

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/TpRjKp4Q8q>



Participants can join anytime during the course and attend selected lectures only.  
One-time registration is sufficient. To join, please register until 12:00 p.m. on the lecture day.

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

Coordination: SENTANKEN & Academic and Curriculum Affairs Section

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