



Kuiper-Arizona Laboratory for Astromaterials Analysis (K-ALFAA)

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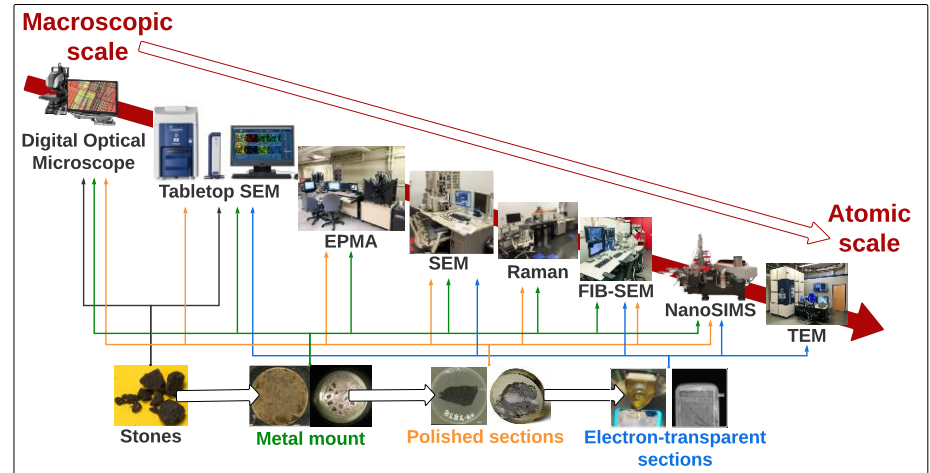
<https://kalfaa.lpl.arizona.edu>

Description of Facility

- The K-ALFAA was founded in 2016, motivated by the need for accessible world-class instrumentation in support of planetary-materials analysis including returned samples from missions like OSIRIS-REx
- Techniques include scanning electron microscopy, electron microprobe analysis, focused-ion beam scanning-electron microscopy, Raman spectroscopy, nanoscale secondary ion mass spectrometry, and transmission electron microscopy
- 60% of Facility time available to PSD researchers
- Analyses can be in person or by facility personnel
- Users must contact lab managers for access

How to use the facility

- To request access, visit <https://kalfaa.lpl.arizona.edu/contact>
- Requests are evaluated based on a short proposal either via email or an attachment to email (two pages maximum) after a conversation with one of our laboratory managers
- Requests will be prioritized on a first come, first serve basis
- The costs to use the KMICF are here: <https://kalfaa.lpl.arizona.edu/user-information/rates>
- Note that there are no costs for NASA-funded users



The technical capabilities of KMICF. Planetary materials can be measured at spatial scales ranging from hand sample down to the atomic and in multiple geometries including particles, grain mounts, polished thin or thick sections, and electron-transparent ultramicrotome or FIB sections.

Contact information:

- Lunar and Planetary Laboratory, University of Arizona, 1629 E. University Blvd. Tucson, AZ 85721
- POCs: <https://kalfaa.lpl.arizona.edu/contact>



COLLEGE OF SCIENCE

**KUIPER-ARIZONA
LABORATORY
FOR ASTROMATERIALS
ANALYSIS**