

Campus Chemical Instrument Center



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MEMORANDUM

TO: Faculty Users of CCIC Facilities

FROM: Douglas Kniss, PhD, Director, CCIC
Charles Cottrell, PhD, Associate Director, CCIC-NMR Core Facility
Kari Green-Church, PhD, Associate Director CCIC-MS&P Core Facility

DATE: July 14, 2008

SUBJECT: Update from the CCIC leadership

Dear colleagues,

During this past year, you have used our analytical services as an integral part of your research programs, and we have enjoyed serving your mass spectrometry, proteomics and nuclear magnetic resonance spectrometry needs. As you know, our NMR Core Facility provides services in structural and quantitative biology and chemistry. The Mass spectrometry and Proteomics Facility (MS&P) has become one of the state-of-the-art resources in the nation. We are committed to a continuing plan to upgrade our instruments, and securing new instruments in the near future.

- Our Center continues to grow and, within this past year, we have installed an Orbitrap mass spectrometer with a comprehensive 2D LC system for ultra high resolution analysis and advanced chromatography that was acquired with a Shared Instrumentation Grant (SIG) to NIH under a joint venture between Michael Freitas of MVIMG/CCC, Kari, and several other OSU investigators.
- The services in the MS&P have expanded to include protein purification of His and GST tagged proteins, iTRAQ/ICAT analyses for global protein quantitation and advanced post-translational modification analyses.
- Kari and Larry Schlesinger, Director of the Center for Microbial Interface Biology, along with a strong team of OSU and Children's Hospital researchers submitted a Shared Instrumentation Grant (SIG) to NIH this past winter to acquire a new MALDI-TOF/TOF mass spectrometer that would be primarily dedicated to glycomics and lipidomics, but would also allow us to upgrade our current MALDI capabilities.
- We are also in the process of bringing to our Orbitrap system ETD capability, which will enhance our ability to add even more post-translational modification analysis to our repertoire.

We want to continue to serve your chemical analytical needs in a high-quality, high-throughput, and economical manner. After extensive discussions with our Oversight Committee (comprised of leadership from our principal colleges, centers and institutes whose faculties use our Center) and the MS&P and NMR Users' Groups (comprised of several chief users of our cores), a consensus was reached that our

rates for MS&P services need to be increased to keep pace with our rapidly escalating operating costs. A 20% increase in MS&P services will go into effect as of August 1, 2008. The MS&P rates have not been increased in several years, and we unfortunately are facing ever increasing operating expenses. This adjustment represents increases in the inflation of our operations, our need to account for service agreements on new instruments and unanticipated repair costs that we encounter each year. We will continue to work closely with the Oversight Committee and faculty users groups, and as we realign our budget figures, it may be possible to roll back our MS&P rates in the future.

The user fees for the NMR Core facility have been rounded to the nearest dollar for simplification, and an assessment of this change indicated that there would be no substantive increase in overall rates.

We have consulted extensively with our oversight groups and we are very sensitive to the challenges that our faculty users face in funding their projects. As always, we will work with you to provide the highest quality services, at the most reasonable cost structures, and in the most reasonable turnaround times possible.

Thank you for your continuing use of our facilities and for working with us as we continue to provide the best possible services to you and your research teams.

Dwight A. Kniss

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Kari B. Guen-Church

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Charles E. Cottrell

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