



The JEOL JSM-7200F Scanning Electron Microscope: (<https://www.jeol.co.jp/en/products/detail/JSM-7200F.html>): “JSM-7200F has much higher spatial resolution than the conventional models at both high and low accelerating voltages by applying the technology used for “In-Lens SchottkyPlus”, the electron optics equipped on our flagship-model, JSM-7800FPRIME, and by incorporating TTLS (Through-The-Lens System). The maximum probe current of 300 nA is also guaranteed because of the above-mentioned features. Thus, JSM-7200F is a next-generation multi-purpose FE-SEM that has capability of high-resolution observation, high throughput analysis, ease of use, and expandability.”

This instrument was obtained through a Major Research Instrumentation Grant through the National Science Foundation submitted by Rosalynn Quinones-Fernandez in the Chemistry Department. [Award number: 1828358](#). “Acquisition of a Field Emission Scanning Electron Microscope for Research and Teaching in the Fields of Chemistry, Geology, Biology, Physics, and Forensic Science, is under the direction of Rosalynn Quinones-Fernandez (PI), Sean P. McBride (co-PI), Aley El-Shazly (co-PI), Iyad A. Hijazi (co-PI), Michael L. Norton (co-PI).” ~ Denise Martin, Grants and Agreements Officer. Press releases found below:

- [The Parthenon, September 19<sup>th</sup>, 2018](#)
- [MU University Communications October 12<sup>th</sup>, 2018](#)
- [We Are Marshall Newsletter, October 17<sup>th</sup>, 2018](#)