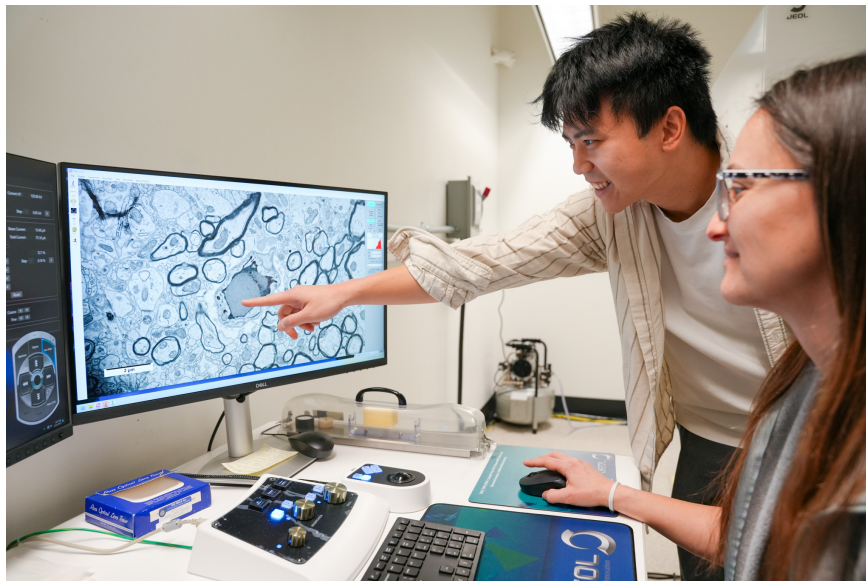


JEOLink Newsletter

ELECTRON MICROSCOPY | ELEMENTAL ANALYSIS | SAMPLE PREPARATION



JEOL USA Microscopy News

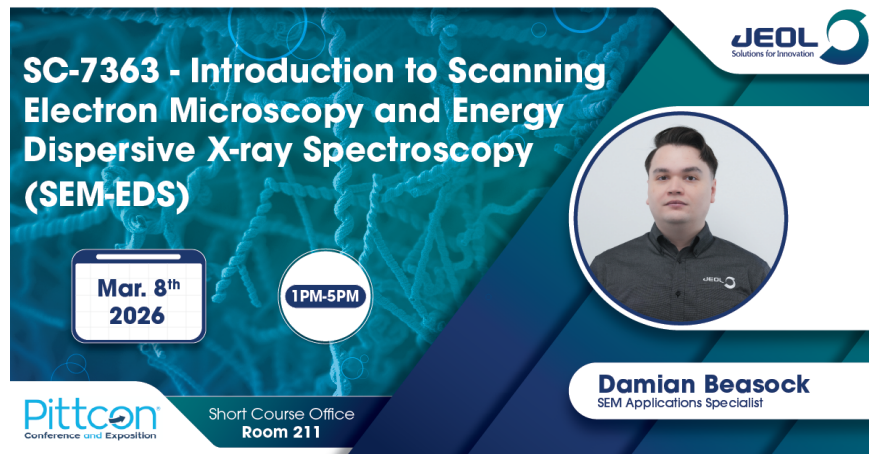


Advancing Biological Research Discovery at Harvard Medical School

At the [Harvard Medical School Electron Microscopy Core Facility](#), researchers are using the [JEM-120i 120kV TEM](#) to visualize biology at the ultrastructural level, including critical research in neuroscience, disease mechanisms, and cellular function. We are proud to support the HMS-EM Core community, advancing our understanding of biology through electron microscopy.

Read the latest REALab to learn more about how JEOL supports research at HMS!

[Read the REALab](#)

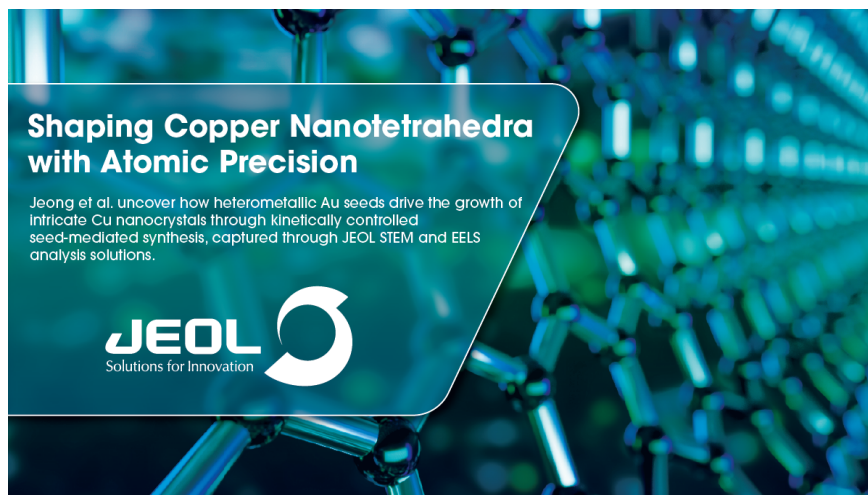


Pittcon 2026 SEM Short Course - Register Today!

Attending Pittcon this year? Join our JEOL USA Applications Scientist Damian Beasock for his short course SC-7363: Introduction to SEM-EDS, a half-day course designed to build a foundation in scanning electron microscopy and energy dispersive X-ray spectroscopy!

Covering the essential theory behind modern SEM and EDS systems, you will learn more on key topics, including resolution, imaging detectors, automation, non-conductive samples, and sample preparation. Real-world applications (batteries, additive manufacturing, pharmaceuticals, nanoparticles, and more) will show how SEM-EDS supports quality inspection, manufacturing, and R&D across industries. Don't wait, save your spot today!

Register for the Short Course



Featured Research

We are excited to share that researchers at Indiana University Bloomington have achieved new insights on the synthesis of colloidal copper nanotetrahedra using heterometallic Au seed-mediated growth! Their work, published in [The Journal of the American Chemical Society \(JACS\)](#), reveals how kinetically controlled conditions and Au seeds guide the evolution of intricate Cu nanostructures.

Using the [NeoARM](#) for four-dimensional STEM analysis, the team visualized internal behavior that reveals new insights on the design of non-noble metal nanocrystals with tailored optical and catalytic properties.

Do you have a published paper or news to share related to your applications with a JEOL instrument? Let us know! Contact JEOLink@jeol.com.

Read the Study

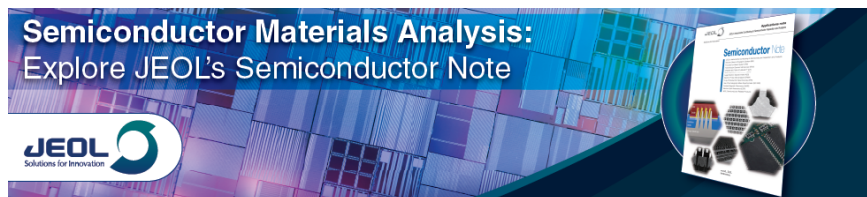


Oak Ridge National Laboratory at JEOL USA

We were recently joined by our partners at [Oak Ridge National Laboratory Manufacturing Demonstration Facility \(ORNL-MDF\)](#) to connect around a major expansion of JEOL instrumentation. This collaboration will support advanced research in materials science and additive manufacturing.

Pictured here with our team are Dr. Michael Kirka, Dr. Christopher Ledford, Dr. Christopher Rock, and Dr. Calvin Mikler, whose work at ORNL-MDF continues to push boundaries of materials science and advanced manufacturing technologies. We're proud to support this work with a suite of JEOL instruments and look forward to supporting ORNL-MDF in the oncoming years!

[Read More About the ORNL-MDF](#)



Semiconductor Application Note

Explore how advanced analytical instrumentation supports next-generation semiconductor materials, devices, and fabrication technologies in our latest

application note. The comprehensive Semiconductor Note, developed by JEOL application scientists, provides a structured and practical overview of analytical instrumentation and techniques across the full semiconductor manufacturing lifecycle.

[Download the Semiconductor Note](#)

Image Contest Winner



January: *Europium Corals* by **Márcio de Paula** at the Institute of Chemistry of São Carlos – University of São Paulo (IQSC-USP)! Captured on the **JSM-7200F FE-SEM**, this micrograph depicts the metal–organic framework (MOF) “Eu-BTC” (where BTC = trimesic acid) on tellurite glass. The image shows the coralloid structure of the Eu-BTC metal–organic lattice deposited on the glass and was captured using the JSM-7200F.

For your chance to be featured and win a prize, visit the JEOL Image Contest Gallery and [submit your images here](#).

We're Hiring!

New England Sales Manager - Scientific Instruments
Remote position for the New England area



Apply Here

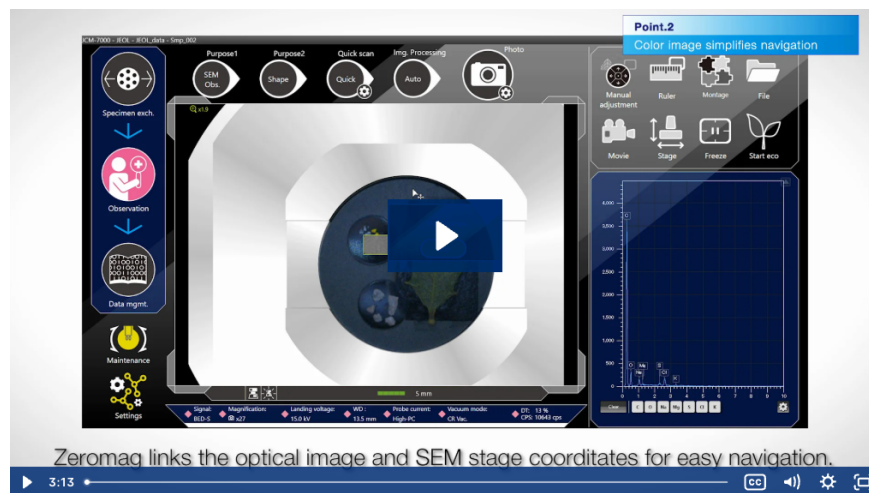


We're Hiring!

Have you heard? We are hiring a New England-based Sales Manager to support the growth of our electron microscopy business across MA, NH, VT, ME, RI, CT, and parts of NY.

This role offers the opportunity to use your knowledge of scientific instrument sales to generate leads and develop new opportunities for growth in New England. At JEOL, we empower self-motivated professionals with scientific industry experience with the tools, technology, and support to succeed.

[Learn More About The Role](#)



EDS on the NeoScope Benchtop SEM

The [NeoScope](#) incorporates advanced technology and functions that make it simple for users at any skill level to obtain outstanding SEM images and elemental analysis results in minutes! With the option to add a fully embedded EDS with real-time, "Live" analysis, learn more about the JEOL EDS System [here](#)!

[Watch the Video](#)

Posters for Your Lab

[Posters are available on our website](#)! Browse to find one you like, and submit the online form to place your request.



[Learn how JEOL is committed to sustainable development goals](#)

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