

FISNA

FIBER INTERNATIONAL SUMMIT FOR NUCLEIC ACIDS 2023

FIBER FUTURE COLLEGE98

Lectures In NANO&BIO NOW Series143 FIBER Webinar Universe29

2023

In person Lecture

7/18~20
TUE THU

KOBE UNIVERSITY



It would be appreciated if those who intend to participate in "FIBER International Summit for Nucleic Acids (FISNA) 2023", apply to it via following website.

<https://konan-fiber.jp/en/archives/748>

Once your registration has been accepted, we will send you an e-mail within two business days.

Application due date:

July 11, 2023 (All attendees)

June 28, 2023 (Attendees for poster presentation)

Contact information

 **KONAN UNIVERSITY**

Tel 078-303-1147

Email: fiber@adm.konan-u.ac.jp

<http://www.konan-fiber.jp>



 **KONAN FIBER**

Organized by Konan University, Frontier Institute for Biomolecular Engineering Research (FIBER)

This symposium is a part of the projects funded by JSPS grants "Core-to-Core programs".

Jointly organized by The Council of the Hyogo-Kobe Science Cluster, The Chubei Itoh Foundation, The Japan Society of Nucleic Acids Chemistry (JSNAC)

Day 1... 18 TUE

10:00 Opening

10:10

Metal complex binding to different DNA structures



John Brazier

Associate professor, Chemistry Department, University of Reading, UK

10:45

Cyclic bis-naphthalene diimides (cbNDI) for cleft identification of G4 clusters



Shigeori Takenaka

Professor, Faculty of Engineering Department of Materials Science, Kyushu Institute of Technology, Japan

13:00 Poster Session

15:00

Urine-based genetic diagnosis of brain tumors



Atsushi Natsume

Professor, Institute of Innovation for Future Society of Nagoya University, Japan

15:30

Quadruplexes in viruses



Sara N. Richter

Professor, Department of Molecular Medicine University of Padova, Italy

Day 2... 19 WED

10:00 Research Exchange & Free Discussion

14:15

Stability prediction of nucleic acid duplexes universally applicable to in vitro and intracellular crowding conditions



Saptarshi Ghosh

Research assistant professor fellowship, Frontier Institute for Biomolecular Engineering Research (FIBER), Konan University

14:45

Modified substrates and polymerase variants for functional xeno nucleic acid selections



Masayasu Kuwahara

Professor, Department of Chemistry, College of Humanities and Sciences, Nihon University, Japan

15:30

Triplex-Forming Peptide Nucleic Acid Controls Dynamic Conformation of RNA



Eriks Rozners

Professor, Department of Chemistry, Binghamton University, The State University of New York, USA

Day 3... 20 THU

10:00 Online Lecture

10:00

Advances in Nucleic Acids Polymer Hybrids



Subha Das

Associate professor, Department of Chemistry and Center for Nucleic Acid Science & Technology, Carnegie Mellon University, USA

10:30

Uncovering the ability of dietary plant flavonoids targeting non-canonical DNA structures



Sudipta Bhowmik

Assistant professor, Mahatma Gandhi Medical Advanced Research Institute (MGMARI), SBV University, India

13:00

Molecular dynamics study on the stability of G-quadruplexes



Shigenori Tanaka

Professor, Graduate School of System Informatics Department of Computational Science, Kobe University, Japan

13:30

Structural insights into cation-dependent switch in the G-rich lncRNA



Janez Plavec

Professor, Slovenian NMR Centre at the National Institute of Chemistry, Slovenia

14:00 Closing & Research Exchange