

Course number	Name of the Course			Japanese Name	
HE40161	Topics in Vascular Biology			血管生物学のトピックス	
Class	Unit	Module	Week	Time	Room
3, 4 year	1 unit	Autumn AB	intensive	intensive	4B 119
Instructors (Office・Tel・email・Office hour)					
Hiromi Yanagisawa, M.D., Ph.D. TARA Center B2 (TEL) 029-853-7318 hkyanagisawa@tara.tsukuba.ac.jp Office hours: 9:00 am -6:00 pm, accepts emails any time and communication can be made both in English and Japanese					
Objectives					
To provide basic knowledge and understanding of vascular biology, ranging from normal vascular development and physiology to molecular mechanisms in vascular diseases, as well as novel diagnostic and therapeutic approaches. The course aims to solicit active participation of students in lectures and journal clubs.					
Language: <input checked="" type="checkbox"/> / <input type="checkbox"/> Japanese、 <input checked="" type="checkbox"/> English、 <input type="checkbox"/> Bilingual (primarily use English)					
	Date	Name of instructor	Lecture outline		
1	10/11 Wed 1st	Hiromi Yanagisawa	Introduction to vascular biology		
2	10/27 Fri 4th	Hiromi Yanagisawa	Discovery of vasoactive substances (1)		
3	10/31 Tue 1st	Hiromi Yanagisawa	Discovery of vasoactive substances (2)		
4	11/7 Tue 1st	Hiromi Yanagisawa	Journal Club		
5	11/21 Tue 1st	Yoshito Yamashiro	Extracellular matrix and vessel integrity		
6	11/22 Wed 1st	Aiko Sada	Stem cell biology		
7	11/24 Rri 4th	Hiromi Yanagisawa	Angiogenesis (1)		
8	12/4 Mon 1st	Hiromi Yanagisawa	Angiogenesis (2)		
9	12/6 Wed 1st	Hiromi Yanagisawa	Brain Blood Barrier		
10	12/12 Tue 1st	Hiromi Yanagisawa	Brain Blood Barrier		
Levels for credit needed	Moderate to high				
Text and materials	Will be distributed prior to the class				
Grade evaluation	“A” (Many good comments), “B” (One or more good comments, sufficient to indicate that the paper has been read), “C” (No comments or no comments that reflect an understanding of the assignment), “F” (unexcused absence)				
Remarks :					