

# Week 1

FUNDAMENTALS IN IMMUNOLOGY AND INFECTION (14<sup>th</sup> edition)

September 12-30, 2022

Monday (12/09)

Tuesday (13/09)

Wednesday (14/09)

Thursday (15/09)

Friday (16/09)

<i>Innate immunity I</i>	<i>Innate Immunity III</i>	<i>Journal club preparation</i>	<i>Journal club presentation</i>	<i>Laboratory insights</i>
09:00 – 09:30 <b>Course presentation</b> <i>Egídio Torrado &amp; Agostinho Carvalho</i>	09:00 – 10:30 <b>Humoral mediators of the innate response</b> <i>Agostinho Carvalho</i>		9:00 – 10:30 <b>Journal Club</b> <i>Agostinho Carvalho &amp; Ricardo Silvestre</i>	9:00 – 12:00 <b>Practical session I: Basic techniques in microbiology and immunology</b> <i>Belém Marques &amp; Isabel Veiga</i>
09:30-11:00 <b>Introduction to the immune system</b> <i>Egídio Torrado</i>				
11:00 – 12:30 <b>Pathogen recognition</b> <i>Ricardo Silvestre</i>	11:00 – 12:30 <b>Genetic determinants of susceptibility to infection</b> <i>Agostinho Carvalho</i>		11:00 – 12:30 <b>Journal Club</b> <i>Agostinho Carvalho &amp; Ricardo Silvestre</i>	
<b>Lunch</b>				
<i>Innate immunity II</i>	<i>Innate immunity IV</i>	<i>Journal club preparation</i>	<i>Journal club presentation</i>	<i>Laboratory insights</i>
14:00 – 15:30 <b>Cellular mediators of the innate response and anti-microbial mechanisms</b> <i>Jorge Pedrosa</i>	14:00 – 15:30 <b>Methods and models in immunology and infection</b> <i>Egídio Torrado</i>		14:00 – 15:30 <b>Journal Club</b> <i>Agostinho Carvalho &amp; Ricardo Silvestre</i>	14:00 – 17:00 <b>Practical session II: Kinetics of the inflammatory response</b> <i>Alexandra Fraga</i>
15:30-16:00 <b>Coffee break</b>				
16:00 – 17:30 <b>Cell death and autophagy in infection and disease</b> <i>Belém Marques</i>				

# Week 2

FUNDAMENTALS IN IMMUNOLOGY AND INFECTION (14<sup>th</sup> edition)  
September 12-30, 2022

Monday (19/09)

Tuesday (20/09)

Wednesday (21/09)

Thursday (22/09)

Friday (23/09)

<i>Acquired immunity I</i>	<i>Acquired immunity III</i>	<i>Journal club preparation</i>	<i>Journal club presentation</i>	<i>Laboratory insights</i>
09:00 – 10:30 <b>T and B cell ontogeny</b> <i>Egídio Torrado</i>	09:00 – 10:30 <b>Immunometabolism</b> <i>Ricardo Silvestre</i>		9:00 – 10:30 <b>Journal Club</b> <i>Egídio Torrado &amp; Alexandra Fraga</i>	9:00 – 12:00 <b>Practical session III: Cell analysis by flow cytometry</b> <i>Cláudia Nóbrega</i>
10:30-11:00 <b>Coffee break</b>	10:30-11:00 <b>Coffee break</b>		10:30-11:00 <b>Coffee break</b>	
11:00 – 12:30 <b>The bridge between innate and acquired immunity</b> <i>Egídio Torrado</i>	11:00-12:30 <b>The use of eukaryotic unicellular organisms as models</b> <i>Belém Marques</i>		11:00 – 12:30 <b>Journal Club</b> <i>Egídio Torrado &amp; Alexandra Fraga</i>	
<b>Lunch</b>				
<i>Acquired immunity II</i>	<i>Acquired immunity IV</i>	<i>Journal club preparation</i>	<i>Journal club presentation</i>	<i>Laboratory insights</i>
14:00-15:30 <b>Effector T cell and B cell differentiation and response</b> <i>Gil Castro</i>	14:00 – 15:30 <b>Translation in immunology and infectious diseases</b> <i>Pedro Ferreira</i>		14:00 – 15:30 <b>Journal Club</b> <i>Egídio Torrado &amp; Alexandra Fraga</i>	14:00 – 17:00 <b>Practical session IV: Ex-vivo models in immunology</b> <i>Cristina Cunha</i>
15:30-16:00 <b>Coffee break</b>				
16:00 – 17:30 <b>Immunomodulation</b> <i>Gil Castro</i>				

# Week 3

Monday (26/09)

Tuesday (27/09)

Wednesday (28/09)

Thursday (29/09)

Friday (30/09)

Laboratory insights	Essay preparation	Essay preparation	Essay preparation	Essay presentation
				9:00 – 10:30 <b>Essay presentation</b> Egídio Torrado & Agostinho Carvalho
				10:30-11:00 <b>Coffee break</b>
				11:00 – 12:30 <b>Essay presentation</b> Egídio Torrado & Agostinho Carvalho
<b>Lunch</b>				
Laboratory insights	Essay preparation	Essay preparation	Essay preparation	Essay presentation
14:00 – 16:00 <b>Written examination</b> Egídio Torrado				14:00 – 15:30 <b>Essay presentation</b> Egídio Torrado & Agostinho Carvalho