

## Week 1

			9:00-9:45	10:00-10:45	11-11:45	13:00 - 13:45	14:00 - 14:45
	Mon	Sep-23	Introduction	Genetics and genomics	Genetics and genomics	What is sustainability?	What is sustainability?
			Assoc. Prof. Parisa Norouzitallab	Dr. Stephanie De Vos	Dr. Stephanie De Vos	Parisa Norouzitallab	Parisa Norouzitallab
	Tue	Sep-24	Genome structure	Genome structure	Genome structure	Epigenetics introduction	Epigenetics introduction
			Prof. Göran Andersson	Prof. Göran Andersson	Prof. Göran Andersson	Assoc. Prof. Carlos Guerrero Bosagna	Assoc. Prof. Carlos Guerrero Bosagna
	Wed	Sep-25	Imprinting	Imprinting	Imprinting	Imprinting and embryonic development	
			Prof. Göran Andersson	Prof. Göran Andersson	Prof. Göran Andersson	Assoc. Prof. Parisa Norouzitallab	
			Spermatogenesis	Spermatogenesis	Nutritional programming	Nutritional programming	metabolism
	Thur	Sep-26	Prof. Anita Öst	Prof. Anita Öst	Prof. Anita Öst	Prof. Anita Öst	Prof. Anita Öst
	Fri	Sep-27	Embryogenesis	Transgenerational	Transposable elements and their role		
			Assoc. Prof. Carlos Guerrero Bosagna	Assoc. Prof. Carlos Guerrero Bosagna	Assoc. Prof. Carlos Guerrero Bosagna		
	Sat	Sep-28					
	Sun	Sep-29					

## Week 2

	Mon	Sep-30	Epigenetic of domestication	Epigenetic of domestication	Epigenetic of domestication	Epigenetic of domestication	
			Assoc. Prof. Carlos Guerrero Bosagna	Assoc. Prof. Carlos Guerrero Bosagna	Assoc. Prof. Carlos Guerrero Bosagna	Assoc. Prof. Carlos Guerrero Bosagna	
	Tue	Oct-01	Practicals	Practicals	Practicals	Practicals	Practicals
			Practicals	Practicals	Practicals	Practicals	Practicals

			Practicals	Practicals	Practicals	Practicals	Practicals
	Wed	Oct-02	Practicals	Practicals	Practicals	Practicals	Practicals
			Practicals	Practicals	Practicals	Practicals	Practicals
			Practicals	Practicals	Practicals	Practicals	Practicals
	Thur	Oct-03	Practicals	Practicals	Practicals	Practicals	Practicals
			Practicals	Practicals	Practicals	Practicals	Practicals
			Practicals	Practicals	Practicals	Practicals	Practicals
	Fri	Oct-04	Epigenetics and fertility	Epigenetics and fertility			
			Assoc. Prof. Parisa Norouzitallab	Assoc. Prof. Parisa Norouzitallab			
	Sat	Oct-05					
	Sun	Oct-06					

### Week 3

	Mon	Oct-07	Trained immunity	Trained immunity	Trained immunity	Trained immunity	Trained immunity
			Assoc. Prof. Parisa Norouzitallab	Assoc. Prof. Parisa Norouzitallab	Assoc. Prof. Parisa Norouzitallab	Assoc. Prof. Parisa Norouzitallab	Assoc. Prof. Parisa Norouzitallab
	Tue	Oct-08	Trained immunity	Trained immunity	Trained immunity	Trained immunity	Trained immunity
			Assoc. Prof. Parisa Norouzitallab	Assoc. Prof. Parisa Norouzitallab	Assoc. Prof. Parisa Norouzitallab	Assoc. Prof. Parisa Norouzitallab	Assoc. Prof. Parisa Norouzitallab
	Wed	Oct-09	Epigenetics and stress	Epigenetics and stress	Epigenetics and stress	Tools to measure histone modifications	Epigenetic of model organism
			Assoc. Prof. Parisa Norouzitallab	Assoc. Prof. Parisa Norouzitallab	Assoc. Prof. Parisa Norouzitallab	Assoc. Prof. Parisa Norouzitallab	Assoc. Prof. Parisa Norouzitallab
	Thur	Oct-10					
	Fri	Oct-11	How to study DNA methylation	Epigenetic editing	Organoids and their epigenetics: Fancy models	Epigenome and advanced research in the clinic	
			Dr. Majid Pahlevan Khaki	Dr. Majid Pahlevan Khaki	Majid Pahlevan Khaki	Dr. Majid Pahlevan Khaki	Dr. Majid Pahlevan Khaki
	Sat	Oct-12					
	Sun	Oct-13					

Week 4							
	Mon	Oct-14	Self study and preparation for the project	Self study and preparation for the project	Self study and preparation for the project	Self study and preparation for the project	Self study and preparation for the project
			Self study and preparation for the project	Self study and preparation for the project	Self study and preparation for the project	Self study and preparation for the project	Self study and preparation for the project
	Tue	Oct-15	Self study and preparation for the project	Self study and preparation for the project	Self study and preparation for the project	Self study and preparation for the project	Self study and preparation for the project
			Self study and preparation for the project	Self study and preparation for the project	Self study and preparation for the project	Self study and preparation for the project	Self study and preparation for the project
	Wed	Oct-16	Self study and preparation for the project	Self study and preparation for the project	Self study and preparation for the project	Self study and preparation for the project	Self study and preparation for the project
			Self study and preparation for the project	Self study and preparation for the project	Self study and preparation for the project	Self study and preparation for the project	Self study and preparation for the project
	Thur	Oct-17	Domestication	Epigenetic clock	Z-chromosome comensation	Epigenetic and animal production	
			Prof. Francesc Piferrer	Prof. Francesc Piferrer	Prof. Francesc Piferrer	Prof. Francesc Piferrer	
	Fri	Oct-18	Self study and preparation for the project	Self study and preparation for the project	Self study and preparation for the project	Self study and preparation for the project	Self study and preparation for the project
			Self study and preparation for the project	Self study and preparation for the project	Self study and preparation for the project	Self study and preparation for the project	Self study and preparation for the project
	Sat	Oct-19					
	Sun	Oct-20					
Week 5							
	Mon	Oct-21	Self study and preparation for the project	Self study and preparation for the project	Self study and preparation for the project	Self study and preparation for the project	Self study and preparation for the project
			Self study and preparation for the project	Self study and preparation for the project	Self study and preparation for the project	Self study and preparation for the project	Self study and preparation for the project
			Self study and preparation for the project	Self study and preparation for the project	Self study and preparation for the project	Self study and preparation for the project	Self study and preparation for the project



	Sun	Oct-27					
<b>Week 6 and 7 will be planned for bioinformatics analysis</b>							
<b>Week 8 report submission</b>							
<b>In week 9 we will have the presentations and course assessment</b>							