

Policies and guidelines for acknowledging NMR facility, staff members, and federal grant agencies

Acknowledgement

NMR facility

The NMR facility must be acknowledged in manuscripts, conference proceedings, thesis dissertations and lectures, *whenever the data collected by using the facility instruments are discussed*. The common situations include but not limited to the inclusion of NMR spectra, experimental methods, and discussions in the main body of a document or supplementary materials.

The acknowledgement may read:

“We thank the University of Iowa Central NMR Facility for....”

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Staff members

The *facility staff members should be duly acknowledged* whenever there is a fair amount of intellectual contribution involved in terms of experimental setup, data processing and or data analysis. There are a number of occasions in which an intellectual contribution is visible, but the time effort is not sufficient to warrant co-authorship. It happens often that the users request assistance on an experiment or a data analysis procedure where they have very minimal knowledge and experience to accomplish what they are aiming to accomplish on their own. If a staff member assists the user to accomplish the objective, it is an intellectual contribution and must be acknowledged accordingly.

The acknowledgement may read:

“We thank xxxxxx for his support in (doing what) ...”

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Federal grants and Institutional support

Majority of the NMR spectrometers housed in the NMR facility were financially supported either partially or completely by federal grants. On the other hand, the institutional support comes primarily in the form of subvention, staff support, or repair and replacement dollars annually. In addition, the College of Liberal Arts and Sciences (CLAS) and the Office of the Vice President for Research (OVPR) occasionally provides funding for the purchases of NMR equipment or probes to support the research and educational missions of the University of Iowa. The lead authors of the manuscripts should acknowledge the federal grants and the institutional support wherever applicable. The instruments, the funding agencies and the grant numbers are listed below.

| Instrument | Resource | Granting agency | Grant number | Comments |
|----------------|---------------|-----------------|--------------|----------|
| Avance-III-600 | High-field | NIH | S10-RR025500 | |
| Avance-III-500 | Solids | NSF | CHE-0840371 | |
| Avance-III-400 | Instructional | CLAS/Department | N/A | |
| Fourier-300 | Low-Field | OVPR/CLAS | N/A | |

An acknowledgement may read to include all the sources of funding: “The University of Iowa Central NMR facility equipment was supported by NIH grant, S10-RR025500, NSF grant, CHE-0840371, and University of Iowa funds”

Authorship

This policy pertains to crediting the intellectual and time effort contributions of staff members with co-authorships in manuscript, when the effort is significant. Examples include but not limited to:

- A) Structural characterization of unknown and known compounds
- B) The NMR spectral analysis requiring significant effort from the staff members,
- C) NMR experimentation (design, optimization, and adaptation of data collection methods)
- D) Mentoring students in executing NMR-related research projects.
- E) Designing, writing and editing significant portions of a manuscript

Sometimes, it is evident that there is a substantial effort from a staff member(s) and other times it is not so clear. In latter cases, the lead author is requested to his/her own discretion.

Publications for our archives

Please provide copies of the publications that acknowledge the NMR facility for our archives so that future grant support can be obtained.