

North Jersey ACS NMR Topical Group

presents

2021 Virtual NMR Symposium

October 18th, 2021

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

Link to the Microsoft Teams webinar: [NJACS October Symposium 2021](#)

The Symposium is **FREE** of charge to all attendees

Time Zone Conversion: EDT is UTC -4

Session 1 (8:00 – 10:00am EDT)

Christian Griesinger
Max Planck Institute

Matthias Ernst
ETH Zurich

Session 2 (10:15 – 12:05pm EDT)

Lewis Kay
University of Toronto

Ann McDermott
Columbia University

Session 3 (1:00 – 2:40pm EDT)

Nicholas Whiting
Rowan University

Qi Zhang
University of North Carolina

Session 4 (3:00 – 4:50pm EDT)

Andrew Nieuwkoop
Rutgers University

David Rovnyak
Bucknell University

Evening Keynote session (5:25– 6:15 pm EDT)

Gerhard Wagner
Harvard University

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Program

Session 1 (8:00 – 10:00am EDT)

8:10 – 9:00am - Christian Griesinger, Max Planck Institute

TBA

9:05 – 9:55am Matthias Ernst, ETH Zurich

Residual Dipolar Line Width in Proton MAS Solid-State NMR

9:55 – 10:15am – Break

Session 2 (10:15 – 12:05pm EDT)

10:20 – 11:10am - Lewis Kay, University of Toronto

Developing the NMR toolkit to study protein molecules in the phase separated state

11:15 – 12:05pm - Ann McDermott, Columbia University

Signaling in Biological Systems – Insights from NMR

12:05 – 1:00 pm - Lunch Break

Session 3 (1:00 – 2:40pm EDT)

1:05 – 1:45pm - Nicholas Whiting, Rowan University

Advances in Hyperpolarized Magnetic Resonance

1:50 – 2:40pm - Qi Zhang, University of North Carolina at Chapel Hill

Unveiling the “Invisible” Regulatory States in RNA

2:40-3:00pm – Break

Session 4 (3:00 – 4:50pm EDT)

3:05 – 3:55pm - Andrew Nieuwkoop, Rutgers University

Using NMR and Molecular Dynamics to Understand Protein Lipid Interactions

4:00 – 4:50pm - David Rovnyak, Bucknell University

The metabolome in the freezer: promises and pitfalls of mining metabolic knowledge in standard-of-care biobanked sera, and other unconventional NMR metabolomics

4:50-5:10pm – Break

Evening Keynote (5:10 – 6:30pm EDT)

5:25 – 6:15pm – Gerhard Wagner, Harvard University

From NMR studies of translation initiation factors to understanding and targeting cancer

6:20-6:30pm – closing remarks by **Jon Williams**, Co-Chair of the NJACS NMR Topical Group

Register on the website here: <http://www.njacs.org/nmr-spectroscopy-topical-group>

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