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| 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 |

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

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| 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 |