CORPORATIVE INFORMATION		
Name of the company	CSD Labs GmbH	
Contact Person	Andreas Schriefl	Email:
Location	Country	Austria
	City	Graz
	Address	Nikolaiplatz 4, 8020 Graz
Sector	Medical software / Software engineering / e-learning	

PROPOSED INTERNHISP INFORMATION		
Number of trainees to host (in case you want more than 1 trainee, indicate the different departments where they will work)	1 becarios (se ofrecen varios perfiles)	
Extension time (extra months and salary) OPTIONAL SEE DOCUMENT: "FORM 2_Global Training 2022 extension preliminary agreement"	Extra months	Si al finalizar los 6 primeros meses la empresa y el becario desean prorrogar la estancia, la empresa ofrece la posibilidad de prorrogar la estancia hasta 6 meses más.
	Monthly payment for extra months (between 0-1500€/month)	Al finalizar los 6 primeros meses, la empresa ofrece la posibilidad de prorrogar la estancia varios meses con la siguiente mensualidad (a día de hoy):1.500 €/mes

INTERNSHIP/PLACEMENT INFORMATION	
Department	Trainee 1: Marketing Trainee 2: Software Development Trainee 3: Quality Management

Description of project/activities	**Trainee 1: Design and Marketing**
	• Support our marketing team in creating and updating materials and marketing campaigns
	• Maintain and optimize our website, including search-engine optimization
	• Maintain and manage social media campaigns
	
	Trainee 2: Software Development
	• Depending on your skills and experience, contribute to our software development projects (mobile, web, backend, algorithms) supervised by our senior engineers
	  ▪ Contribute to new features
	  ▪ Maintain existing projects and fix bugs
	  ▪ Write tests for our existing software components
	
	Trainee 3: Regulatory/Quality Management
	• Continuously improve our quality management system (US/FDA EU/CE), supervised by our quality management engineers
	• Contribute to the technical documentation of our medical devices
	• Manage and analyse clinical data
	• Research about regulatory strategies and monitoring regulatory changes

COMPETENCES, SKILLS and EXPERIENCE REQUIREMENTS

Universidad del País Vasco / Euskal Herriko Unibertsitatea

Requested profile(s) information (Studies, previous experience, language skills, other skills…)	**Trainee 1: Design and Marketing** • Background: (Product) Design, Marketing, • Very good graphical/illustration skills, creativity • Optional: Knowledge in marketing strategies, social media campaigns, website optimization • Language skills: English **Trainee 2: Software Development** • Background: Computer Science/Software Engineering/Medical Engineering • Solid foundations in software engineering • Optional: knowledge in data analysis/machine learning (Python), iOS/Android development, web app (Typescript/HTML/CSS) development, backend (C#/.NET) development. We operate in many different areas and would employ you wherever your skills match our projects the best. • Language skills: English **Trainee 3: Regulatory/Quality Management** • Background: Quality management/Project management/Medical engineering • Basic knowledge in quality management • Very structured and diligent work attitude • Interested in medical topics and heart/lung sounds in particular • Optional: medical device regulations: ISO 13485:2016, MDR, 21 CFR part 820 • Language skills: Excellent English
Other commentaries	

APPLICATION FORM 1 APPLICATION FORM: GLOBAL TRAINING PROGRAMME

EMPRESA/ORGANISMO	FIRMA	FECHA
RESPONSABLE EMPRESA: Andreas Schriefl		March 30, 2022

INFORMATION ABOUT THE COMPANY/INSTITUTION

LOGO	CSDlabs eMurmur
WEBSITE	www.emurmur.com
INFORMATION ABOUT THE CITY AND THE AREA WHERE THE COMPANY/ISTITUTION IS LOCATED (General information about SECURITY, ACCOMODATION, PUBLIC TRANSPORT…)	Graz is the second largest city of Austria with 325.000 inhabitants (of which more than 44.000 are students). There are 4 major universities in Graz and a very good public transport system. It is a very safe city, and accommodation is quite cheap (around 250-350 EUR for a room in a shared flat). It is close to Hungary, Slovenia, Italy, and both culturally and scenically a very interesting region. https://en.wikipedia.org/wiki/Graz Our office is in the center of Graz and easily reachable by foot, bike, or public transport. For more information, please contact me at andreas.reinisch@emurmur.com
GENERAL INFORMATION ABOUT THE COMPANY/INSTITUTION	We develop products to support medical professionals in auscultation (auscultation = examination with the stethoscope). Our main areas are development and sales of medical software, development of heart sound and lung sound analysis algorithms, performing clinical studies, and development of eLearning tools for students and universities.
SIZE OF THE COMPANY (EMPLOYEES)	10
NUMBER OF PEOPLE AT THE DEPARTMENT WHERE THE TRAINEESHIP WILL TAKE PLAKE	8

MAIN ACTIVITY OF THE COMPANY/INSTITUTION	We operate in 2 areas:
	• Research and development of **heart sound analysis algorithms** and **lung sound analysis algorithms.** Development of a digital auscultation platform, incorporating the analysis algorithms.
	• **Development** of **eLearning tools** in the area of heart/lung sounds for
	    o students
	    o universities
	
	For more information visit www.emurmur.com

A BRIEF EXPLANATION OF MAIN PROJECTS	**eMurmur:** a digital auscultation platform enabling healthcare providers to screen, monitor, diagnose, and consult with greater certainty. eMurmur consists of an Android app, an iOS app, a web portal, and a backend. https://emurmur.com/platform/ **eMurmur Heart AI**: medical device for heart sound analysis and documentation: the user connects our app on a smartphone to an electronic stethoscope and captures the heart sounds, sends the heart sounds to a server where they are analyzed, the analysis result is returned to the user. https://emurmur.com/ai-publications/ **eMurmur Lung AI**: medical device for lung sound analysis and documentation. Currently under development and not released yet. **Littmann Learning**: heart/lung murmur training and testing app for self-paced learning;

	Android- and iOS-based app. **Littmann University**: interactive auscultation training platform for instructors and students; Android- and iOS-based app.
PREVIOUS COLLABORATION IN INTERNSHIP/TRAINING PROGRAMMES?	Up to now we hosted 9 Basque trainees of the Global Training Programme, all of which extended the programme by the maximum time. Three of them are now employed full-time; one of them is still here in Graz, while two of them continue to work for us remotely. We also continued to work with 2 other former trainees for 6 months after the full 12 months of the Global Training Programme on a contractor-basis.
OTHER COMMENTARIES	