	*ノム科学と医療 enome Science and Medicine			Affiliated department, Job title,Name		, Pro Gra	Graduate School of Medicine Professor,MATSUDA FUMIHIKO Graduate School of Medicine Associate Professor,TABARA YASUHARU		
Grade alloted Professional degree students Number of crec				ts	2		burse offered 2016/Second semester		
Day/period	Thu.3	Class style	Lecture				Language	Japanese and English	
[Outline and Purpose of the Course]									
The purpose of this course is to understand what kind of impact the development of genomics will have on medical research/treatment in the 21st century. The main aim is to demonstrate what the researchers in the field of genomic science have achieved in the past, and also to recognize what they could achieve in the future as well as to show how the results could be applied to medicine. The course will be composed of small-group lectures and discussions, and the roles played in both the past and in the future by genomics in the era of preventative medicine will be discussed.									
[Course Goals]									
To understand the expansion of genomic science. To comprehend the impact that the scientific achievements will have on society. To acquire the basics of genomic science to be able to appreciate the essential achievements of research.									
[Course Schedule and Contents]									
10/13 Leading 10/20 Molecul 10/27 Leading 11/3 11/10 Identific 11/17 Genome 11/24 Identific 12/1 How do v 12/8 12/15 How do 12/22 1/5 Cohort stu 1/12 Genome 1/19 Examinat	-edge technolog ar biology and i -edge technolog ation of genetic and medical in ation of genetic ve communicate we communica dy for common cohort study, M ion	Medicine, Tabara y of genomic me ts application to y of genomic me factors associate formations, Yam factors associate e scientific knowl te scientific know diseases, Tabara atsuda F	edicine: C medicine edicine: C ed with di aguchi I ed with di ledge 1, M vledge 2,	, Te Dmit isea isea Mura	eranishi ts, Sato se: Fam se: Mul anaka F	Y T nily-bas tifactor	ed approach		
[Class requirement] Completion of Statistical Genetics I and II is strongly recommended									
		etics I and II is st	rongly re	com	nmende		ntinue to t	- 「ノム科学と医療(2)↓↓↓	

ゲノム科学と医療(2)

[Method, Point of view, and Attainment levels of Evaluation]

Expression his/her opinion during class Coursework Examination

[Textbook]

Suggested reading: Human Molecular Genetics, 3rd edition, 2010

[Reference books, etc.]

(Reference books)

Introduced during class

[Regarding studies out of class (preparation and review)]

Lectures using textbooks, powerpoint presentations, and scientific reports.

(Others (office hour, etc.))

We welcome any questions both during and after class.

*Please visit KULASIS to find out about office hours.