

Course number		G-LAS11 80027 LE68					
Course title (and course title in English)	先端生命科学特論 Cutting-edge Life Sciences			Instructor's name, job title, and department of affiliation	Graduate School of Biostudies Professor,IMAYOSHI ITARU Graduate School of Biostudies Professor,AOKI KAZUHIRO Graduate School of Biostudies Professor,TOJU HIROKAZU Graduate School of Biostudies Associate Professor,SAKAMOTO MASAYUKI Graduate School of Biostudies Associate Professor,GOTO YUHEI Graduate School of Biostudies Program-Specific Junior Associate Professor,NISHIKAWA SEIYA Graduate School of Biostudies Assistant Professor,SUZUKI YUSUKE Graduate School of Biostudies Assistant Professor,HIRANO SAYUKI Graduate School of Biostudies Assistant Professor,FUJITA Hiroaki		
Group	Interdisciplinary Graduate Courses		Field(Classification)	Natural Sciences			
Language of instruction	English		Old group		Number of credits	1	
Hours	15	Class style	Lecture (Face-to-face course)		Year/semesters	2026・Intensive, Second semester	
Days and periods	Intensive Tue 3:30~6:45(pm.)	Target year	Graduate students		Eligible students	For science students	
(Students of Graduate School of Biostudies cannot take this course as liberal arts and general education course. Please register the course with your department.)							
[Overview and purpose of the course]							
生命科学領域の中で特に目覚ましい発展をとげている研究から、それぞれの領域の第一人者の先生に簡単な背景から将来の展望にいたるまでを講義をしていただき、大学院生の研究へのモチベーションを高めることを目的とする。また、近年急速に発展している生命情報解析について積極的に取り上げる。 Prominent leading scientists from several research fields of life science will provide their research histories from their backgrounds to future prospect, to encourage young scientists. In addition, we will actively address bioinformatics analysis, which has been rapidly developing in recent years.							
[Course objectives]							
Learning the most advanced topics in selected research fields such as cell and molecular biology, biophysics, plant science, neuroscience, developmental biology, regenerative medicine, bioinformatics and information science.							
[Course schedule and contents)]							
1 : Oct. 13 (Tue), 2026 15:30-16:45 17:00-18:15 学外講師:松田 泰斗 奈良先端科学技術大学院大学 准教授 2 : Oct. 27 (Tue), 2026							
Continue to 先端生命科学特論(2) ↓ ↓ ↓							

先端生命科学特論(2)

15:30-16:45

17:00-18:15

学外講師:豊田 正嗣 埼玉大学 理学部 分子生物学科 教授

3 : Dec. 1 (Tue), 2026

15:30-16:45

17:00-18:15

学外講師:本郷 裕一 東京科学大学 生命理工学院 教授

4 : Dec.15 (Tue), 2026

15:30-16:45

17:00-18:15

学外講師:中戸 隆一郎 東京大学 定量生命科学研究所 准教授

*Please be aware that details are subject to change.

** Place: Large Seminar Room (1F), Science Frontier Bldg, South Campus

(Building 16 in the Faculty of Medicine campus. <https://www.kyoto-u.ac.jp/en/access/medicine-campus-map>)

[Course requirements]

None

[Evaluation methods and policy]

Evaluation will be based on attendance and effort. Further details will be announced in the first lecture.

[Textbooks]

Not used

[References, etc.]

(References, etc.)

Introduced during class

Related papers, which are useful to understand lectures, will be indicated in flyers.

[Study outside of class (preparation and review)]

Basic knowledge of molecular biology will be required to understand the course content. No particular preparation is necessary, but students are advised to read related papers, which will be useful to understand lectures.

[Other information (office hours, etc.)]

連絡担当教員: 今吉 格(imayoshi.itaru.2n@kyoto-u.ac.jp)

博士課程2回生以上の学生の出席も歓迎します。

[Essential courses]