科目ナン	ッバリン	グ U-I	LAS14 2	0072 LE68							
授業科目 <sup>:</sup> <英訳>	名 s def Intro	Introduction to Immunology-E2 :The body's defense system body's defense system Entroduction to Immunology-E2 :The body's defense system								M, Minsoo	
群	自然科	学科目群		分野 <b>(</b> 分類)	分野 <b>(</b> 分類) 生物学(各論)				使用言	使用言語 英語	
旧群	B群	単位数	2単位	週コマ数	1コマ	招	受業刑	形態 講	義(対ī	面授業	科目)
開講年度・ 開講期	2024 ·	後期	曜時限	木3		配当学	年	主として1・2	2回生 対	象学生	全学向
[授業の概要・目的]											
system gi course, th Topics in antigens a immunolo	ves us g erefore, clude: co and antib ogically- ology, a	reater inst focuses of ells and ti podies, ce -mediated and subsec	ights into on the im- ssues of ll biology diseases	n that defends a b human disease mune system at the immune sys y of antigen pro , and disease co tures focus on s	es and er the mol tem, lyn cessing ontrol. T	hables us lecular, on hocyt and pres he first	s to d cellul e dev senta four l	levelop n lar, and v velopmen tion, path lectures p	ovel the whole-or nt, structu nogenesi provide a	rapeuti ganism ure and s of a simple	c tools. This levels. function of e introduction
[到達目 <sup>1</sup>		111.									
To unders To unders To becom	stand the stand ho ne famili	w our boo ar with va	ly respon	immune cells and to foreign and sto foreign and search topics in	ntigens a	und self-	deriv	ved threat	ts.		
<ol> <li>Element</li> <li>Introdut</li> <li>Overvition</li> <li>Cells a</li> <li>Antibo</li> <li>Inflamma</li> <li>Recognation</li> <li>B cell at</li> <li>Antigation</li> <li>Antigation</li> <li>Influence</li> </ol>	iction to its of the iction to ew of ac nd tissue dies and mation a ition of developri en prese nologica es of the ders in the nity to T examina	immunol immunol innate im laptive im es of the in lantigens and tissue self and r ment and sentation by al memory body 's he immun fumors	system a munity: munity mmune s repair non-self l antibody y T lymp y and vac defenses	by the innate im mediated immu hocytes	n defens f defense nmune sy nnity iency	e ystem					
								Introduction to I	mmunology-E2	:The body's d	efense system(2)へ続く

Introduction to Immunology-E2 :The body's defense system(2)

## [履修要件]

The course is open to all students, although a background in cell biology is highly recommended.

## [成績評価の方法・観点]

Evaluation will be based on class attendance and participation (40%), homework (20%), and Final exam (40%).

### [教科書]

Abul K. Abbas, Andrew H. Lichtman, Shiv Pillai <sup>C</sup>Cellular and Molecular immunology 10th edition (Elsevier, 2022) ISBN:9780323757485

Kenneth Murphy et al. <sup>I</sup>Janeway 's Immunology (WW Norton) ISBN:9780393884890

#### [参考書等]

## (参考書)

Jenni Punt et al. <sup>©</sup>Kuby Immunology (WH Freeman) ISBN:978-1319114701 Peter Parham <sup>©</sup>The Immune System 5th edition (WW Norton) ISBN:978-0-393-53335-4 Bruce Alberts et al. <sup>©</sup>Molecular Biology of the Cell (WW Norton) ISBN:978-0815344643 Introduced during class

# [授業外学修(予習・復習)等]

To achieve the course goals, students read the recommended textbooks before the class and review the course handouts.

[その他(オフィスアワー等)]

Please feel free to come to my office at any time