Syllabus Reference

Course title	Special Lectures in Physiological Sciences 2		
Term	通年(前期開始) Whole Year		
Credit(s)	1		
The main day		The main period	
Program/Department	48 Physiological Sciences		
Lecturers			
成績評価区分 Grading Scale	A,B,C,Dの4段階評価 Four-grade evaluation		
レベル Level	Level 3		
力量 Competence	専門力 Academic expertise、独創性 Creativity		

Instructor

Full name
* YOSHIMURA YUMIKO
ISODA MASAKI
NISHIDA MOTOHIRO
FUKUNAGA MASAKI
MURATA KAZUYOSHI
NISHIJIMA KAZUTOSHI
KOBAYASHI TOSHIHIRO
ENOKI RYOSUKE

Outline	Experts in their respective fields will provide lectures on recent advancements and cutting-edge research findings in various areas of physiological sciences.
Learning objectives	The goals are to understand the latest research in physiological sciences and to broaden and deepen one's knowledge across a wide range of fields.
Grading policy	To earn credit, students are required to attend at least half of the sessions (2 or more sessions) in both the first half (Lectures 1-4) and the second half (Lectures 5-8) of the course. ·Spring Semester Report: After the spring sessions conclude, select one lecture from the first half (Lectures 1-4) and submit a report (approx. 600 words in English). Submission Deadline: July 31, 2026 ·Fall Semester Report: After the fall sessions conclude, select one lecture from the second half (Lectures 5-8) and submit a report (approx. 600 words in English). Submission Deadline: January 31, 2027 Evaluation Criteria: The two submitted reports will be evaluated collectively on a 100-point scale. Grades will be assigned on a four-level scale: A (100-80), B (79-70), C (69-60), and D (below 60). A total score of 60 or higher is required to pass. Submission of Reports ·Physiological Sciences Course students: Please refer to the "Special Lecture in Physiological Sciences" section at the following URL: https://sites.google.com/nips.ac.jp/sokendaiadm/ ·Students from other courses: Please submit the reports via email to the Graduate School Affairs Section (sokendai-adm@nips.ac.jp).
Lecture Plan	Lecture Schedule All lectures will be held online via Zoom on Wednesdays from 15:00 to 16:30. Lecture 1 – April 15, 2026 Structural and functional analysis of the living brain using MRI Masaki Fukunaga

	Lecture 2 – May 27, 2026 Physiology and pathophysiology of the heart Motohiro Nishida Lecture 3 – June 10, 2026 Structure-function of biomolecules and its analysis method Kazuyoshi Murata Lecture 4 – July 1, 2026 Physiological understanding of social brain function Masaki Isoda Lecture 5 – October 28, 2026 Physiological Mechanism of the Circadian Clock Ryosuke Enoki Lecture 6 – November 11, 2026 Understanding and reconstitution of germline development using pluripotent stem cells Toshihiro Kobayashi Lecture 7 – December 16, 2026 Experimental animal model in lipid metabolism Kazutoshi Nishijima Lecture 8 – January 13, 2027 Experience-dependent development of neuronal circuits in the visual cortex Yumiko Yoshimura
Location	Online
Language	English
Textbooks and references	None
Notes for students of other programs	Note: Students from courses other than Physiological Sciences must contact the NIPS Graduate School Affairs Section (sokendai-adm@nips.ac.jp) prior to registration.
Others	Enrollment is strongly recommended for D1 and D2 students in the Physiological Sciences Course. Students from other courses are also welcome to attend.
Contact for Course Inquiries	For inquiries regarding lectures: Yumiko Yoshimura, yumikoy@nips.ac.jp For inquiries regarding the submission of the reports: the NIPS Graduate School Affairs Section, sokendai-adm@nips.ac.jp