

Category (科目区分)	Research subject		
Course Title (授業科目名)	Microbiology and Immunology		
Instructors (担当者名)	Takashi Ebihara	Academic Year (配当年次)	2,3
Required Course / Elective Course (必修/選択)	Elective Course	Credits (単位数)	15
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)			
<p>Aims: To learn skills for scientific research listed below.</p> <ol style="list-style-type: none"> 1. Updating knowledge in the research field to find unknown interesting questions 2. Planning experiments to address the questions 3. Analyzing the data 4. Summarizing and presenting the data 5. Writing manuscripts based on the data <p>Course Outline: Our lab is focussing on innate lymphoid cells (ILCs) that contribute to various disease pathogenesis including allergy, virus infections, bacterial infections, and tumor implanted models. To find novel significance of ILCs in the disease progression, we generate genetically-modified mice, analyze ILCs in the disease models, perform omics analysis such as RNA-seq, Chip-seq, ATAC-seq, and RIP-seq. Students are expected to learn these cell biological methods. Final goal of this course is to publish new findings as manuscripts.</p>			
Contact Information (問い合わせ先(氏名, メールアドレス等))			
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Comment (その他特記事項)			
<p>The dates for this course will be scheduled after taking this course to encourage attendance of adult graduate students.</p> <p>Textbooks and reference papers will be suggested when needed.</p> <p>Students are expected to prepare for this course by reading the relevant protocols.</p>			