# Processing Conventional and Non-Uniformly Sampled Biomolecular NMR Spectra: How to Do It, and What's Good to Know

## Thursday – February 24th, 2021 – 12:00 to 1:00 PM PST
## Online Zoom Event

Biomolecular NMR is widely applied to basic research in protein structure and dynamics, and can be exploited in a multitude of ways for drug discovery and manufacturing, including characterization of ligand binding for small-molecule drug development, and identification of structural changes in protein therapeutics during storage. Correspondingly, there are hundreds of different NMR experiments, many ways that a given experiment can be acquired, and these details are often vendor-specific. Furthermore, most any multidimensional NMR experiment can be acquired using the technique of non-uniform sampling (NUS), which speeds measurement by skipping acquisition of a selected fraction of the data, but requires special data format conversion and spectral reconstruction methods. We review the key concepts of NUS, and demonstrate the practical steps for format conversion and processing of conventional and NUS 2D and 3D biomolecular NMR data, using the latest interactive and command-line tools of the NMRPipe software system (http://www.ibbr.umd.edu/nmrpipe).
The presentation will be followed by Q & A.

RSVP here!

Zoom link to be shared with attendees on the day of the event.

## Our Distinguished Panelist:

Dr. Frank Delaglio
Principal Investigator, Biomolecular Measurement Division
National Institute of Standards and Technology

**The event is FREE and open to the community. More information at: calacs.org or email mozafari.mina20@gmail.com**