

5 credits	65.0 h	Q1
-----------	--------	----

Teacher(s)	Coulie Pierre (compensates Renauld Jean-Christophe) ;Coulie Pierre coordinator ;Lucas Sophie (compensates Renauld Jean-Christophe) ;Renauld Jean-Christophe ;Van den Eynde Benoît ;
Language :	French
Place of the course	Bruxelles Woluwe
Prerequisites	cellular biology, bacteriology, virology, molecular biology, genetics. <i>The prerequisite(s) for this Teaching Unit (Unité d'enseignement – UE) for the programmes/courses that offer this Teaching Unit are specified at the end of this sheet.</i>
Main themes	Main discoveries that lead to the identification of antibodies, HLA molecules, B and T lymphocytes, and of the main interactions between immune cells, involving or not soluble agents. Description of the main components of innate immunity. Integrated view of all these components at work in infectious diseases, vaccination, autoimmune diseases, cancer, transplantation and hypersensitivity reactions.
Aims	<p>1 Understand how our immune system deals with microbes through adaptive and innate immunity. Understand the mechanisms that lead to the two main characteristics of adaptive immunity: specificity and memory. Understand the bases of vaccination, graft rejection responses, autoimmune diseases and hypersensitivity reactions such as allergy.</p> <p>-----</p> <p><i>The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".</i></p>
Evaluation methods	written examination with exercices, short answers or essays. No multiple choice.
Teaching methods	Yearly updated syllabus (2 volumes), slides.
Content	The main concepts are introduced with an historical perspective and the explanation of the principal experimental facts that have led to a major discovery.
Bibliography	• Dias sur Moodle, 2 syllabi au CIB
Faculty or entity in charge	SBIM

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Bachelor in Biomedicine	SBIM1BA	5	WMD1120 AND WMD1006 AND WFARM1221S AND WSBIM1226 AND WSBIM1227 AND WMDS1211 AND WFARM1282	