

## Call for Applications for User-Fee Vouchers for the Core Facilities Nebraska Center for Nanomedicine (NCN)

The Nebraska Center for Nanomedicine, a Center for Biomedical Research Excellence (COBRE) is soliciting applications for vouchers to be used to access core facilities supported by the Center.

*Bioimaging Core*, including MRI (<https://www.unmc.edu/radiology/research/bioimaging-core-facility/instrumentation.html>) Ultrasound/Photoacoustic Imaging (Vevo 3100 and Vevo LAZR-X systems, <https://www.unmc.edu/physiology/research/cores/echo-facility.html>), and Intravital Microscopy (multiphoton microscope/imaging platform, <https://www.unmc.edu/vcr/cores/translational-cores/small-animal-imaging/miti/index.html>)

*Nanomaterial Characterization Core* (Inductively Coupled Plasma Mass Spectroscopy, Surface Plasmon Resonance, Dynamic Light Scattering, Nanoparticle Tracking Analysis, UPLC, Field Flow Fractionation, Rodent Hematology & Blood Chemistry Analyzers, <https://www.unmc.edu/pharmacy/research/nanomaterials-characterization-core/index.html>)

**Purpose:** The goals of this voucher program are to encourage and support usage of the various imaging modalities and nanomaterial characterization methods by investigators for projects to help acquire preliminary data for external grant applications that would use the core facilities and to promote utilization of imaging methods in their research by users who are new to the technology.

**Description:** Vouchers in amounts up to \$5,000 per project will be made on a competitive basis. Funds can be used across the Cores supported by the Center and must be billed by May 31, 2023. These funds will not be allocated directly to the investigators' laboratories but would instead be held in an account by the Core Facility to be expended as needed to subsidize usage fees for the Cores for the applicable projects.

**Eligibility and Qualifications:** The voucher program is not limited to current NCN investigators, but is available to any faculty members holding tenure-leading appointments. Individuals with transient commitments to or from their institution will NOT be eligible; thus, post-doctoral fellows and visiting professors and investigators with no more than adjunct appointments are not eligible.

**Proposal Requirements:** Submit a one-page description of the entire project in the format of an NIH R-type specific aims page accompanied by an NIH-style Bio Sketch of the Principal Investigator. Include a cover letter summarizing your past experience with and the usage of imaging modalities or nanotechnology characterization methods in your research. Be sure to justify your proposed hours of use of the core facility relative to the requested funds. In addition, you should state how your intended use of the voucher program would either enhance an ongoing project or improve the likelihood of acquiring external funding for a new project. The Executive Committees of the Core Facilities will evaluate the proposals and awardees will be notified by email when decisions have been made.

**Deadline** for receipt of proposals: **June 15, 2022**. All applications must be submitted as pdf files via email to Tammy Slachetka ([tammy.slachetka@unmc.edu](mailto:tammy.slachetka@unmc.edu))  
Earliest possible date vouchers would be available: **July 1, 2022**

For further Information regarding instrumentation and fees:

MRI: Dr. Yutong Liu, 402-559-8340, [yutongliu@unmc.edu](mailto:yutongliu@unmc.edu);

Ultrasound/PA: Dr. Bryan Hackfort, 402-559-4372, [bryan.hackfort@unmc.edu](mailto:bryan.hackfort@unmc.edu);

Intravital Microscopy: Dr. Heather Jensen Smith, 402-559-4609, [heather.jensensmith@unmc.edu](mailto:heather.jensensmith@unmc.edu);

Nanomaterial Characterization: Dr. Svetlana Romanova, 402-559-9021, [sromanova@unmc.edu](mailto:sromanova@unmc.edu).