	Category (科目区分)	Cluster of Pathology and Pathology System				
<mark>Course Title</mark> (授業科目名)		Practice of Molecular Pathology				
	<mark>Instructors</mark> (担当者名)	Yasufumi Omori		Academic Year (配当年次)	1,2	
Rec El	uired Course / ective Course (必修/選択)	Elective Course		<mark>Credits</mark> (単位数)	1	
Class Format (授業形態) Experimental Practice						
	Schedule (開講期間) Informed individually by E-mail after registration					
Cla: (開	Class Date/Period (開講曜日•時間)					
Cour	Course Outline/ Course Objectives (授業の概要・到達目標)					
Aims: To learn the methods to detect known driver mutations raised in cancer cells and to practice it. Objectives: To extract DNA and/or RNA from formalin-fixed paraffin-embedded tissue samples and to do DNA sequencing by using PCR/RT-PCR-amprified DNA fragments.						
Therefore, the program is arranged individually for each trainee. Days 1 and 2: Design of PCR primers to detect known driver mutations Days 3 and 4: Extraction of nucleic acids from formalin-fixed paraffin-embedded tissue samples Days 5 and 6: PCR and/or RT-PCR Days 7 and 8: Purification of DNA fragments after PCR Days 9 and 10: DNA sequencing						
Course Planning (培業計画)						
Cour	rse Planning (授:	業計画)				
Cour	rse Planning (授:	業計画) (Course Objections( <sup>1</sup>		-		
Cour	rse Planning (授: Course Outline, (Conten	業計画) / Course Objectives(拮 ts of Class)	受業の概要及び到達目標) ((授業内容))	<mark>Instructor</mark> (担当教員名)	Department (講座名) Class Room 〔実施場所〕	
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Subjects for self-learning: Students are expected to prepare for each session according to the course outline and objectives.