



2022 Yokohama City University
Fellowship for Innovative Students with Data Thinking

Research Presentation

DATE : Feb. 17, 2023 (Fri) TIME : 13:00 to 17:00

VENUE : Online (Zoom) and Minatomirai Satellite Campus

*You may choose whether you will attend virtually (via Zoom) or physically at the Minatomirai Satellite Campus.

DETAILS (Presentations in English : Simultaneous interpretation in Japanese)

[PART 1] 2nd Students (Research presentation: 7min Q&A: 3min)

*2nd Students : Doctoral Program 1st year / Graduate School of Medicine Doctoral Program 2nd year

1. Chinese Overseas Migration in the Global Era : Focusing on Study Abroad Migrants from Fuqing
2. Household Consumption Behavior: Analysis using data on healthcare
3. Development of on-line functional group analysis methods for oxidation products of monoterpenes using advanced mass spectrometry
4. Development of peptide-based LYTAG degrading extracellular proteins
5. Identification of Regulatory Factors for Cardiac Differentiation of Human Induced Pluripotent Stem Cells Using Quantitative Proteomics.
6. Analysis of the functions of cell adhesion molecules with glycans during maturation of iPSC-derived hepatocytes.
7. A study on interpretability of machine learning models.
8. Ambulance Demand in Yokohama City Using Spatio-Temporal Dynamic Prediction

[PART 2] 1st Students (Research presentation: 7min Q&A: 3min)

*1st Students: Doctoral Program 2nd year / Graduate School of Medicine Doctoral Program 3rd year

1. The formation of the Local Brand Peach "ChengShan Groove" and the Functions of farmer-specialized cooperatives.
2. Identification of transit-amplifying progenitors of thymic epithelial cells
3. DEVELOPMENT OF NEW DRUGS AND THERAPIES BY PROTEIN STRUCTURAL ANALYSIS
4. Analysis for the induction-mechanism of peritonitis regulated by adipose tissue.
5. Elucidation of progression mechanism of familial platelet disorder to acute myeloid leukemia.
6. Can Postmortem CT diagnose hematoma around cervical cord?
7. Identification of the components of Cajal body by a novel in situ biotinylation technique, and elucidation of mechanism of Cajal body formation.
8. The correlation between AMPA receptors and mental illnesses.

[Discussions] By 2nd Students (40min)

Theme: Unleashing the Power of Data Science: Harnessing the Potential of Data-Driven Research

[Social gathering]

Social gathering with participating companies and students/faculties

2021
Research
Presentation

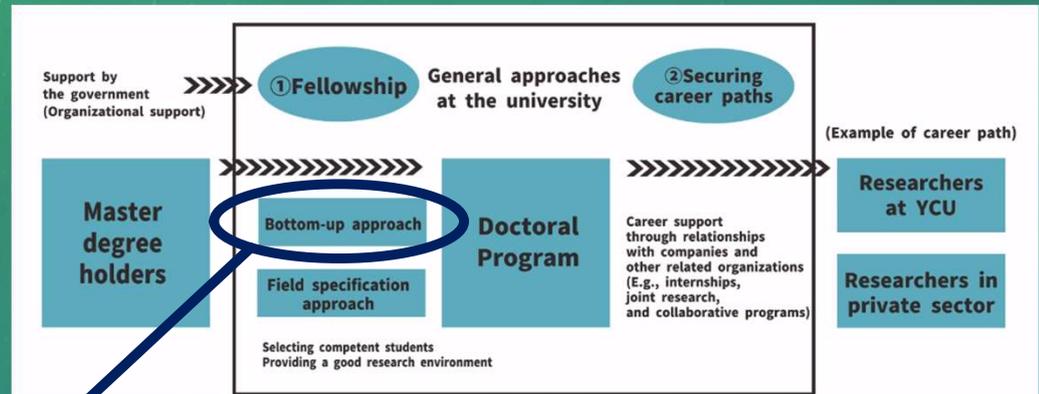


16 students selected for the Yokohama City University Fellowship for Innovative Students with Data Thinking will present their research results in English. *Japanese simultaneous interpretation available

The Ministry of Education, Culture, Sports, Science and Technology (MEXT) is concerned about the decline of the doctoral program enrollment rate and of scientific and technological competency in the near future. For that reason, MEXT has launched the "University Fellowship Creation Project for the Creation of Science and Technology Innovation".

Ministry of Education, Culture, Sports, Science and Technology (MEXT)

University Fellowship Creation Project for the Creation of Science and Technology Innovation



Bottom-up approach :
Expecting innovations based on the university and community's strong points. Innovations may cover various academic fields including Humanities and Social Sciences.

Yokohama City University was selected for this project in a bottom-up approach, and has launched the "Fellowship for Innovative Students with Data Thinking". "Innovative Students" are expected to have the knowledge and skills to solve social issues based on data analysis. They cooperate with others beyond the walls of faculties, while contributing to creating new values for the greater future of society.

Yokohama City University (YCU)

Fellowship for Innovative Students with Data Thinking

Collaboration between 6 graduate schools

● Program Name

Fellowship for Innovative Students with Data Thinking

● Eligibility: 8 students/Grade (Support up to 3 years)

- Be enrolled in one of YCU's 6 Graduate School's doctoral programs
- Research theme must be "health and social research", and research method must be "data thinking".
- Research has the potential to bring new value to society and induce innovation.
- Research has a humanities-integrated element and an interdisciplinary element.

* Not eligible: experienced working adults, other benefit recipients, government-sponsored international students.

● Main Support

- Livelihood support(1.8 million yen/year), Research support (200,000 yen/year)
- Improvement of research ability and Career path support(implementation of lectures, internships, joint research)
- Securing career paths (new role creation, exchange meetings, internship development)
- Implementation of joint research presentation

*Participation in internships, support courses, research presentations, etc. is compulsory.