MAJOR RESEARCH INTERESTS

Our research interests lie in development and application of NMR methodology for protein structure determination, protein dynamics, and drug discovery. Current projects include

- Structure determination of biologically important proteins such as cell-cell adhesion proteins, tumor suppressors, RNA binding proteins, and lipid binding proteins.
- Development of novel NMR methods for the study of large proteins (>40 kDa)
- Functionally relevant dynamics on microsecond-millisecond and picosecond-nanosecond timescales
- Identification and design of phosphatase inhibitors using fluorescence and NMR-based methods

RECENT REPRESENTATIVE PUBLICATIONS