



CONVOCATORIA DE PRÁCTICAS INTERNACIONALES CALL FOR INTERNATIONAL INTERNSHIP

1.INFORMACIÓN DEL SUPERVISOR Host applicant information

NOMBRE Name									
CARGO Position									
CONTACTO Conf	act: Email					Teléfond	Phone		
DEPARTAMENTO)/FACULTA	D/INSTITU	ICIÓN	Departan	nent/Facu	ılty/Institu	ıtion		
MIRO-IREC-	UCLouva	in							
TIPO DE ORGAN	IZACIÓN O	rganizatior	type	univer	sity				
ORGANISMO PUBLICO Public Body		SI Yes		NO	NO SIN DE LUCE Non-Pro			SI Yes NO)
TAMAÑO Size	small lab	(15 pers	ons)		V	VEB	https://	/uclouvain.be/	!
DISPONIBILIDAD PARA EVALUAR INFORMES DE CONVALIDACION DE CREDITOS ECTS ¿Es una prioridad para el supervisor que el estudiante valide los créditos? Availability to evaluate ECTS credit validation reports Is it a priority for the supervisor that the student validates ECTS credits?									
Yes, I am av	ailable. N	lo, it is n	ot a p	oriority.					
2. DESCRIPCIO	N DEL PRO	DYECTO	Proje	ct descr	iption				
FECHAS ORIENTATIVAS DE REALIZACION DEL PRO Wished/approximate dates for the mobility period					YECTO	01/07/2023 we are flexib		- 01/10/2023 but	
FLEXIBILIDAD DI Flexibility in dates		SI NO	yes						
TÍTULO DEL PRO		oioot titlo							
		•	Parr						
NUMERO DE HO	RAS DE TE	RABAJO P	UR SE	:MANA N	umber of	working l	hours per	week	
38h									

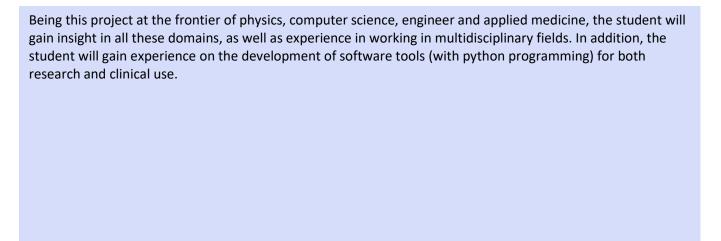




PROGRAMA Detailed programme of the traineeship

Radiation therapy is one of the main modalities to treat cancer. Because radiation needs to traverse the healthy tissue to reach the tumor, a full treatment simulation needs to be done before delivering it, in order to ensure that the tumor is well covered and the dose to the healthy organs is minimized. Creating a treatment plan is a time-consuming and manual process. Recently, the use of artificial intelligence models to automate this process has been proposed, by using convolutional neural networks that predict the treatment plan to be delivered to the patient. In our lab, we have started to develop a software (PARROT, Platform for ARtificial intelligence-guided Radiation Oncology Treatments), that includes several AI models for different cancer locations. The work of the trainee with be to help us in the creation of new models for other cancer locations and the integration on the platform. The work will include data

CONOCIMIENTOS, HABILIDADES Y COMPETENCIAS QUE HAN DE ADQUIRIR LOS ESTUDIANTES Knowledge, skills and competences to be acquired by the end of the traineeship



MONITORIZACION Monitoring plan

Meetings will be scheduled every week so that we ensure the correct progress of the project. The student will be integrated in a team of 4 members working on different parts of the PARROT project.





EVALUACIÓN Evaluation plan

final presentation at the end of the internship will also be scheduled with all the members of the team.
ESPECIFICACIONES ADICIONALES EN LA INSTITUCIÓN DE ACOGIDA Additional specifications of the host institution
None
OTRA INFORMACIÓN RELEVANTE Other relevant information
None

During the weekly meetings, the student will have to present the progress of the project in a powerpoint. A





3. PERFIL Y REQUISITOS DEL ESTUDIANTE Student profile and requeriments					
AREA/S DE ESTUDIO Research area/s					
Computer science, physics, mathematics, biomedical engineering					
NIVEL DE ESTUDIO Level of studies					
Master					
REQUISITOS PREVIOS DE CONOCIMIENTOS TECNICOS O EXPERIENCIA Student required expertise and technical knowledge:					
fluent in python programming					
IDIOMA Y NIVEL MINIMO RECOMENDADO PARA REALIZAR LAS PRACTICAS Language and minimum level recommended for internships					
B2/C1 English, French is a plus					
REQUISITOS ADICIONALES DE LA INSTITUCION DE ACOGIDA Additional requirements set by the host institution					