# The 9th International Symposium on Drug Discovery and Design by NMR

## Supported by Yokohama NMR Association

**Period: October 15 (Thu) – 16 (Fri), 2026**
**Venue: RIKEN Yokohama Institute Main Lecture Hall (Koryuto Hall)**
**Access:** http://www.yokohama.riken.jp/english/access/index.html

# Program

**<October 15 (Thu), 2026>**

10:00-10:10 **Opening address: Keisuke Kikuchi** (Deputy Director, Research Environment Division, Science and Technology Policy Bureau, Ministry of Education, Culture, Sports Science and Technology)

Chairperson: Hideo Takahashi (YCU)

10:10-11:00 **Peter Wright** (The Scripps, USA)
Role of conformational dynamics in pathogenic protein aggregation

11:00-11:30 **Kenji Sugase** (Kyoto Univ.)
High-Resolution NMR under Flow and Electric Fields: Implications for Protein Aggregation and Drug Discovery

11:30-12:00 **Tomohide Saio** (Tokushima Univ.)
Regulation of protein condensation through dynamics modulation

12:00-12:30 **Philip Wurm** (Bruker BioSpin GmbH&Co., Germany)
New BioNMR Tools and Applications at Ultra-High Field

12:30-13:30 **Lunch**

Chairperson: Hideyuki Yamaguchi (Ajinomoto Co.)

13:30-14:20 **Alvar Gossert** (ETH Zürich, Switzerland)
New Methods for Fragment-Based Drug Design by NMR

14:20-14:50 **Shuhei Kishikawa** (Daiichi Sankyo Co., Ltd.)
Fragment based approach against challenging target

14:50-15:20 **Junya Okude** (Chugai Co.)
Applications of NMR in Drug Discovery Research at Chugai

15:20-15:40 **Intermission**

Chairperson: Mizuki Takahasi (Daiichi Sankyo Co., Ltd.)

15:40-16:10 **Yutaka Ito** (TMU)
A picture of the activation and substrate recognition of proteins from the perspective of multi-state structural analysis

16:10-16:40 **Yoshifumi Nishimura** (YCU)
Intrinsically disordered regions in chromatin

16:40-17:30 **Jane Dyson** (The Scripps, USA)
Protein disorder in signaling

18:00-20:00 **Banquet at Yone-sushi (Fees: 9,000 JPY)**

**<October 16 (Fri), 2026>**

Chairperson: Takuya Torizawa (Chugai Co.)

10:00-10:50 **Harald Schwalbe** (Goethe-University, Germany)
NMR-based targeting of RNA

10:50-11:20 **Takanori Kigawa** (RIKEN)
Structure Analysis of Short RNA by Ultra-High-Field NMR

11:20-11:50 **Taiichi Sakamoto** (Chiba Tech)
Biophysical analysis of the interaction between aptamers and human IgG

11:50-12:20 **Koh Takeuchi** (Univ. Tokyo)
Application of NMR to diverse pharmaceutical modalities

12:20-13:20 **Lunch**

Chairperson: Koichi Kato (NINS)

13:20-14:10 **Donghan Lee** (KBSI, Korea)
AI for drug discovery using NMR spectroscopy

14:10-14:40 **Akiko Iihara** (Tanabe Pharma)
Beyond Structure Determination: How NMR Supports Our Drug Discovery

14:40-15:10 **Toshiya Funahashi** (Ajinomoto Co.)
Structural Basis for Substrate Recognition in L-lysine 6-dehydrogenase by Cryo-EM

15:10-15:30 **Intermission**

Chairperson: Takahisa Ikegami (YCU)

15:30-16:00 **Saeko Yanaka** (Tokyo Tech)
Dynamic Structures, Interactions, and Allostery of Therapeutic Antibodies Revealed by NMR and Computation.

16:00-16:30 **Noritaka Nishida** (RIKEN, Chiba U.)
Elucidating the Mechanism of Action of KRAS Inhibitors Using In-cell NMR

16:30-17:20 **Christian Griesinger** (Max-Planck Institute, Germany)
Towards therapy and diagnosis of neurodegenerative diseases: mechanistic insights by NMR

17:20-17:30 **Closing**

■ Registration fees: Free for active members, 8,000 JPY per person for non-active members.
■ Banquet fees: 9,000 JPY per person.

Chairman: Yoshifumi Nishimura (Yokohama NMR Association)
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