UCL Université catholique de Louvain

WSBIM1334S

2015-2016

Immunologie générale (partim SBIM)

4.0 credits	60.0 h	1q

Teacher(s) :	
Language :	Français
Place of the course	Bruxelles Woluwe
Prerequisites :	cellular biology, bacteriology, virology, molecular biology, genetics.
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, autoimmmune diseases, cancer, transplantation and hypersensibility reactions.
Aims :	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. *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".*
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.
Faculty or entity in charge:	MEDE