

# The 24th Collegium for Comparative Glycomics

3rd of September (Sat), 2022

14:00 ~ 17:00 (JST)

This meeting will be held in a hybrid format: both on-line and on-site.

On-site: Lecture room 104 of E1 building, Kinjo Gakuin University, Nagoya

Direction: <https://www.kinjo-u.ac.jp/eng/direction/1.html>

Lectures of part 1 will be spoken in Japanese (except for the special lecture).

Lecturers of part 2 will be spoken in English.

To register to attend this online webinar, please complete your application via [this link](#) by 27th August 2022 (Saturday). You will be sent the webinar's Zoom

URL by 31st of August.

## **Part 1: Comparative glycomics (14:00~15:30)**

Introduction

ガレクチンとガラクトースの起源

Origin of galectin and galactose

Jun Hirabayashi (Nagoya University)

*Lecture 1 (15 min)*

精密な解析により発見された幾つかの新奇な糖鎖構造について

Novel glycan structures identified by precise analysis

Ken Hanzawa (Gifu University)

*Lecture 2 (15 min)*

血清および脳脊髄液に発見した新たな低分子量の血液型特異的糖鎖

Comprehensive glycomic approach reveals novel low-molecular-weight blood group-specific glycans in serum and cerebrospinal fluid

Dr. Hisatoshi Hanamatsu (Hokkaido University)

*Lecture 3 (15 min)*

二枚貝にみる R-型レクチンの多様性とブリコラージュ

Molecular tinkering and bricolage in musel R-type lectins

Yuki Fujii (Nagasaki International University)

*Special lecture 1 (30 min)*

Specificity of noroviruses and nodaviruses toward glycan expressed in invertebrates – impact on Human pandemics and food chain (tentative)

Dr. Yan Guerardel (Université de Lille)

- *Intermission* -

**Part 2: Brain-focused glycomics (15:40 ~ 17:00)**

*On-line Lecture (20 min)*

Systems glycomics of adult zebrafish identifies organ-specific sialylation and glycosylation patterns - Glycan Structural Features of Zebrafish Brain Revealed by Comparative Glycomics -

Dr. Nao Yamakawa, Université de Lille

*On line special lecture 2 (30 min)*

Spatial and temporal diversity of glycome expression in mammalian brain

Dr. Hyun Joo An, Chungnam National University

*On line special lecture 3 (30 min)*

The dynamic brain *N*-glycome

Dr. Thomas S. Klarić, Genos Glycoscience Research Laboratory

Organizers

Jun Hirabayashi (Nagoya University)

Yasuro Shinohara (Kinjo Gakuin University)