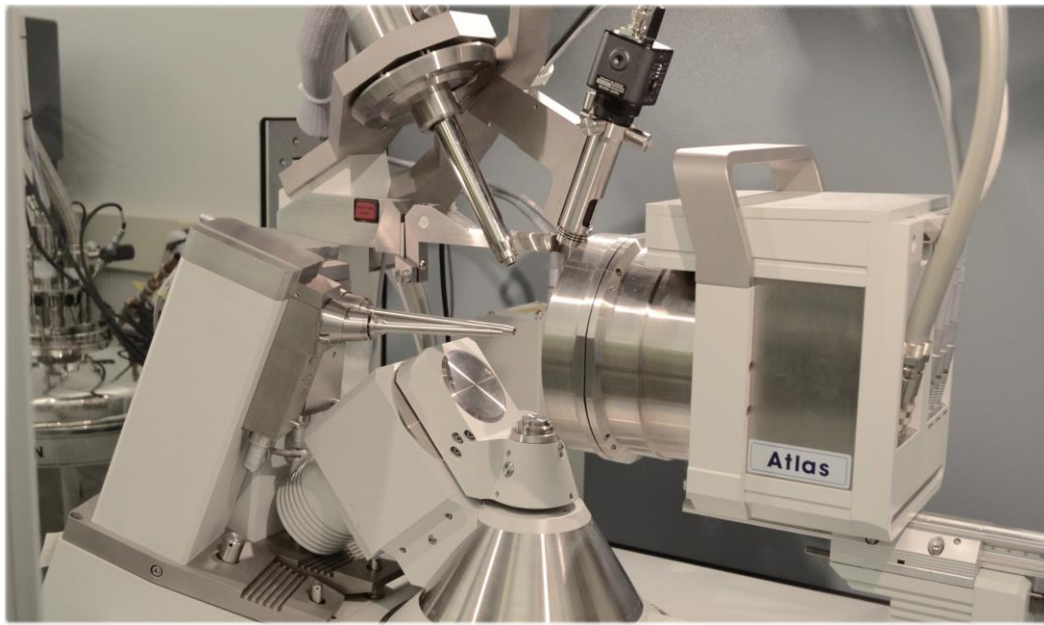


Analytical Characterization

The instrumentation and expertise to help identify, quantify, and detect.



Characterization at your fingertips.

Whether you want to determine chemical structure or quantify trace elements, the Joint School of Nanoscience and Nanoengineering (JSNN) offers 24/7 access to a suite of analytical resources including equipment training, remote material analysis and process consultations. JSNN provides expert-driven analysis through skilled research staff to address the needs of academic, industry and government users. For access to the core user facility and professional staff, join the JSNN's Nanomanufacturing Innovation Consortium (NIC), administered by Gateway University Research Park (www.gatewayurp.com/pages/The_Nanoschool).

EXPERT TRAINING

Experienced staff can provide high-quality training in one-on-one or small group sessions.

RAPID MATERIAL ANALYSIS

Dedicated research staff can assist in material preparation and analysis, as per your needs.

NEW PROCESS DEVELOPMENT

Work with our skilled staff to develop innovative methods & processes to solve today's material challenges



Identify
FT-IR, Raman
spectroscopy, &
NMR, UV-Vis-NIR
spectrophotometer.



Quantify
ICP-OES, DLS, UV-
Vis-NIR
spectrophotometer,
HPLC.



Investigate
XRD, FT-IR, NMR,
Raman spectroscopy,
MPMS.

INSTRUMENTATION

- Agilent Nuclear Magnetic Resonance 400 MHz Spectrometer
- Agilent Nuclear Magnetic Resonance 700 MHz Spectrometer
- Horiba Scientific XploRA Raman Confocal Microscope
- Varian 670 FT-IR (with ATR)
- Varian 710 Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)
- Cary Eclipse Fluorescence Spectrophotometer
- Cary 6000i UV-Vis-NIR Spectrophotometer
- Rigaku X-Ray Diffractometer
- Varian Liquid Chromatography/Mass Spectrometer (Ion Trap)
- Varian Gas Chromatography/Mass Spectrometer (Ion Trap)
- Varian 920 High Performance Liquid Chromatography
- Malvern DLS Zetasizer ZS
- Horiba Scientific Surface Plasmon Resonance Imaging Instrument
- Quantum Design S-VSM Magnetic Particle Measuring System



"The analytical equipment at JSNN has been invaluable in both characterizing and monitoring the quality of our product. The facility gives us unparalleled access to the tools we need to be successful."

Anthony Dellinger, President of Kepley Biosystems Inc., and a member of the Nanomanufacturing Innovation Consortium since 2014.

For more info or to join the Nanomanufacturing Innovation Consortium (NIC), please contact –

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