

FISNA 2022

July/
13th Wed.
15th Fri.

FIBER International Summit for Nucleic Acids 2022

7F Lecture room
in person & on line

Free to Participate



7/13 wed

10:10 - Eriks Rozners

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

**Amide-Modified RNA: Using
Protein Backbone to Modulate
Function of RNA**

10:45 - Masayasu Kuwahara

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

**Detection systems using
formation of ternary
initiation complexes**

11:20 - Shigeori Takenaka

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

**Electrochemical detection
of G-quartet RNA for
SARS-CoV-2**

14:20 - Kyeong Kyu Kim

Professor, Department of Molecular Cell Biology,
Sungkyunkwan University School of Medicine

**Noncanonical DNAs:
structure, function and
modulation**

15:00 - Christine Cardin

Professor, Chemistry Department, University of Reading

**Recognition of DNA
G-quadruplex topology by
ruthenium polypyridyl
complexes**

7/14 thu

9:00 - Danzhou Yang

Distinguished Professor, Associate Dean for Graduate Programs
College of Pharmacy, Purdue University Martha and Fred Borch
Endowed Chair in Cancer Therapeutics, Purdue Cancer Center,
Purdue University

**DNA G-quadruplex:
Structures, Functions, and
Drug Targeting**

**9:35 - Talk session from
young researchers**

Jaepil Jeong

Department of Chemistry, Carnegie Mellon University
**Sodium pyruvate based systems for
biocompatible click chemistry and
polymer grafts from DNA**

Hidenori Okamura

The Institute of Multidisciplinary Research for Advanced
Materials, Tohoku University
**Expanding the toolbox of non-natural
nucleosides for functionalization of
oligonucleotides**

Maria Toplishek

University of Ljubljana,
Slovenian NMR Centre at the National Institute of Chemistry
**NMR study of the ensemble of structures
adopted by G-rich region from 5' -UTR of
tyrosine kinase 2 (TYK2) mRNA**

Saki Matsumoto

Frontier Institute for Biomolecular Engineering Research (FIBER),
Konan University
**Regulation of transition between
canonical and non-canonical DNA
structures by DNA modifications**

Peter Podbevšek

University of Ljubljana,
Slovenian NMR Centre at the National Institute of Chemistry
**Oxidative lesions in non-canonical DNA
structures**

7/15 fri

9:00 - Bruce Armitage

Professor, Chemistry
Co-Director, Center for Nucleic Acids Science and
Technology, Carnegie Mellon University

**Invasion of G-Quadruplex
and i-Motif DNA by PNA**

9:40 - Keiji Numata

Professor, Biomaterial Chemistry, Chair in Polymer
Material Chemistry
Department of Material Chemistry, Graduate School of Engineering,
Kyoto University

**Peptide chemistry-mediated
nucleic acid delivery for
plant organellar
modifications**

10:45 - Kazunori Matsuura

Professor, Department of Chemistry and Biotechnology,
Graduate School of Engineering, Tottori University

**Artificial Virus-like Materials
constructed by
Self-assembly of Peptides**

11:20 - Janez Plavec

Professor, University of Ljubljana,
Slovenian NMR Centre at the National Institute of Chemistry

**Folding of G-rich sequences
into non-G-quadruplex
structures**

We welcome your participation to "FIBER International
Summit for Nucleic Acids (FISNA) 2022". All audiences
except for participants from Konan University are invited to
view only online (ZOOM) this year. Please visit and apply via
following website.

<http://konan-fiber.jp/archives/3368>

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

Application Deadline: July 10th, 2022

Contact information

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