

APPLICATION FORM: GLOBAL TRAINING PROGRAMME 2019-2020 – INTERNSHIP INFORMATION

CORPORATIVE INFORMATION	
Name of the company	CSD Labs GmbH
Contact Person	Andreas Reinisch Email: _____
Location	Country: Austria
	City: Graz
	Address: Nikolaiplatz 4/3
Sector	Medical software / medical engineering / e-learning


PROPOSED INTERNSHIP INFORMATION	
Number of trainees to host	1 plaza (Se ofrecen varios perfiles)
Extension time (extra months and salary) OPTIONAL <i>SEE DOCUMENT: "FORM 2_Global Training 2017 extension preliminary agreement"</i>	Extra months Si al finalizar los 6 primeros meses la empresa y el becario desean prorrogar la estancia, se ofrece la posibilidad de prorrogar 6 meses más
	Monthly payment for extra months (between 0-1358€/month) Durante la prórroga opcional, la mensualidad sería de: 1,358

INTERNSHIP/PLACEMENT INFORMATION	
Department (in case you want more than 1 trainee, indicate the different departments where they will work)	<p>Trainee 1: Web development</p> <p>Trainee 2: Research and development (Algorithm prototyping and tool development)</p> <p>Trainee 3: Quality management and regulatory</p>
Description of project/activities (in case you want more than 1 trainee, indicate the different projects/activities on which they will work)	<p>Trainee 1: Web development</p> <ul style="list-style-type: none"> • Development of new features for existing AngularJS site • Maintenance of existing code • Cybersecurity (authentication with JWT, prevention of XSS and CSRF) • Software verification: unit testing, and E2E testing • Documentation of software <p>Trainee 2: Research and development</p> <ul style="list-style-type: none"> • Finding strategies for data management of clinical study results • Development of data analysis tools in Python for internal use • Management of internal build-processes and configuration management system • Maintenance and testing of existing code • Documentation of software <p>Trainee 3: Quality and data management</p> <ul style="list-style-type: none"> • Supporting our quality management system • Improvement of QM processes • Maintenance of our internal heart sound library • Management of our e-learning tools and databases

COMPETENCES, SKILLS and EXPERIENCE REQUIREMENTS	
<p>Requested profile(s) information (Studies, previous experience, language skills, other skills...)</p>	<p>Trainee 1: Web development</p> <ul style="list-style-type: none"> • Background: Computer Science/Software Engineering/Medical Engineering • Skills: <ul style="list-style-type: none"> ○ Web development with JavaScript, HTML, CSS ○ Optional: experience with AngularJS, software testing, continuous integration, git ○ Language skills: English and/or German <p>Trainee 2: Research and development</p> <ul style="list-style-type: none"> • Background: Computer Science/Software Engineering/Medical Engineering • Skills <ul style="list-style-type: none"> ○ Development in Python ○ Optional: software configuration, continuous integration, build automation, git ○ Language skills: English and/or German <p>Trainee 3: Quality and data management</p> <ul style="list-style-type: none"> • Background: Quality management/Product management/Medical engineering • Skills <ul style="list-style-type: none"> ○ Basic knowledge in quality management ○ Very structured and diligent work attitude ○ Interested in medical topics and heart sounds in particular ○ Optional: task automation using scripting language (e.g. Python) ○ Language skills: Excellent English
<p>Other commentaries</p>	

APPLICATION FORM 1

INFORMATION ABOUT THE COMPANY/INSTITUTION

LOGO	
WEBSITE	www.emurmur.com
INFORMATION ABOUT THE CITY AND THE AREA WHERE THE COMPANY/INSTITUTION IS LOCATED (General information about SECURITY, ACCOMODATION, PUBLIC TRANSPORT...)	<p>Graz is the second biggest 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)</p> <p>https://en.wikipedia.org/wiki/Graz</p> <p>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</p>
GENERAL INFORMATION ABOUT THE COMPANY/INSTITUTION	CSD labs develops products to support medical professionals in auscultation. Our main areas are development and sales of medical devices, development of heart sound analysis algorithms, performing clinical studies, and development of eLearning tools for students and universities.
SIZE OF THE COMPANY (EMPLOYEES)	6
NUMBER OF PEOPLE AT THE DEPARTMENT WHERE THE TRAINEESHIP WILL TAKE PLAKE	4
MAIN ACTIVITY OF THE COMPANY/INSTITUTION	<p>Research and development of heart sound analysis algorithms</p> <p>Research and development of medical devices for heart sound analysis</p> <p>Development of eLearning tools in the area of heart sounds for</p> <ul style="list-style-type: none"> • students • universities <p>For more information visit www.eMurmur.com</p>
A BRIEF EXPLANATION OF MAIN PROJECTS	<p>eMurmur ID: 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/clinical/</p> <p>eMurmur Primer: heart murmur training and testing app for self-paced learning; Android- and iOS-based app. https://emurmur.com/academic/#primer</p> <p>eMurmur University: interactive auscultation training platform for instructors and students; Android- and iOS-based app. https://emurmur.com/academic/#university</p> <p>eMurmur Heartpedia: 3D interactive heart models, including heart murmur recordings, video animations, audio and descriptions https://emurmur.com/academic/#heartpedia</p>



CAMPUS OF
INTERNATIONAL
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PREVIOUS COLLABORATION IN INTERNSHIP/TRAINING PROGRAMMES?	Up to now we hosted 7 Basque trainees of the global training programme, all of which extended the programme by the maximum time. One trainee was employed as a full-time employee and returned back to Spain after more than 3.5 years at CSD labs, where he continues to work for us remotely. We also continued to work with 2 other former trainees for 6 months on a contractor-basis.
OTHER COMMENTARIES	