PROGRAMME
Part II: 16 – 20 October 2023

Arrival – Monday, October 16 or Sunday, October 15

Day 1 (Monday, October 16)

13:00 – 13:30	*Arrival + Registrations*
13:30 – 15:00	*Lunch*
15:00 – 15:30	**Welcome & round of introduction** (school rules and principles, outline of schedule)
15:30 – 16:00	**Sponsored lecture by East Diagnostics**
16:00 – 17:30	**Educational session (in parallel)**
	Nikolina Pleić: Introduction to statistics
	Rosa Karlić: Elements of machine learning (online, will be recorded)
17:30 – 18:00	*Coffee break*
18:00 – 19:30	**Practical session**
	Marko Kvakić: SRCE Advanced Computing Service and bioinformatics
	Željka Sanader Maršić: Introduction to command-line interface
19:30 – 20:00	**Flash talks from participants (part I)**
20:00 – 21:00	*Dinner*

Day 2 (Tuesday, October 17)

8:30 – 9:30	*Breakfast*
9:30 – 10:30	**Educational session (online)**
	Rosa Karlić: Introduction to next generation sequencing (NGS) & how to design your experiment
10:30 – 11:00	*Coffee break*
11:00 – 12:30	**Practical session**
	Nikolina Pleić: Introduction to R and descriptive statistics (workshop in R)
	(in parallel – R hackathon for more experienced R users will be organized)
12:30 – 13:00	**Flash talks from participants (part II)**
13:00 – 14:00	*Lunch*
14:00 – 16:00	**Educational session & introduction to group projects**
	Nikolina Pleić & Doris Brkić: GWAS
	Biljana Stanković & Nikola Kotur: Pharmacogenomics
	Paula Štancl & Filip Horvat: Transcriptomics
	Elena Carnero Montoro: Epigenomics
	Blanka Roje & Dora Knezović: Microbiome
16:00– 18:00	*Coffee break & Free time (meet the speakers, discussion about group projects)*

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18:00 – 19:00	**Research case study lectures (online)**	
	Erika Salvi: Gene burden analysis	
	Rosa Karlić: Cell-of-origin and chromatin organization	
19:00 – 20:00	**Practical session**	
	Andrea Gelemanović: Improving data visualization skills – workshop in R & Cytoscape	
20:00 – 21:00	*Dinner*	

Day 3 (Wednesday, October 18)

8:30 – 9:30	*Breakfast*
9:30 – 13:00	**Project work**
13:00 – 14:00	*Lunch*
14:00	*Half day off*
	(possible ideas: Split city centre, boat trip to island Brač, trip to nearby cities e.g. Omiš or Trogir)

Day 4 (Thursday, October 19)

8:30 – 9:30	*Breakfast*
9:30 – 13:00	**Project work**
13:00 – 14:00	*Lunch*
14:00 – 16:00	*Free time (meet the speakers, discussion about participants own data & analysis issues)*
16:00 – 20:00	**Project work**
20:00 – 21:00	*Dinner*

Day 5 (Friday, October 20)

8:30 – 9:30	*Breakfast*
9:30 – 13:00	**Project work**
13:00 – 14:00	*Lunch*
14:00 – 18:00	**Project work**
18:00 – 19:00	*Free time*
19:00 – 21:00	**Group presentations (with pizzas) & closing words**

Day 6 (Saturday, October 21)

8:30 – 9:30	*Breakfast*

Departure – Saturday, October 21