

Nom EES : University of Farhat Abbès, Setif 1 Department : Biochemistry
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MATTER SYLLABUS (to be published on the institution's website)
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Host-pathogens relationships

TEACHER OF MAGISTRIAL COURSE		MESSAOUDI Dalila			
		Student reception per week			
Email	messaoudidalila79@univ-setif.dz	Day:	Tuesday	hour	12h30
Office Tel	/	Day :	Wednesday	hour	12h30
Tel Secretariat	/	Day :	/	hour	/
Other	/	Building :	NSLF	Office	B16

TEACHER OF MAGISTRAL COURSE	MESSAOUDI Dalila
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COURSE	Student reception per week
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Email	messaoudidalila79@univ-setif.dz
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Day:

Tuesday

hour

	12h30
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Office Tel
Tel Sekretariat

/
/

Day :
Day :

Wednesday
/

hour
hour

	12h30
	/

Other

Building :

NSLF

Office

	B16
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TUTORIALS (Student reception per week)	
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Teachers' names and first names	Office/reception room	seance 1		Seance 2		Seance 3	
		Day	Hour	Day	Hour	Day	Hour

PRACTICAL WORK (Student reception per week)	
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Teachers' names and first names	Office/reception room	Seance 1		Seance 2		Seance 3	
		Day	Hour	Day	Hour	Day	Hour

1	

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COURSE DESCRIPTION	
Objective	The objective of this teaching is to help students understand the cellular and molecular interactions during immune defenses against various pathogens (viruses, bacteria, parasites, toxins, etc.). The mechanisms of viral escape from immune responses as well as the principles of vaccination will be treated on the basis of examples.
Teaching unit type	Fundamental
Succinct contents	1. The main classes of infectious agents and the effector mechanisms involved 2. Intracellular protein trafficking and subversion by pathogens 3. Cytokines, cellular communication and activation and subversion by pathogens 4. Bacterial infections/pathogenicity mechanisms 5. Bacterial escape mechanisms 6. Bacterial toxins 7. The immune response to BCG 8. Evasion and subversion of the immune system by parasites 8.1. Plasmodium infections: immunopathology and exhaust 8.2. Immunology of trypanosome infections – Immunology of Leishmania infections 9. Antiviral immunity 9.1. Mechanisms of viral escape from immune responses 9.2. HPV infection 9.3. HTLV infection 10. Vaccinations
Matter credits	6
Matter Coefficient	3
Participation weighting	/
Attendance weighting	/
Average calculation C.C	/
Targeted skills	Know how to use the information given to discuss and answer questions

EVALUATION OF CONTINUOUS KNOWLEDGE CONTROLS							
FIRST KNOWLEDGE CONTROL							
Day	Seance	Duration	Type (1)	Doc allowed (Yes, No)	Scale	Exchange after evaluation (date Consult. copy)	Evaluation criteria (2)
SECOND KNOWLEDGE CONTROL							
Day	Seance	Duration	Type (1)	Doc allowed (Yes, No)	Scale	Exchange after evaluation (date Consult. copy)	Evaluation criteria (2)

(1) Type : W= written, IP= individuel presentation, PC=Presentation in classroom, EX=experimentation, QCM

(2) Evaluation criteria:A=Analyse, S= synthesis,AR=argumentation, G= gait, R=results

USED EQUIPMENT AND MATERIALS	
Platform addresses	
Applications names(Web, local network)	
Course support	
Laboratory materials	
Protective materials	
Field exit materials	

EXPECTATIONS	
Student expectations (Participation-implication)	Attendance/participation and calm
Teacher expectations	Smooth running of the course and student understanding

BIBLIOGRAPHY	
Books and digital resources	https://www.google.dz/books/edition/Immunologie_fondamentale_et_immunopathol/U_NiDwAAQBAJ?hl=fr&gbpv=1&dq=immunit�+anti+infectieuse+free+books&printsec=frontcover
Papers	• Isnard A., Shio M.T. and Olivier M. Impact of Leishmania metalloprotease GP63 on macrophage signaling. <i>Frontiers in Cellular and Infection Microbiology</i>, 2012, 2:1-9 http://dx.doi.org/10.3389/fcimb.2012.00072 • Pleass R. J., Moore S.C., Stevenson L. and Hviid L. Immunoglobulin M:Restrainer of Inflammation and Mediator of Immune Evasion by Plasmodium falciparum Malaria. <i>Trends in Parasitology</i>, http://dx.doi.org/10.1016/j.pt.2015.09.007 • Von Stebut E.,Tenzer S. Cutaneous leishmaniasis: Distinct functions of dendritic cells and macrophages in the interaction of the host immune system with Leishmania major <i>International Journal of Medical Microbiology</i> (2017), http://dx.doi.org/10.1016/j.ijmm.2017.11.002.

	• Cerbán F.M., Stempin C.C., Volpini X., Carrera Silva E.A., Gea S., Motran C.C. Signaling pathways that regulate Trypanosoma cruzi infection and immune response. Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease, 1866 (2020): 165707. • Rooijakkers S.H.M., van Strijp J.A.G. Bacterial complement evasion. Molecular Immunology 44 (2007) 23–32
Course support	
Websites	

Department's damp stamp