North Jersey Section
American Chemical Society

The North Jersey ACS NMR Topical Group

presents its

Annual NMR Symposium

October 17th, 2025

Princeton University, Princeton, NJ 08544

More information available on our website: https://www.njacs.org/topical-group/nmr-spectroscopy/

The Symposium is **FREE** of charge to all attendees, registration is required.

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Morning session (9:20 - 12:00 pm EDT)

Tatyana Polenova
University of Delaware

Yande Huang
BMS

Theresa A. Ramelot
Rensselaer Polytechnic Institute

Keynote session (1:00 - 2:10 pm EDT)

Stephan Grzsesiek
University of Basel

Afternoon session (2:10 - 4:40 pm EDT)

Dominique P. Frueh
Johns Hopkins Medicine

Alicia N. Jones
New York University

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Program

Morning Session (9:20 – 10:30 PM EDT)

8:45 - 9:20: Breakfast/check in

9:20 - 9:30: Rongfeng Zheng, 2025 Chair NJACS NMR Topical Group
Opening Remarks

9:30 - 10:15: Tatyana Polenova, University of Delaware
MAS NMR, with and without DNP for integrative and cellular structural biology

Coffee Break (10:15 – 10:30 EDT)

10:30 - 11:15: Yande Huang, Bristol Myers Squibb
NMR Study of the Inclusion Complexation of Cyclodextrins with Cimlanod, a pH Sensitive Prodrug of HNO
11:15 - 12:00: Theresa A. Ramelot, Rensselaer Polytechnic Institute
Modeling Protein Flexibility: NMR-Guided Detection of Hidden States Revealed by AlphaFold

Lunch (12:00 - 1:00 PM EDT)

1:00 - 2:10: **Keynote Session** Stephan Grzsesiek, University of Basel
A high-resolution description of G protein-coupled receptor functional motions by backbone NMR spectroscopy

Coffee Break/Networking (2:10 – 3:00 PM EDT)

3:00 – 3:45: Dominique P. Frueh, Johns Hopkins Medicine
Finding Needles in Haystacks; Overcoming NMR spectroscopic crowding to unravel functional protein dynamics
3:45 – 4:30: Alicia N. Jones, New York University
Investigating the structural dynamics of noncoding RNAs
4:30 – 4:40: QingZhe Ni, 2026 Chair NJACS NMR Topical Group
Closing Remarks

Dinner Reception (6:00 - 8:00 PM EDT)

(Invitation only for speakers and donors/NJACS NMR group committee)
Register on the website here: https://www.njacs.org/event/annual-nmr-symposium/

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