SURGICAL AND MICROBIOLOGICAL SCIENCES						
Cycle	XXXII					
Duration	3 years					
Coordinator	Prof. Luigi RONCORONI – Department of Surgical Sciences E-mail: luigi.roncoroni@unipr.it					
Research Topics (the applicant MUST indicate one research topic)	 New surgical technologies and associated risks of infection. Minimally invasive surgery and advanced laparoscopy. Synthetic and biological prosthesis materials Risk factors for chronic pain after traditional versus laparoscopic surgery Stem cells in plastic surgery New devices for local treatment of pleural malignant mesothelioma and pleural infection risk Surgical treatment of aneurysms with micro-organisms colonization and infection complications in reconstructive vascular surgery Interventional radiology and advanced laparoscopic surgery Art- reat: specific computational model to improve the quality of prediction for atherosclerosis Immune-resistant infections in after-surgery intensive care and algorithms for early treatment of sepsis Diagnosis ad therapies of endocarditis: clinical and microbiological implications Study of the virus-cell relationships with regard to the cytoskeleton and to the viral genome regulation Molecular approaches for the characterization and identification of Spirochaetes that are pathogen for humans Innovative and molecula approaches for the study of malaria Plasmodia Study of cellular compartmentalization of viral proteins and functional proteomics Medical-surgical treatment of chronic otitis media. Cochlear implant: surgery and treatment of complications Study of the evolutionary mechanisms of enteric viruses: the role of genetic and antigenic diversity in the virus-host relationships and their diagnostic and vaccine implication The fast track surgery Surgycal and medical oncology and palliative care Molecular imaging in preoperative setting 					
Training objectives	This Doctorate Program aims at providing students with skills to carry out high-level research activities at public and private facilities, shall be qualifying also with regard to self-employed medical practice and shall contribute to the European High Education and Research Area. The skills acquired during the Doctorate Program and the research results are meant to enrich the scientific sectors relevant for the Program. The integrated study of advanced surgical and					
	anaesthesiological technologies, of synthetic and biological prosthesis materials that are continuously evolving and the use of stem cells have the objective of acquiring new knowledge in the field of physiology and pathogenic action of emerging and/or re-emerging					

		infection exercise Obstitutions 1			toto of the		
		infection agents. Similarly, new knowledge and use of state-of-the art technologies in the microbiological field aim at identifying the surgical procedures showing lower risk of infection.					
Academic degree required Laurea pursuant to the previous university specialistica or laurea magistrale, or a foreign acade that has been recognized as equivalent.							
	POSITIONS PUT OUT TO COMPETITION						
With Scholarship					3		
With	out Scholarship				1		
Rese Doct	erved to employees of corate" arrangement	companies having a "Industrial Engin	eering		1		
			TOTAL		5		
		KIND OF SCHOLARSHIP					
N°	Funding entity Research		Topic,	if any			
1	Scholarship University	funds					
1	Funded by Department of Surgical Sciences						
1		ndazione Madonna dell'Uliveto Onlus					
F	Positions reserved to	employees of companies having	a "Industrial	Engine	ering		
N°		Doctorate" arrangement					
1	Poliambulatorio Dalla F	Company Rosa Prati					
-		ADMISSION PROCEDURES					
Assessment of QUALIFICATIONS: up to 40 points WRITTEN EXAM: up to 40 points ORAL EXAM: up to 40 points							
Minimum score for ELIGIBILITY: 70/120							
Language the fluency of which shall be assessed during the Oral Ex ENGLISH or FRENCH.					Dral Exam:		
		ne evaluation of the knowledge of this language will be oral and will nsist in traslating of a scientific text.					
	Possibility of videoconference for candidates residing abroad NO						
LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT							
Grad	luation thesis	Abstract of the graduation thesis (mandatory qualification) Up to			6 points		
	- From 100 to 109: 1 point		Up to	3 points			
mark attain	Average of the exam marks (if the candidate will attain the degree no later than 31 October 2016)Score related to the average of the exam marks: - 30/30: 2 points; - From 27/30 to 29/30: 1 point;Up to			2 points			

Curriculum Vitae et studiorum and other qualifications	Including academic career and postgraduate experience, accompanied with a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark (mandatory qualification)	Up to 4 points		
Research Project	The research project shall consist of a maximum of 3 pages, be written in Italian or in English, focus on an original research topic and it shall be structured as follows: introduction of the problem in the scientific context, significance of the problem, expected results, argumentation. It shall amount to no commitment on the subsequent choice of the doctoral thesis	n J Up to 11 points		
Statement of Research Interest	Short text – maximum 2 pages – in Italian or in English, aimed at explaining the candidate's reasons to attend the PhD and at describing the specific research interests	Up to 10 points		
Scientific pubblications	Articles on national and international journals, papers presented at conferences or symposia, book chapters etc.	Up to 2 points		
Reference Letters	A maximum of 2 written by professors or researchers at the University of origin of the candidate or from other universities or from experts in the research areas working in public or private research facilities	Up to 2 points		
Other qualifications	Awarding of Scholarships, prizes, trainings, etc.	Up to 2 points		
S	CHEDULE OF THE ADMISSION EXAMS	<u></u>		
WRITTEN EXAM	WRITTEN EXAM DATE: 20 September 2016 TIME: 9:00am PLACE: Multimedia Classroom of the Department of Surgical Sciences Via A. Gramsci, 14 – 43126 PARMA, ITALY			
ORAL EXAM	ORAL EXAM DATE: 20 September 2016 TIME: 5:00pm PLACE: Multimedia Classroom of the Department of Surgical Sciences Via A. Gramsci, 14 – 43126 PARMA, ITALY			
Written Exam topics	The Written Exam will focus on surgery and Applied Microbiology.			
Oral Exam topics	The Oral Exam will focus on the discussion of the research project			
OTHER INFORMATIONS	THER INFORMATIONS For foreign candidates, the admission examinations may be held in English at the candidate's choice.			