

BIOINFORMATICS IN HEALTH SCIENCES

12th Edition | November 9-27, 2020

Day	Start	End	Theme	Faculty	Obs.
09/11/2020	09:30	10:30	Course welcoming session	Nuno S. Osório (U.Minho) / Bruno Costa (U.Minho)	Remote session
	10:30	13:00	What is Bioinformatics?	Gilberto Igrejas (UTAD)	Remote session
	14:30	18:00	What are biological sequences? Where can I find them? What can I learn from them?		
10/11/2020	09:30	13:00	Public online sequence databases and genome browsing	Gilberto Igrejas / Nuno S. Osório / Bruno Costa	Remote session
	14:30	17:30	Biological Sequence Alignments		
	17:30	18:00	Theme wrap-up discussion		
11/11/2020	09:30	10:30	The next frontiers in “Omics”: single-cell analysis	Ana Falcão (U.Minho)	Remote session
	10:30	11:30	Advances in next generation sequencing (NGS) technologies	Helder Barbosa (MGI)	
	11:30	13:00	Research applications of Genomics	Agostinho Antunes (U.Porto)	
12/11/2020	9:30	11:00	Introduction to Proteomics	Bruno Almeida (U.Minho)	Room A2.06
	11:30	13:00	Application of Proteomics to biological questions		
	14:30	15:30	Proteomics in Health and Disease	Bruno Manadas (U.Coimbra)	Remote session
	15:30	17:30	(Free user friendly) Statistical tools towards a comprehensive omics data analysis	Vera Mendes / João Rodrigues (U.Coimbra)	
13/11/2020	09:30	13:00	Practical integrative exercises: “Space Race!”	Nuno S. Osório / Bruno Costa	Remote session
	14:30	17:30	Examples of Bioinformatics Approaches from the ICVS - short talks	Nuno S. Osório / Bruno Costa	Remote session
16/11/2020	09:30	13:00	Introduction to Linux command line	Sandro Queirós (U.Minho) / João Fonseca (U.Minho) / Nuno S. Osório / Bruno Costa	Room A2.06
17/11/2020	09:30	13:00	Biomedical data analyses with Linux command line (hands-on exercises)	Sandro Queirós (U.Minho) / João Fonseca (U.Minho) / Nuno S. Osório / Bruno Costa	
	14:30	18:00			
20/11/2020	14:30	18:00	Webserver project presentations	Nuno S. Osório / Bruno Costa	Remote session
27/11/2020	9:30	11:00	Exam	Nuno S. Osório / Bruno Costa	Room A2.06