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<mark>Category</mark> (科目区分)		Cluster of Neuroscience System				
<mark>Course Title</mark> (授業科目名)		Neurotransmission mechanism / experimental practice				
[()	nstructors 担当者名)	Tomohiro Numata	<mark>Academic Year</mark> (配当年次)	1		
Required Course / Elective Course (必修/選択)		Elective Course	<mark>Credits</mark> (単位数)	1		
<mark>Class Format</mark> (授業形態)		experimental practice				
<mark>Schedule</mark> (開講期間)		Students will be notified by email after the course registration is complete.				
Class Date/Period (開講曜日 • 時間) Students will be notified by email after the course registration is complete.				complete.		
Course Outline/ Course Objectives (授業の概要・到達目標)						
Class purpose: Understand typical neurophysiological research methods based on basic knowledge as a						
medical course student.						
Class Achievement Goals: Understand and practice essential neurophysiological research methods.						
Course Overview: 1–2. Learn about behavioral experiments in mice and data recording techniques. 3–5. Explore the patch-clamp recording method in vitro. 6–7. Study the in vivo patch-clamp recording method. 8–10. Acquire knowledge of optogenetics experimental techniques.						
Course Planning (授業計画)						
	Course Outline	/ Course Objectives(授業の概要及び到達目標)	Instructor	Department (講座名)		
	(Conter	n <mark>ts of Class</mark>) ((授業内容))	(担当教員名)	Class Room〔実施場所〕		
1 /	Animal behavior	behavior experiment				
			behavior experiment			
2	Mouse behavior	experiment				
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Textbooks / References: Textbooks / References: "Standard Physiology" Igaku-Shoin