

**Pharmaceutical Biochemistry 2. 2021/22 autumn semester**

**Lecture: Monday double, Wednesday**

<b>week</b>	<b>date</b>	<b>topic</b>	<b>lecturer</b>	
1.	09.06. 09.10	Absorbtion and biosynthesis of amino acids 1-2 Degradation of amino acids	Farkas Viktória Farkas Viktória	
2.	09.13. 09.17	Urea cycle, ammonia toxicity Clinical aspects of AA metabolism Purine biosynthesis	Sipos Katalin Pap Ramóna Farkas Viktória	
3.	09.20. 09.24	Pyrimidine biosynthesis Degradation of nucleotides-Gout 1-2	Farkas Viktória Farkas Viktória	
4.	09.27. 10.01	Biochemistry of iron metabolism 1-2 Biochemistry of vitamins	Pandur Edina Jánosa Gergely	
5.	10.04. 10.08	Cyt P450 system, biotransformation 1-2 Regulation: glycolysis, gluconeogenesis	Pandur Edina Farkas Viktória	
6.	10.11 10.15.	Regulation: fatty acid metab., complex lipids Regulation: citric acid cycle, ATP synthesis Regulation: AA and nucleotide metabolism	Labor Medicina Labor Medicina Labor Medicina	
7.	10.18. 10.22	Regulation: glycogen metabolism, PPP Regulation: cholesterol metabolism. Metabolism of alcohol	Farkas Viktória Farkas Viktória Pap Ramóna	
8.	10.25. 10.29	Digestion and absorption of macronutrients I-II Neurotransmitters	Pap Ramóna Pap Ramóna	
9.	11.01. 11.05	Hormones I	Labor Medicina	
10.	11.08. 11.12	Hormones II Diabetes melitus I-II	Labor Medicina Labor Medicina	
11.	11.15. 11.19	Role of liver in metabolism I-II Muscle, brain, kidney, sport, pregnancy	Farkas Viktória Jánosa Gergely	
12.	11.22. 11.26	Drugs as enzyme inhibitors 1-2 Well fed-fasting state (organs and pathways)	Pandur Edina Farkas Viktória	
13.	11.29. 12.03	Genetic diseases Drug development I+II	Pap Ramóna Jánosa Gergely	
14.	12.06. 12.10	Metabolism of carbohydrates Metabolism of lipids Consultation	Jánosa Gergely Jánosa Gergely Farkas Viktória	

<b>num ber</b>	<b>week</b>	<b>Seminar, practice even weeks, P1, Thursday</b>		
1	<b>1-2</b>	Activity of Lactate Dehydrogenase	Pap Ramóna	practice
2	<b>3-4</b>	Blood glucose measurement	Pap Ramóna	practice
3	<b>5-6</b>	Enzyme kinetics -ALP	Pap Ramóna	practice
4	<b>7-8</b>	Biochemical test methods	Jánosa Gergely	seminar
5	<b>9-10</b>	Photosynthesis	Pandur Edina	seminar
6	<b>11-12</b>	Clinical laboratory methods	Labor Medicina	seminar
7	<b>13-14</b>	Consultation	Farkas Viktória	seminar