



5-6-2021

Dear St. Louis Scientists,

Both the High Resolution NMR and HPLC-HRMS Facility at the University of Missouri-St. Louis (UMSL) provide a service to the local business community and can help foster economic development. Many of the scientific-based companies in the St. Louis region do not have a high resolution NMR spectrometer at their site or may lack expertise on instrument set-up, data collection and data interpretation. UMSL's High Resolution NMR as well as HPLC-HRMS Facility can help your company's scientific endeavors by providing these NMR and HPLC-HRMS services. We have three high resolution NMR spectrometers, an Agilent DD2 600 MHz, Bruker Avance 300 MHz, and a Varian Unity Plus 300 MHz and Bruker Maxis Plus (maXis HD) quadrupole time-of-flight mass spectrometer. The NMR instruments are located in SLB 216 and MS instrument is in R106 on the UMSL north campus. For more information about our NMR instruments please go to <https://www.umsl.edu/chemistry/Facilities/nmr.html>

The services we offer include:

- Facility staff will provide NMR services and HPLC-HRMS for data collection
- 24/7 access to NMR spectrometers
- Hands-on training on the use and applications of NMR spectroscopy
- Implementation of traditional and newly developed NMR methods for users
- Collaborative research opportunities through Facility Staff

Contact Dr. Rensheng Luo at phone 314-516-5330 or email: luor@umsl.edu to arrange service today!

Sincerely,

Keith J. Stine

Keith J. Stine
Professor and Chair
Department of Chemistry and Biochemistry

From users:

Dr. Thomas Murray, Director of R&D from ELANTAS PDG: *The UMSL NMR facility is one of critical importance of our R&D department and an invaluable tool in the development of novel materials for the electrical insulation market. I also enjoy working with Dr. Luo and have found his experience and attentiveness to be extremely valuable to our company.*

Dr. Kevin Trankler, Senior research chemist from Novus: *Novus international has always considered the UMSL NMR facility to be state of the art and offer the best solution for our needs. The technique is vital for various aspects of our research and development. Additionally, the employees of Novus that have had interactions with Dr. Luo, have been very pleased and we look forward to a continued relationship.*

Dr. Amy Thanavaro, Analytical Services and Product Development, STERIS-St. Louis Operations: *Very professional and a pleasure to work with. We are pleased to support UMSL, our local university.*