

Imaging Cores, Kuiper – Electron Microscopy



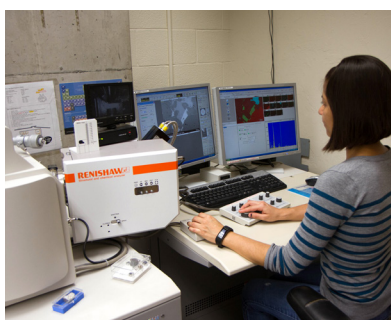
Core Facilities Fair 2017

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Imaging Cores, Kuiper – Electron Microscopy



The Imaging Cores, Kuiper – Electron Microscopy managed by the UA's Research, Discovery & Innovation office and the Arizona Research Laboratories, provide access to cutting-edge instrumentation for electron microscopy and Raman spectroscopy. The Imaging Cores also have experienced personnel to assist and facilitate research.

Electron microscopy exceeds the resolution of light microscopy and enables elemental analysis to determine the structure and content of materials for identification. The Imaging Cores, Kuiper – Electron Microscopy are equipped with a Hitachi 3400 VP-SEM, Hitachi 4800 HR-SEM, FEI G3 DualBeam, Hitachi HF-5000 TEM, and Renishaw Raman, all available for use on research projects in this area.



The Imaging Cores, Kuiper – Electron Microscopy regularly work with investigators in the UA's College of Agriculture and Life Sciences, College of Engineering, and College of Science, as well as industry partners dedicated to the research and development of semiconductors, medical devices, lithium batteries, and mining.



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