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Syllabus Reference

Course title	Regulation of Biological Function 1		
Term	前期 1st Half		
Credit(s)	1		
The main day		The main period	
Program/Department	48 Physiological Sciences		
Lecturers	西田基宏、村上正晃、曽我部隆彰、長谷部理絵、西村明幸、山﨑剛士		
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		

nstructor	
Full name	
* NISHIDA MOTOHIRO	
MURAKAMI MASAAKI	
SOKABE TAKAAKI	
HASEBE RIE	
NISHIMURA AKIYUKI	
YAMASAKI TAKESHI	

Learn basic knowledge about the cardiocirculatory system, immune system, feeding behavior system, and sensory sensing system, all of which are important for maintaining homeostasis in the body through eight lectures.
 Understand the physiological and pathophysiological functions of the cardiovascular system. Understand autoimmune diseases and neuroimmunity related diseases. Understand neural mechanism of feeding behavior. Understand nociception, thermoreception, and sensory sensing.
Attendance of at least half of the lectures is required for credit. A summary report on one of the lectures must be submitted. The instructor of the lecture will grade the submitted report based on the level of understanding of the lecture. Based on their judgment, the course instructor will assign a pass or fail grade.
April 19 - July 19, 2024, Friday 10:00 - 11:30 a.m. (Dates are subject to change, please check the Physiological Sciences course page.) Apr. 19th "Cardiac physiology and pathophysiology" (Nishida) Apr. 26th "Decoding cardiovascular homeostasis from mitochondrial quality control (Nishimura) May 10th "Pathogenesis of autoimmune diseases" (Murakami) May 24th "Biological functions and pathogenesis regulated by neuro-immune interaction" (Hasebe) June 7th "Tissue Specific inflammation regulated by neuro-immune interaction" (Yamasaki) June 14th "Neural mechanism of feeding behavior" (Nakajima) July 5th "Molecular mechanisms for detection of nociceptive stimuli and temperature in

170 17 12 0:10	Syllabate Profession
	mammals" (Tominaga)
	July 19th "Molecular mechanisms of sensory functions in Drosophila" (Sokabe)
Location	Zoom online
Language	English
Textbooks and references	NA NA
Notes for students of other programs	NA NA
Related URL	https://www.nips.ac.jp/graduate/curriculum.html
Explanatory note on above URL	上記の生理科学コースのウェブサイトで最新のスケジュールをご確認ください。
Others	
Contact for Course Inquiries	Motohiro Nishida nishida@nips. ac. jp Akiyuki Nishimura aki@nips. ac. jp

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