cryosectioning and immunogold labeling.

Learn more

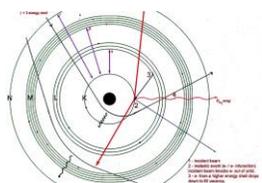


Introduction to Microscopy Techniques

May 19 - 21, 2020

This workshop will give participants an overview of the specimen preparation requirements, basic skill sets, and instrument theory/operation needed to perform as a technician in an EM laboratory.

Learn more

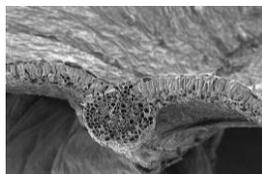


X-Ray Microanalysis

May 26 - 28, 2020

This workshop covers qualitative and semi quantitative analysis, beginning with the generation of background and characteristic of x-rays, nomenclature, and peak family ratios.

Learn more

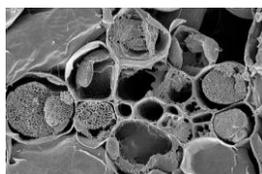


Microscopy: The Complete Image - June

June 15 - 26, 2020

This workshop will prepare participants to enter the field of microscopy with a strong emphasis on electron microscopy specifically.

Learn more

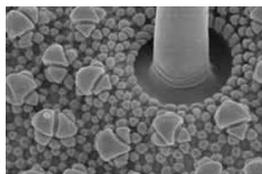


Microscopy: The Complete Image - July

July 13 - 24, 2020

This workshop will prepare participants to enter the field of microscopy with a strong emphasis on electron microscopy specifically.

Learn more

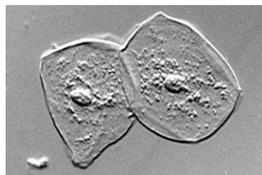


Microscopy: The Complete Image - August

August 10 - 21, 2020

This workshop will prepare participants to enter the field of microscopy with a strong emphasis on electron microscopy specifically.

Learn more

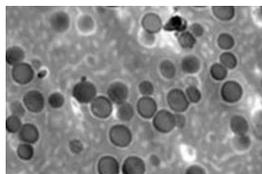


Introduction to Microscopy Techniques

September 15 - 17, 2020

This workshop will give participants an overview of the specimen preparation requirements, basic skill sets, and instrument theory/operation needed to perform as a technician in an EM laboratory.

Learn more



Materials Ultramicrotomy

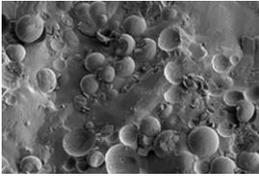
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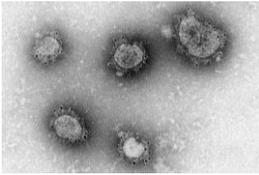


Biological SEM

October 20 - 22, 2019

This workshop will introduce participants to methods of sample preparation and SEM parameters and operation needed for accurate analysis.

Learn more



Aurion Immunogold Silver Staining

November 10 - 12, 2020

Three days of hands-on training for students, researchers, and microscopists who want to learn the most up to date theory and practice in immunogold labeling.

Learn more



Biological TEM

November 17 - 19, 2020

Theory and practical preparation of buffers, fixatives, and other solutions required for chemical processing of biological samples for TEM.

Learn more

Schedule subject to change