

**Discipline:** Microbiology and Infection

**Objectives:** To introduce students to the importance of pathogens, both as agents of devastating infectious diseases and as excellent models to study host-pathogen interactions and many aspects of general biological phenomena.

Different bacterial pathogens will be presented to highlight several aspects of their molecular and cell biology, interaction with their hosts and host immune responses. Factors responsible for their virulence, epidemiology and control of the diseases caused by these pathogens will be addressed.

**Program:** See doc attached

**Bibliography:** Original and review papers

**Software:**

**Teaching and Learning Methods:** Seminars by international experts in the field, paper presentation and discussion, and project design and presentation.

**Evaluation:** Continuous evaluation, paper and project presentation.

**Coordination:** Didier Cabanes

**Teaching Staff:** See doc attached

**Site:** See doc attached

**Schedule:** See doc attached

# GABBA 2012

## Microbiology and Infection

	26 March 2012	27 March 2012	28 March 2012	29 March 2012	30 March 2012
9					
10	<b>Projects / Papers distribution (Audit C)</b>	<b>Francisco García-del Portillo (Main Audit)</b>	<b>Salomé Gomes (Audit C)</b>		
11		Biology of non-proliferative state of Salmonella inside cells	The fight for iron during infection	<b>Sergio Filipe (Audit C)</b>	<b>Jaime Mota (Audit C)</b>
12	<b>Jost Enninga (Main Audit)</b> Dynamics of Host-Pathogen Interactions			Bacterial Cell Surfaces and Pathogenesis	Function of type III secreted effectors of <i>Salmonella</i> and <i>Chlamydia</i>
13					
14	<b>Sandra Sousa (Audit C)</b>	<b>Magarida Correia-Neves (Audit C)</b>	<b>Rui Appelberg (Audit C)</b>	<b>Paula Ferreira (Audit C)</b>	<b>Projects presentation (Audit C)</b>
15	From pathogenesis to cell biology and back: <i>Listeria</i> as a model	The impact of thymic mycobacterial infection on T cell differentiation	Gamma interferon in protective immunity and immunopathology	Experimental <i>Streptococcus agalactiae</i> infections	
16	<b>Nuno Santos (Audit C)</b>	<b>Gil Castro (Audit C)</b>	<b>Papers presentation (Audit C)</b>	<b>Manuel Vilanova (Audit C)</b>	<b>Conclusions - Discussion (Audit C)</b>
17	Bacterial protein toxins	Understanding BCG infection/vaccination		Microbial biofilms and infection	
18					
19					

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Gil Castro	ICVS, Braga
Jaime Mota	ITQB, Lisboa
Jost Enninga	Pasteur Institute, Paris
Magarida Correia-Neves	ICVS, Braga
Manuel Vilanova	IBMC, Porto
Nuno Santos	IBMC, Porto
Paula Ferreira	IBMC, Porto
Rui Appelberg	IBMC, Porto
Salomé Gomes	IBMC, Porto
Sandra Sousa	IBMC, Porto
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