

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

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