

Category (科目区分)	Cluster Common Basic Subjects		
Course Title (授業科目名)	Practice for basic medical science: Isolation of tissue-resident immune cells		
Instructors (担当者名)	Takashi Ebihara	Academic Year (配当年次)	1,2
Required Course / Elective Course (必修/選択)	Elective Course	Credits (単位数)	1
Class Format (授業形態)	Experimental practice		
Schedule (開講期間)	TBD		
Class Date/Period (開講曜日・時間)	TBD		
Course Outline/ Course Objectives (授業の概要・到達目標) Aims: To learn how to isolate tissue-resident immune cells.  Course Outline: Practice to isolate immun cells from intestine, liver, lung, skin, and other tissues.			
Course Planning (授業計画)			
	Course Outline/ Course Objectives (授業の概要及び到達目標) (Contents of Class) ( (授業内容) )	Instructor (担当教員名)	Department (講座名) Class Room [実施場所]
1	Isoation of Immune cells from intestine	Prof. Takashi Ebihara	Dept. of Molecular Medicine and Biochemistry [Laboratory]
2	FACS analysis	Dr. Megumi Tatematsu	
3	Isoation of Immune cells from lung	Prof. Takashi Ebihara	
4	FACS analysis	Dr. Megumi Tatematsu	
5	Isoation of Immune cells from liver	Prof. Takashi Ebihara	
6	FACS analysis	Dr. Megumi Tatematsu	
7	Isoation of Immune cells from skin	Prof. Takashi Ebihara	
8	FACS analysis	Dr. Megumi Tatematsu	
9	Isoation of Immune cells from other organ	Prof. Takashi Ebihara	
10	FACS analysis	Dr. Megumi Tatematsu	
Grading Criteria (成績評価の基準と方法)			
Grades will be given based on attendance, attitude to this course, reports, and experimental skills			
Contact Information (問い合わせ先(氏名, メールアドレス等))			
Name: Takashi Ebihara / E-mail: tebihara@med.akita-u.ac.jp			
Coment (その他特記事項)			
The dates for this course will be scheduled after taking this course to encourage attendance of adult graduate students. Textbooks and reference papers will be suggested when needed. Students are expected to prepare for this course by reading the relevant protocols.			