

Cell biology - Lecture curriculum 2nd semester								
WEEK	DATE	NR.	TOPIC	LECTURER	SEMINAR			
					TOPIC	TEACHER I.	TEACHER II.	
1	10, Febr (Tuesday - MED)	1	Introduction. Origin of life. Basic functions and constituents of cells.	VGY	Intro	NE	FZS	
	12, Febr (Thursday - DENT)							
2	11, Febr (Wednesday - MED)	2	Cell membrane, intracellular compartmentalization	KT	1-2	VGY	KT	
	13, Febr (Friday - DENT)							
	17, Febr (Tuesday - MED)							
	19, Febr (Thursday - DENT)							
3	18, Febr (Wednesday - MED)	3	Passive transport processes	HP	3-4	HP	VaGY	
	20, Febr (Friday - DENT)							
	24, Febr (Tuesday - MED)							
	26, Febr (Thursday - DENT)							
4	25, Febr (Wednesday - MED)	4	Active transport processes	GK	5-6	PGY	VZ	
	27, Febr (Friday - DENT)							
	3, March (Tuesday - MED)							
	5, March (Thursday - DENT)							
5	4, March (Wednesday - MED)	5	Cytoskeleton I. (microtubules)	ML	7-8	ML	KGK	
	6, March (Friday - DENT)							
	10, March (Tuesday - MED)							
	12, March (Thursday - DENT)							
6	11, March (Wednesday - MED)	6	Cytoskeleton II. (intermediary and microfilaments)	ML	9-10	SZJ	NP	
	13, March (Friday - DENT)							
	17, March (Tuesday - MED)							
	19, March (Thursday - DENT)							
7	18, March (Wednesday - MED)	7	Cell-cell and cell-matrix contacts	KT	11-12	VaGY	GK	
	20, March (Friday - DENT)							
	11, March (Wednesday - MED)							
	13, March (Friday - DENT)							
8	17, March (Tuesday - MED)	8	Nucleus, chromatin	VaGY	13-14	NP	ML	
	19, March (Thursday - DENT)							
	18, March (Wednesday - MED)							
	20, March (Friday - DENT)							
week7, 1st SCT 23 March, Monday (1-10 lecture)								
7	24, March (Tuesday - MED, DENT)	13	Vesicular transport I.	NP	15-16	BZS	SZG	
	25, March (Wednesday - MED, DENT)							
8	31, March (Tuesday - MED, DENT)	15	Cell division (mitosis, meiosis). Mechanics of cell division.	BZS	17-18	VGY	DBA	
	1, April (Wednesday - MED, DENT)							
9	7, April (Tuesday - MED, DENT)	16	Cell cycle and its regulation	SZG	19-20	SzőÁ	VGY	
	8, April (Wednesday - MED, DENT)							
10	7, April (Tuesday - MED, DENT)	17	Cell signaling I. General concepts. Nuclear receptors. G-protein coupled receptors	VGY	21-22	DBA	PGY	
	8, April (Wednesday - MED, DENT)							
11	14, April (Tuesday - MED, DENT)	18	Cell signaling II. Receptor tyrosine kinases. The Ras/MAPK, PI3K/Akt and PLC/CaMK pathways	VGY	23-24	BZS	VGY	
	15, April (Wednesday - MED, DENT)							
12	21, April (Tuesday - MED, DENT)	19	Cell signaling III. Proteolytic Signals. Pathways to the nucleus	VGY	25-26	SzőÁ	ZF	
	22, April (Wednesday - MED, DENT)							
13	28, April (Tuesday - MED, DENT)	20	Cell-cell communication in the nervous and the immune system	SzőÁ	27	ML	ZF	
	29, April (Wednesday - MED, DENT)							
14	5, May (Tuesday - MED, DENT)	21	Cell fates: Differentiation	DBA	28	ZF	ZF	
	6, May (Wednesday - MED, DENT)							
14	21, April (Tuesday - MED, DENT)	22	Cell fates: Oncogenes, tumor cells	SzőÁ	25-26	SzőÁ	ZF	
	22, April (Wednesday - MED, DENT)							
14	28, April (Tuesday - MED, DENT)	23	Cell fates: Cell senescence, apoptosis	BZS	27	ML	ZF	
	29, April (Wednesday - MED, DENT)							
14	5, May (Tuesday - MED, DENT)	25	From genes to cell function: overview of the main regulatory mechanisms	ZF	25-26	SzőÁ	ZF	
	6, May (Wednesday - MED, DENT)							
week 14, 2nd SCT 11 May, Monday (11-24 lecture)								
14	12, May (Tuesday - MED, DENT)	27	Cell motility	ML	25-26	SzőÁ	ZF	
	13, May (Wednesday - MED, DENT)							
14	12, May (Tuesday - MED, DENT)	28	Consultation	ZF	25-26	SzőÁ	ZF	
	13, May (Wednesday - MED, DENT)							