

2024 CANMRDG Meeting agenda

08:00-08:30 am Registration, coffee & Poster Setup
08:30-08:45 am Welcoming Remarks

Session I: Solid State NMR
Tuo Wang presiding
08:45-09:15 am **David Weliky**, Professor, Michigan State University
Quantitative determination of broad structural distributions by solids NMR
09:15-09:35 am **Jayasubba Reddy Yarava**, Research Associate, Michigan State University
Unveiling Fungal Cell Wall Complexity with Proton Detection Fast MAS NMR
09:35-09:55 am **Lokeswara Rao Potnuru**, Postdoctoral Fellow, Northwestern University
Higher-order arrangements of phosphoryl group wires stabilize pathological tau fibrils as revealed by multiple quantum solid-state NMR under DNP conditions
09:55-10:15 am break
Session II: Pushing the Frontiers of NMR
Charles Hoogstraten presiding
10:15-10:35 am **Shiny Maity,** Graduate Student, Northwestern University
Exploring Water-Mediated Activation of AsLOV2 Through NMR and EPR Studies
10:35-10:55 am **Benjamin Harding,** Graduate Student, University of Wisconsin-Madison
Scoring protein structures using top-down NMR
10:55-11:45 am Keynote #1- **Qi Zhang,** Professor, University of North Carolina at Chapel Hill
RNA in Action: Bring RNA Structure to Life
11:45 am-12:45 pm poster
12:45-01:30 pm lunch
Session III: Biomolecular NMR
Catherine Eichhorn presiding
01:30-02:00 pm **Sarah Keane,** Assistant Professor, University of Michigan
Structural and molecular investigation of precursor miRNAs
02:00-02:20 pm **Yi Zhang,** Graduate Student, University of Illinois at Chicago
Splice modulation of Risdiplam with different RNA Duplex by STD NMR
02:20-02:40 pm **Chung-Ta Han,** Research Associate, Northwestern University
Identify the initial pinning sites of tau to seeding-competent fibrils and the role of structural water
02:40-02:55 pm break
Session IV: Industrial application and career prospective in NMR
David Weliky presiding
02:55-03:25 pm **Christina Szabo,** Associate Director, Baxter International
Benchtop NMR of a Polysaccharide Product
03:25-03:55 pm **Scott Schmick,** Advanced Research Specialist, 3M
Importance of NMR from laboratory to production in a materials science and manufacturing company
03:55-04:45 pm Keynote #2 **Luke Arbogast,** Director, Eli Lilly and Company
Precessing in the Field: A Midcareer Perspective on NMR pursuits in Academia, Government and Industry

04:45-04:55 pm Awards Ceremony
04:55-05:00 pm Closing Remarks