



University of Minho  
School of Medicine

## FUNDAMENTALS IN IMMUNOLOGY AND INFECTION

October 30 - November 17, 2023 ::: 15<sup>th</sup> Edition

Day	Start	End	Theme
30-10-2023	09:00	09:30	Course presentation
	09:30	11:00	Introduction to the immune system
	11:00	12:30	Pathogen Recognition
	14:00	15:30	Cellular mediators of the innate response and anti-microbial mechanisms
31-10-2023	09:00	10:30	Methods and Models in Immunology and Infection
	11:00	12:30	Humoral mediators of the innate response
	14:00	15:30	Genetic determinants of susceptibility to infection
	16:00	17:30	Cell death and autophagy in infection and disease
02-11-2023	09:00	10:30	Journal club
	11:00	12:30	Journal club
	14:00	15:30	Journal club
	16:00	17:30	Journal club
03-11-2023	09:00	12:00	Practical session I: Basic techniques in microbiology and immunology
	14:00	17:00	Practical session II: Kinetics of the inflammatory response
07-11-2023	09:00	10:30	T and B cell ontogeny
	11:00	12:30	The bridge between innate and acquired immunity
	14:00	15:30	Effector T cell and B cell differentiation and response
	16:00	17:30	Immunomodulation
08-11-2023	09:00	10:30	Immunometabolism
	11:00	12:30	The use of eukaryotic unicellular organisms as models
	14:00	15:30	Translation in immunology and infectious diseases
09-11-2023	09:00	10:30	Journal club
	11:00	12:30	Journal club
	14:00	15:30	Journal club
	16:00	17:30	Journal club
10-11-2023	09:00	12:00	Practical session III: Cell Analysis by flow cytometry
	14:00	17:00	Practical session IV: Ex-vivo models in immunology
13-11-2023	14:00	16:00	Written examination
17-11-2023	09:00	10:30	Essay presentation
	11:00	12:30	Essay presentation