

SYSTEMS BIOLOGY, master program

Tvirtinu/Approved.....
 VU MF Dekanas /Dean prof. A. Utkus

ACADEMIC CALANDER for Autumn, 2022

3 semester

Month	Day	Week day	Lecture starts	Lecture ends	Subject	Tutor	Room	Building/ Platform	Comments
September	1	IV							
	2	V	14	17	1. Object of Systems biology	A. Jakaitienė, K. Šablauskas		MSTeams	Lecture
	5	I	15	19	Mathematical physiology	Prof. A. Alaburda		MSTeams	Lecture
	6	II	15	19	Neurobiology	Prof. O. Rukšėnas	R301	LSC	Lecture
	7	III	15	19	Neurobiology	Prof. O. Rukšėnas		MSTeams	Lecture
	8	IV	15	19	Mathematical physiology	Prof. A. Alaburda	312	MF1	Practice
	9	V	15	19	2. Phylogenetic analysis of genomes and metagenomes	dr. G. Alzbutas		MSTeams	Lecture/Practice
	12	I	15	19	Mathematical physiology	Prof. A. Alaburda		MSTeams	Lecture
	13	II	15	19	Neurobiology	Prof. O. Rukšėnas		MSTeams	
	14	III	15	19	Neurobiology	Prof. O. Rukšėnas		MSTeams	Lecture
	15	IV	15	19	Mathematical physiology	Prof. A. Alaburda	312	MF1	Practice
	16	V	15	19	2. Phylogenetic analysis of genomes and metagenomes	dr. G. Alzbutas		MSTeams	Practice
	19	I	15	19	Mathematical physiology	Prof. A. Alaburda		MSTeams	Lecture
	20	II	15	19	Neurobiology	Prof. O. Rukšėnas		MSTeams	Lecture
	21	III	15	19	Neurobiology	Prof. O. Rukšėnas		MSTeams	Lecture
	22	IV	15	19	Mathematical physiology	Prof. A. Alaburda	312	MF1	Practice
	23	V	12	16	3. CHIP-seq analysis; DNA-protein interactions and Sequence Motifs	dr. E. Pranckevičienė		MSTeams	Lecture
	26	I	15	19	Mathematical physiology	Prof. A. Alaburda		MSTeams	Lecture
27	II	15	19	Neurobiology	Prof. O. Rukšėnas		MSTeams	Lecture	
28	III	15	19	Neurobiology	Prof. O. Rukšėnas		MSTeams	Lecture	

	29	IV	15	19	Mathematical physiology	Prof. A. Alaburda	312	MF1	Practice
	30	V	12	16	3. CHIP-seq analysis; DNA-protein interactions and Sequence Motifs	dr. E.Pranckevičienė		MSTeams	Practice
October	3	I	15	19	Mathematical physiology	Prof. A. Alaburda		MSTeams	Lecture
	4	II	12	15	4. Gene Regulatory Networks	dr. E.Pranckevičienė		MSTeams	Lecture
		II	15	19	Neurobiology	Prof. O. Rukšėnas		MSTeams	Lecture
	5	III	15	19	Neurobiology	Prof. O. Rukšėnas		MSTeams	Lecture
	6	IV	15	19	Mathematical physiology	Prof. A. Alaburda	312	MF1	Practice
	7	V	15	19	Proteomics	Prof. M. Valius	TBA	LSC	Lecture
	10	I	15	19	Mathematical physiology	Prof. A. Alaburda		MSTeams	Lecture
	11	II	12	15	4. Gene Regulatory Networks	dr. E.Pranckevičienė		MSTeams	Practice
		II	15	19	Neurobiology	Prof. O. Rukšėnas		MSTeams	Lecture
	12	III	15	19	Neurobiology	Prof. O. Rukšėnas		MSTeams	Lecture
	13	IV	15	19	Mathematical physiology	Prof. A. Alaburda	312	MF1	Practice
	14	V	15	19	Proteomics	Prof. M. Valius	TBA	LSC	Lecture
	17	I	9	11	(QTLs)	E. Siavrienė		MSTeams	Lecture
			12	16	(QTLs)	E. Siavrienė		MF2/MSTeams	Practice
	18	II	15	19	Neurobiology	Prof. O. Rukšėnas		MSTeams	Lecture
	19	III	15	19	Neurobiology	Prof. O. Rukšėnas		MSTeams	Lecture
	20	IV	14	18	Biology	dr. L. Petkevičius		MSTeams	Practice
	21	V	15	19	Proteomics	Prof. M. Valius	TBA	LSC	Lecture, seminar
	24	I	9	13	6. Metabolomic pathways and Pathway Enrichment	dr. J. Songailienė	TBA	MF2/MSTeams	Lecture, seminar
			15	19	Mathematical physiology	Prof. A. Alaburda		MSTeams	Lecture
	25	II	15	19	Neurobiology	Prof. O. Rukšėnas		MSTeams	Lecture
26	III	15	19	Neurobiology	Prof. O. Rukšėnas		MSTeams	Lecture	
27	IV	15	19	Mathematical physiology	Prof. A. Alaburda	312	MF1	Practice	
28	V	9	13	6. Metabolomic pathways and Pathway Enrichment	dr. J. Songailienė		MF2/MSTeams	Lecture, seminar	
		15	19	Proteomics	Prof. M. Valius	TBA	LSC	Lecture, seminar	

November	31	I	11	13	Science forum: Behavioral pharmacology of addiction	Prof. V. Vengeliienė	TBA	LSC	Lecture
		I	15	19	Mathematical physiology	Prof. A. Alaburda		MSTeams	Lecture
	1	II				DAY OFF			
	2	III				DAY OFF			
	3	IV	15	19	Mathematical physiology	Prof. A. Alaburda	312	MF1	Practice
	4	V	15	19	Proteomics	Prof. M. Valius	TBA	LSC	Lecture, seminar
	7	I	11	13	Science forum: Behavioral pharmacology of addiction	Prof. V. Vengeliienė	TBA	LSC	Lecture
	8	II	15	19	Neurobiology	Prof. O. Rukšėnas		MSTeams	Lecture
	9	III	15	16	Neurobiology	Prof. O. Rukšėnas		MSTeams	Lecture
	10	IV	9	13	Biology	K. Šablauskas	203	MF1	Seminar
	11	V	15	19	Proteomics	Prof. M. Valius	TBA	LSC	Lecture
	14	I	11	13	Science forum: Behavioral pharmacology of addiction	Prof. V. Vengeliienė	TBA	LSC	Seminar
	15	II	14	18	8. Markov and Hidden Markov Models of Genomic and Protein Features	prof. A. Jakaitienė	233	MF1	Lecture
	16	III	14	18	8. Markov and Hidden Markov Models of Genomic and Protein Features	doc. E. Prancėvičienė		MS Teams	Practice
	17	IV	9	13	therapeutics	K. Šablauskas	233	MF1	
	18	V	15	19	Proteomics	Prof. M. Valius	TBA	LSC	Lecture, seminar
	21	I	11	13	Science forum: Behavioral pharmacology of addiction	Prof. V. Vengeliienė	TBA	LSC	Seminar
	22	II	18	20	Science forum: Virology	B. Dadonytė		Teams	Lecture
	23	III	9	13	Neurogenetics	prof. A. Utkus	235	MF1	Lecture, seminar
	24	IV	9	13	Science Forum: Bioethics issues in system biology	prof. E. Gefenas			Lecture, seminar
	25	V	15	19	Proteomics	Prof. M. Valius	TBA	LSC	Lecture, seminar
28	I	9	13	Neurogenetics	prof. A. Utkus	233	MF1	Lecture, seminar	

					Science Forum: Bioethics issues in system				
	29	II	9	13	biology	prof. E. Gefenas			Lecture, seminar
				18	20	Science forum: Virology	B. Dadonytė	Teams	Lecture
	30	III	9	13	Neurogenetics	prof. A. Utkus	233	MF1	Lecture, seminar
	1	IV	9	13	biology	lect. V. Lukaševičienė			Lecture, seminar
	2	V	15	19	Proteomics	Prof. M. Valius	TBA	LSC	Lecture
	5	I	9	13	Neurogenetics	prof. A. Utkus	233	MF1	Lecture, seminar
					Science Forum: Bioethics issues in system				
	6	II	9	13	biology	lect. V. Lukaševičienė			Lecture, seminar
	7	III	9	13	Neurogenetics	prof. A. Utkus	312	MF1	Lecture, seminar
					Science Forum: Bioethics issues in system				
	8	IV	9	13	biology	asist. M. Poškutė			Lecture, seminar
	9	V	15	19	Proteomics	Prof. M. Valius	TBA	LSC	Lecture, seminar
	12	I	9	13	Neurogenetics	prof. A. Utkus	234	MF1	Lecture, seminar
					Science Forum: Bioethics issues in system				
	13	II	9	15	biology	asist. M. Poškutė			Lecture, seminar
	14	III	9	13	Neurogenetics	prof. A. Utkus	233	MF1	Lecture, seminar
	15								
	16	V	14	19	Proteomics	Prof. M. Valius	TBA	LSC	Lecture, seminar
	19	I	9	13	Neurogenetics	prof. A. Utkus	233	MF1	Lecture, seminar
	20	II							
	21	III	9	13	Neurogenetics	prof. A. Utkus	312	MF1	Lecture, seminar
	22	IV							
	23	V	14	19	Proteomics	Prof. M. Valius	TBA	LSC	Lecture, seminar
	26	I							
	27	II							
	28	III							
	29	IV							
	30	V							
	2	I	9	13	Neurogenetics	prof. A. Utkus	233	MF1	Lecture, seminar
					structural biology: CryoEM, X-ray				
	3	II	10	14	crystallography	prof. S. Gražulis	Teams/v	LSC	Lecture

January	4	III	9	13	Neurogenetics	prof. A. Utkus	233	MF1	Lecture, seminar
	5	IV	15	18	Science forum: Journal club	prof. A. Jakaitienė		MS Teams	
	6	V	14	19	Proteomics	Prof. M. Valius	TBA	LSC	Lecture, seminar
	9	I	9	13	Neurogenetics	prof. A. Utkus	233	MF1	Lecture, seminar
	10	II	10	14	Science forum: Reproducible computational research	prof. S. Gražulis	3 Teams/v	LSC	Seminar
	11	III	9	13	Neurogenetics	prof. A. Utkus	233	MF1	Lecture, seminar
	12	IV							
	13	V	14	19	Proteomics	Prof. M. Valius	TBA	LSC	Lecture, seminar
	16	I	9	13	Neurogenetics	prof. A. Utkus	233	MF1	Lecture, seminar
	17	II	10	14	Science forum: Reproducible computational research	prof. S. Gražulis	3 Teams/v	LSC	Seminar
	18	III	9	13	Neurogenetics	prof. A. Utkus	235	MF1	Exam
	19	IV							
	20	V							

Abbreviations

LSC	Life sciences center, Saulėtekio str. 9
MIF	Faculty of Mathematics and Informatics, Šaltinių str. 1A
MIF2	MIF Didlaukio 47
MF1	Faculty of Medicine, Čiurlionio str. 21/27
MF2	Faculty of Medicine, Santariškių str. 2
TBA	to be agreed

Courses

Neurobiology

- Neurobiology
- Neurogenetics

Proteomics

Mathematical physiology

Systems biology

1. Object of Systems bi A. Jakaitienė, K. Š:
2. Phylogenetic analysis of genomes G. Alzbutas
3. CHIP-seq analysis; DNA-protein interacti E. Pranckevičienė
4. Gene Regulatory Net E. Pranckevičienė
5. Discovering Quantitative Tr: E. Siavrienė
6. Metabolomic pathways and Pat dr. J. Songailienė
7. Source of data in experimental structural biolog S. Gražulis
8. Markov and Hidden Markov Models of Ger E. Pranckevičienė
9. Deep Learning in Computat Linas Petkevičius,
10. Synthetic Biology and Novė V. Mikštienė, K. Š:

Science forum

Science Forum: Bioethics issues | prof. E. Gefenas

Science forum: Behavioral pharmac Prof. V. Vengeliën

Science forum: Virology B. Dadonytė

Science forum: Reproducible comp S. Gražulis

Science forum: Journal A. Jakaitienė