

AGENDA
USP Quantitative NMR Symposium
November 16-18, 2021 EST (U.S. Washington, DC)

Virtual Event	
November 16th, 2021	
Day 1: qNMR Introduction and Regulatory Applications	
Moderator: Kevin Moore, USP	
7:30 p.m. – 8:45 p.m.	
Session I: Welcome and Introduction	
7:30 – 7:45 p.m.	Welcome Opening: USP Introduction <ul style="list-style-type: none"> • Dr. Jaap Venema, USP, USA
7:45 – 8:15 p.m.	Keynote: Advancement and Persistence in quantitative NMR (qNMR) <ul style="list-style-type: none"> • Dr. Guido Pauli, University of Illinois at Chicago, USA
8:15 – 8:45 p.m.	Committee for the Development of qNMR Technology in Japan (qNMR-J) <ul style="list-style-type: none"> • Dr. Yukihiro Goda, NIHS, Japan
8:45 p.m. – 8:55 p.m. Q&A	
8:55 p.m. – 11:00 p.m.	
Session II: qNMR Applications in Regulatory Authorities	
8:55 – 9:25 p.m.	High-resolution ¹⁹ F qNMR reveals Mass-balanced Drug Phase Distribution in Oil-in-Water Nano-Emulsion Formulations <ul style="list-style-type: none"> • Dr. Kang Chen, CDER FDA, USA
9:25 – 9:55 p.m.	Application of qNMR in Drug Quality Control <ul style="list-style-type: none"> • Dr. He Lan, NIFDC, China
9:55 – 10:25 p.m.	Lifecycle Approach to Quantitative NMR Analytical Procedure in the USP General Chapters <761> Nuclear Magnetic Resonance Spectroscopy <ul style="list-style-type: none"> • Mr. Toru Miura, Fujifilm-Wako Pure Chemical Corp., Japan
10:25 – 10:55 p.m.	Implementation of qNMR in the Japanese Pharmacopoeia <ul style="list-style-type: none"> • Dr. Nahoko Uchiyama, NIHS, Japan
10:55 - 11:00 p.m. Q&A	

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Virtual Event	
November 17th, 2021	
Day 2: Understanding qNMR Applications	
Moderator: Jie Liu, USP	
7:30 – 9:50 p.m.	
Session III: Introduction of (q)NMR	
7:30 – 7:50 p.m.	From Request to Results: Recent Progress on the Development of MDrive for qNMR <ul style="list-style-type: none"> • Dr. Chen Peng, Mestrelab Research, Spain
7:50 – 8:10 p.m.	NMR Landscape from Benchtop to Ultra High Field <ul style="list-style-type: none"> • Ms. Huiwen Deng, Bruker, China
8:10 – 8:30 p.m.	Latest Developments in qNMR and Benchtop NMR Spectroscopy <ul style="list-style-type: none"> • Dr. Andrew Coy, Magritek, New Zealand
8:30– 8:50 p.m.	Chinese Pharmacopoeia General Chapter 0441 Nuclear Magnetic Resonance Spectroscopy — Revisions to add qNMR technology <ul style="list-style-type: none"> • Dr. Xinyi Xu, Chinese Pharmacopoeia, China
8:50– 9:10 p.m.	Considerations of applying NMR in the quality control of pharmaceutical excipients – ChP perspective <ul style="list-style-type: none"> • Ms. Lei Chen, Chinese Pharmacopoeia, China
9:10 – 9:30 p.m.	NMR Standards in Chinese Pharmacopoeia and Knowledge Sharing of qNMR Technology <ul style="list-style-type: none"> • Mr. Wenbin Shen, China Pharmaceutical University, China
9:30 – 9:50 p.m.	(q)NMR Education in Tianjing University <ul style="list-style-type: none"> • Dr. Xiaojuan Deng, Tianjing University, China
9:50 -11:20 p.m.	
Session IV: qNMR Applications	
9:50 – 10:10 p.m.	qNMR in Metrology <ul style="list-style-type: none"> • Mr. Wei Zhang, National Institute of Metrology, China
10:10 – 10:30 p.m.	Application of qNMR in Drug Discovery and Development <ul style="list-style-type: none"> • Dr. Baoning Su, WuXi AppTec, China
10:30 - 10:50 p.m.	Quality Analysis of Traditional Chinese Medicines Based on qNMR <ul style="list-style-type: none"> • Dr. Yong Jiang, Beijing University, China

Final Agenda, Updated on Nov-16

10:50 – 11:10 p.m.	The qNMR Method in the Remdesivir Toolkit and Beyond <ul style="list-style-type: none">• Dr. Jeff Moore, USP, USA
11:10 – 11:20 p.m. Q&A	

Preliminary

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Virtual Event by Invitation	
November 18th, 2021	
Day 3: Roundtable	
Moderator: Dr. Yang Liu, USP	
7:00 – 10:45 p.m.	
Session V: qNMR Community	
7:00 – 7:20 p.m.	Building qNMR Scientific Community in China Pharma Industry <ul style="list-style-type: none">• Dr. Geoff Tsen, USP, China
7:20 – 7:40 p.m.	qNMR Community in US (PANIC, USP Knowledge Hub, etc.) <ul style="list-style-type: none">• Dr. Yang Liu, USP, USA qNMR China Scientific Community <ul style="list-style-type: none">• Mr. Jie Liu, USP, China
7:40 – 10:30 p.m.	Panel Discussion: <ol style="list-style-type: none">1. Education and Transmission of qNMR Methodology<ul style="list-style-type: none">• qNMR Courses• Student/Novice Scientist Support2. Compendial qNMR Standard (Documentary and Reference Standards)3. Technical Discussions on qNMR<ul style="list-style-type: none">• Digitized NMR• qNMR Applications in Benchtop NMR4. Enhancement of (Domestic and International) Communication5. Others
10:30 – 10:45 p.m.	Wrap-up and Action Items <ul style="list-style-type: none">• Dr. Yang Liu, USP, USA