

October 18th – December 06th, 2021

バイオインフォマティクス特講 *Current Trends in Bioinformatics*

- **Introduction to Modern Bioinformatics**
- **Practical and Medical Applications: NGS Technologies & AI**
- **Life Science Big Data: Best Practices for Analysis & Visualization**
- **Future Outlook: Challenges & Opportunities**

Elective Course: YCU Medical and Health Data Science Graduate Students

Open to: YCU Students (Fukuura, Hakkei, Kihara, Tsurumi, Yokohama)
YCU Faculty Members & KYOTEN Network Members

- 8 Academic/Industry Speakers
- Lectures: 3 in English & 5 in Japanese
- Each Lecture: 1hr + **30 minutes discussion (encouraged)**
- No fees

| | Lecturer | Affiliation | Lecture Title / Language | Date |
|---|-------------------|--------------------------|--|--|
| 1 | Jordan RAMILOWSKI | YCU RIKEN IMS | "Introduction to Modern Life Science Big Data" (ENG) | 18-October-2021 Monday 16:10-17:40 |
| 2 | Takahiro SUZUKI | RIKEN IMS YCU | "Introduction to the NGS and to OMICS Data Analysis" (JP) | 25-October-2021 Monday 16:10-17:40 |
| 3 | Katsuyuki YUGI | RIKEN IMS | "Trans-Omics: Integration of Multiple Omic Data for Systems Biology" (JP) | 01-November-2021 Monday 16:10-17:40 |
| 4 | Martin FRITH | AIST Tokyo University | "Analyzing Genetic Sequence Data" (ENG) | 08-November-2021 Monday 16:10-17:40 |
| 5 | Ken AOSHIMA | EISAI | "Bioinformatics in Pharmaceutical Industry" (JP) | 15-November-2021 Monday 16:10-17:40 |
| 6 | Kei TERAYAMA | YCU | "Acceleration of Life Science by Machine Learning and Molecular Simulation" (JP) | 22-November-2021 Monday 16:10-17:40 |
| 7 | Masaki ONUKI | Humanome Lab | "Fundamentals of Artificial Intelligence (AI)" (JP) | 29-November-2021 Monday 16:10-17:40 |
| 8 | Jessica SEVERIN | RIKEN IMS | "Building Interactive Tools to Visualize NGS Data" (ENG) | 06-December-2021 Monday 16:10-17:40 |

Application:

<https://forms.office.com/r/He7G8v4B4G>

Participants can join anytime during the course and attend selected lectures only.



Organized by: SENTANKEN Bioinformatics Lab & the Joint Usage/Research Center Program (KYOTEN)

Coordination: SENTANKEN & Academic and Curriculum Affairs Section

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