

an expert network

access technology experts and sophisticated instruments at Oregon's renowned research universities

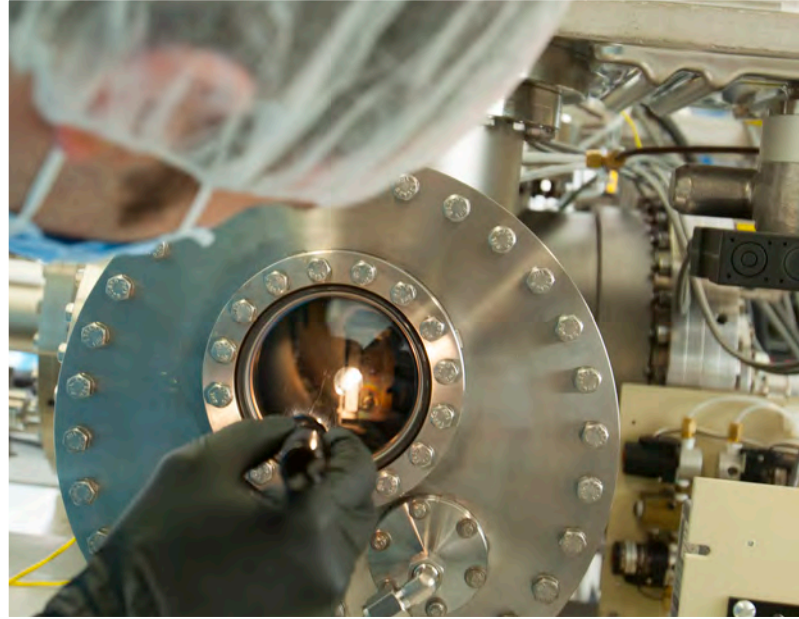




Technology. Talent. Teamwork.



With seven facilities at Oregon's top research universities, you have one-of-a-kind access to cutting-edge instruments, world-renowned researchers, and opportunities to collaborate and problem solve.



PORTLAND STATE UNIVERSITY » PORTLAND

- 1 Center for Electron Microscopy and Nanofabrication (CEMN)

OREGON STATE UNIVERSITY » CORVALLIS

- 2 Electron Microscopy Facility (EMF)
- 3 Electron Microprobe Laboratory (EMP)
- 4 Microproducts Breakthrough Institute (MBI)
- 5 Materials Synthesis and Characterization Facility (MaSC)
- 6 Applied Magnetics Laboratory (AML)

UNIVERSITY OF OREGON » EUGENE

- 7 Center for Advanced Materials Characterization in Oregon (CAMCOR)

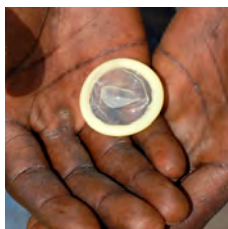
You'll find help in abundance.



ONAMI Technology Labs are a collective of the brightest scientists, instrument technicians and university faculty — all working together to answer a challenge and improve the quality of life for people everywhere. Here are some examples:

safer sex

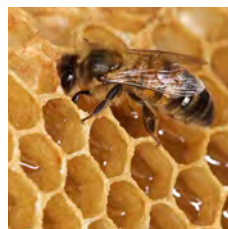
Ending global poverty is a lofty goal-but not too ambitious for the Bill & Melinda Gates Foundation and scientists



at the **Center for Advanced Materials Characterization (CAMCOR)**. With a \$100,000 grant, CAMCOR researchers are on their way to building a better condom and helping prevent HIV/AIDS in the developing world.

a bee's knees

How do you know if the bees you've rented are staying in your field or wandering off to work some other crop? You have the folks at the **Electron Microscopy Facility** analyze their legs to see what kind of pollen they're carrying.



detecting diseases

Imagine being able to detect diseases early on, well before any signs or symptoms — using cheap, disposable electronic sensors. Research into using magnetic particles in biosensors may make it possible. At least the scientists at the **Applied Magnetics Laboratory** think so.



Find the Right Lab »

Each lab has special expertise and sophisticated instruments. Need help finding the best lab for your project? Contact any of the Technology Labs; they'll put you on the right path.

Or visit us at

TECHLABS.ONAMI.US

for behind-the-scenes video tours, comprehensive instrument lists and more information about each lab.

FREE Trial for First-Time Users

Not quite ready to commit your dollars and cents to working with a lab or using an instrument? If you're new to the ONAMI Technology Labs, you're in luck. First-time users may request a credit of up to \$1,000 to apply to facility services, training or instrument rental.*

GET STARTED:

- 1 »** Find the right lab for your project.
- 2 »** Contact with the lab directly. Tell them about your project and ask about the free trial for first-timers.
- 3 »** If you and your project qualify, it's a go. Work with the lab to schedule facility time and get ready to move your project forward!

QUESTIONS? Contact Len Blackstone, Director, ONAMI Technology Labs at len.blackstone@onami.us

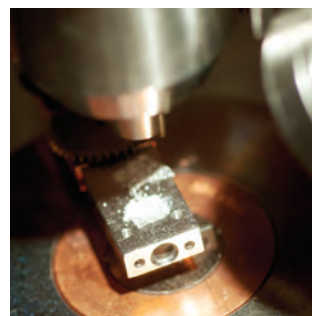
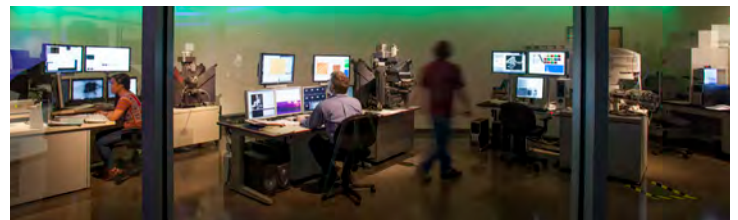
*First-time user grants cover only labor and instrument usage. Material expenses are not covered. Additional restrictions may apply.



Center for Materials Characterization in Oregon (CAMCOR)

UNIVERSITY OF OREGON

CAMCOR is a full-service materials analysis and characterization facility. It's the largest lab in the ONAMI network and hosts eight research labs, a machine shop, an electronics shop and cutting-edge equipment for micro-analysis, surface analysis, electron microscopy, device fabrication and nuclear magnetic resonance studies.



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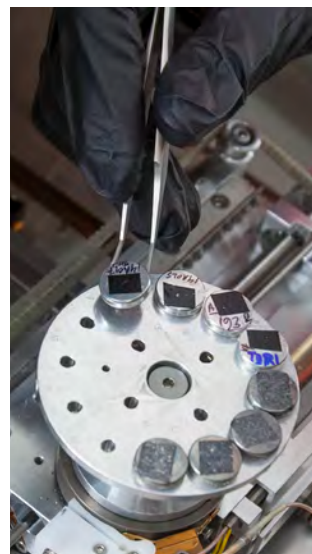
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Electron Microscopy Facility (EMF)

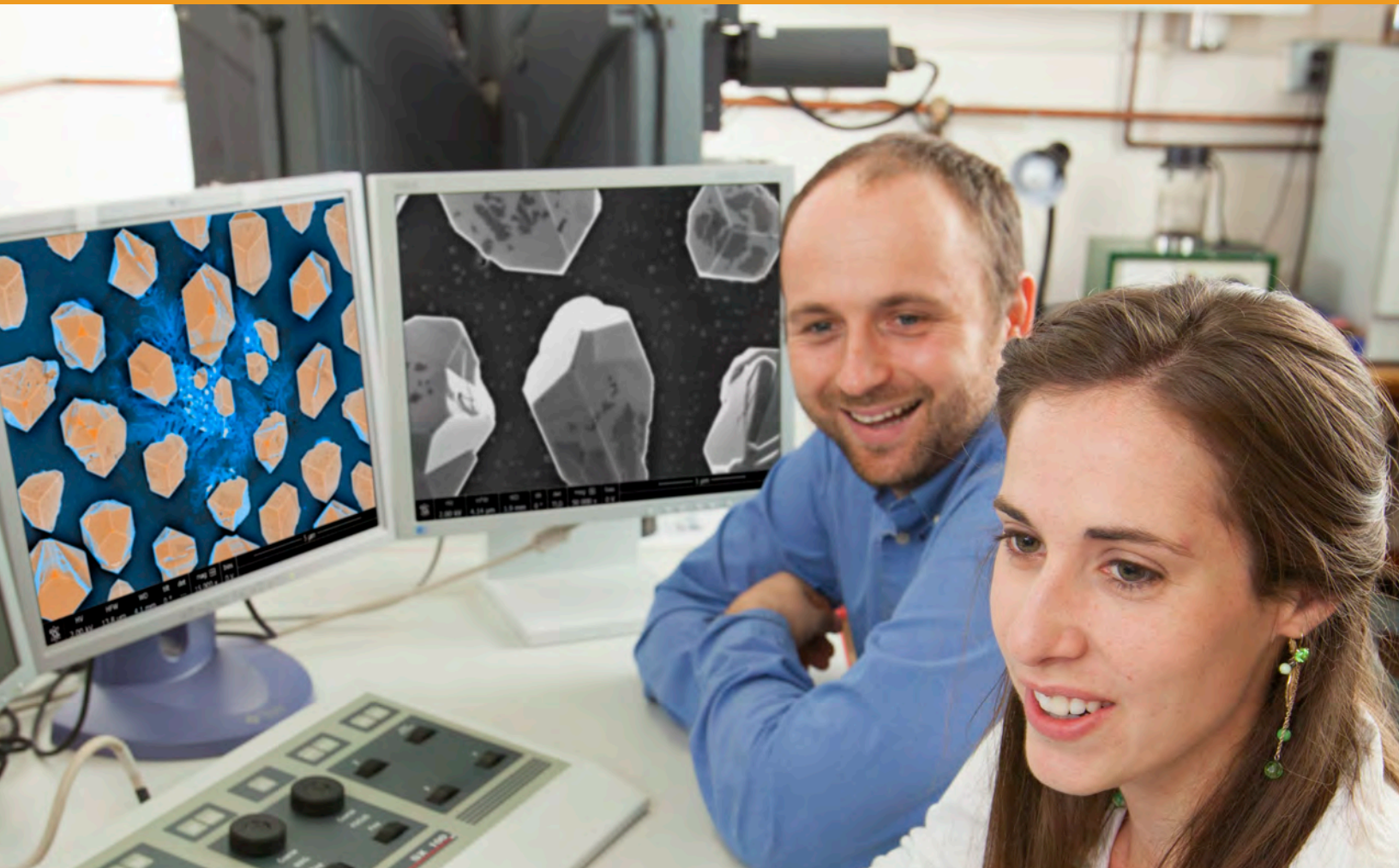
OREGON STATE UNIVERSITY

For more than 50 years, EMF has helped researchers probe specimen microstructure, microchemistry and micro-processes. The lab provides access to analytical instruments and specialized tools, and the highest speed chemical detection system available on a transmission electron microscope – the only one of its kind in the Pacific Northwest.



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Electron Microprobe Laboratory (EMP)

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If you need to visually and chemically analyze solids – whether bulk materials or macromolecular materials – EMP has the tools and skills onsite to help. The lab houses a Cameca SX-100 Electron Microprobe that provides compositional information on a very small scale – 1 micron to be exact.



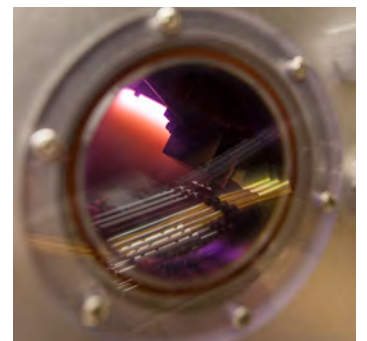
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Center for Electron Microscopy and Nanofabrication (CEMN)

PORTLAND STATE UNIVERSITY

CEMN has numerous advanced instruments including (S)TEM/EDX/EELS, SEM/EDS/WDS/EBSD, a dual-beam FIB, XPS/AES/UPS, e-beam lithography, BET surface analyzer, and PVD tools. They have expertise in materials microstructural characterization; and the analysis of chemicals, semiconductors, metal alloys, and catalyst performance evaluation.



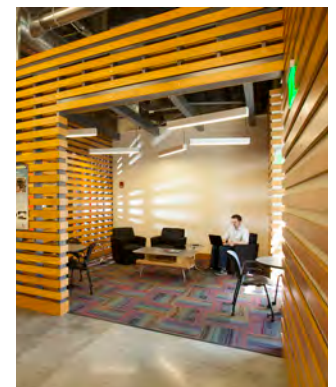
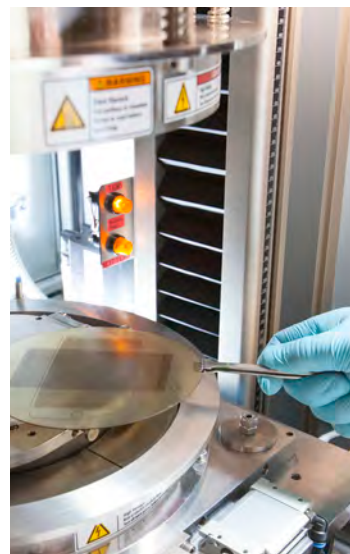
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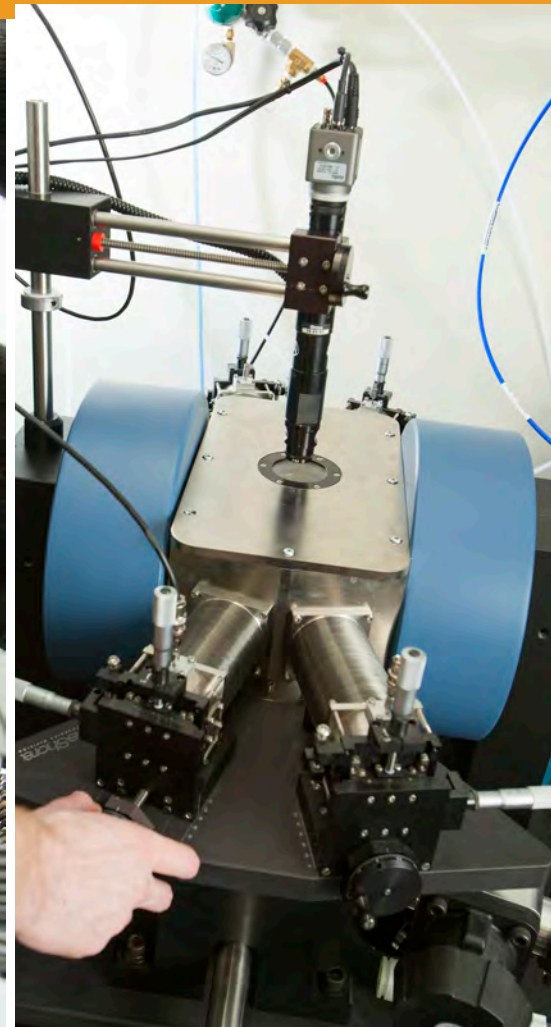
Microproducts Breakthrough Institute (MBI)

OREGON STATE UNIVERSITY

With 80,000 square feet of manufacturing, wet lab and office space, MBI has ample room to bring academic and industry partners together to research and commercialize microchannel technologies. It comprises 9 labs, fabrication and prototyping space, room for tenants working on collaborative research projects, and a wide range of advanced equipment for micro-fluidics research.



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Applied Magnetics Laboratory (AML)

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AML focuses on the discovery, development and characterization of magnetic materials and devices. Specialized equipment in the laboratory is used to characterize the magnetic, electromagnetic or magnetostrictive properties of thin films as well as bulk samples. Customers' devices may be tested under a wider range of magnetic fields at frequencies ranging from dc to 40 GHz. The staff can help with research, consult on magnetic designs, assist with device fabrication, perform measurements and interpret test results.

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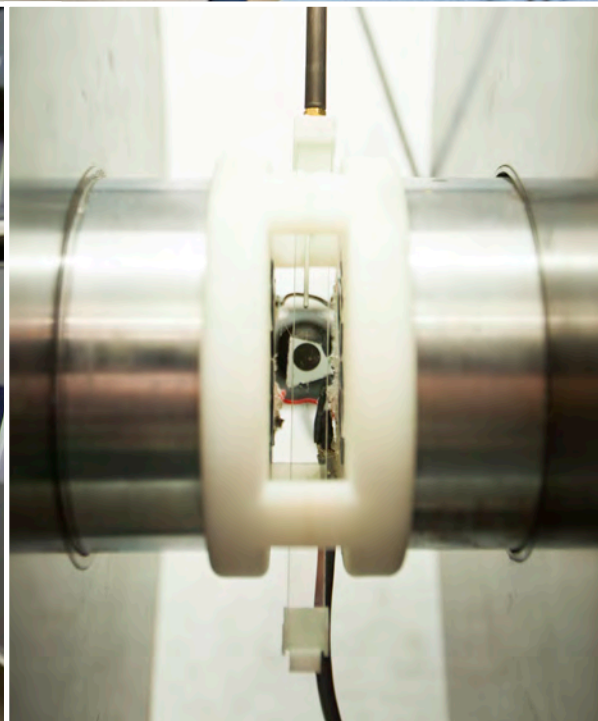
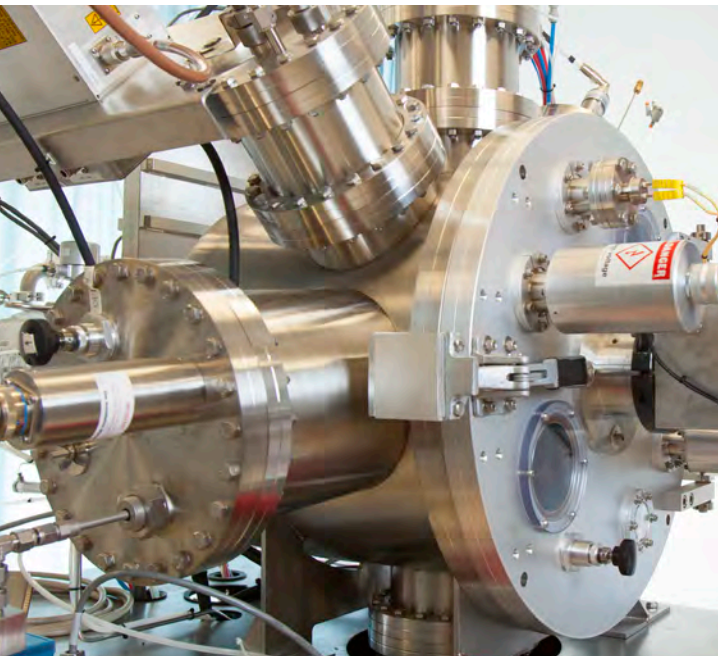
Materials Synthesis and Characterization (MaSC)

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MaSC's collaborative research model pulls academic and industry experts together to investigate and solve challenges in all kinds of areas – everything from magnetics, nanophotonics and flexible electronics to thin-film deposition and vertical transport electronics. The lab's comprehensive portfolio of tools allows researchers to both synthesize and characterize materials and devices for optical and electronic performance.



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Growing technology jobs in Oregon.
Impacting lives around the world.



collaborative research 

technology labs 

commercialization 

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