

# FISNA 2022

July/ 13<sup>th</sup> Wed. 15<sup>th</sup> 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

**Konan University**

Tel 078-303-1147

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

http://www.konan-fiber.jp

