

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

CORPORATIVE INFORMATION	
Name of the company	JOANNEUM RESEARCH Forschungsgesellschaft mbH
Contact Person	Dr. Anja Haase <span style="float:right">Email:</span>
Location	Country: Austria
	City: 8160 Weiz
	Address: Franz Pichler-Strasse 30
Sector	

PROPOSED INTERNSHIP INFORMATION	
Number of trainees to host	2
<b>Extension time (extra months and salary) OPTIONAL</b>  SEE DOCUMENT: <i>"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: 1400€/mes

INTERNSHIP/PLACEMENT INFORMATION	
<b>Department</b> (in case you want more than 1 trainee, indicate the different departments where they will work)	Materials – Institute for Surface Technologies and Photonics
<b>Description of project/activities</b> (in case you want more than 1 trainee, indicate the different projects/activities on which they will work)	Our institute is specialized in roll to roll nanoimprinting of different structures, such as optical structures, microfluidic structures etc. We have experience in material development for UV imprinting and optical properties. One part of the institute is specialized in optical simulations, one other part in development of sensors. Possible activities/ projects could be: <ul style="list-style-type: none"> <li>■ Development of transparent flexible heating plastic foils based on structuring thin metal lines with UV- nanoimprinting</li> <li>■ Development of thermoplastic UV imprinting resists</li> <li>■ Development of UV imprinting resists with anti fouling properties or scratch resistant or with high and low refractive index</li> <li>■ Simulation of outcoupling refractive structures for lab on chips</li> <li>■ Development of a foldable lab on chip device fabricated by means of roll to roll nanoimprinting</li> <li>■ Development of sensor chemistry for lab on chip devices</li> <li>■ ...</li> </ul>

COMPETENCES, SKILLS and EXPERIENCE REQUIREMENTS	
<b>Requested profile(s) information</b> (Studies, previous experience, language skills, other skills...)	Studies: mechanical engineering, physics or chemistry Language skills: English

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CAMPUS OF  
INTERNATIONAL  
EXCELLENCE



Other commentaries

## APPLICATION FORM 1

**INFORMATION ABOUT THE COMPANY/INSTITUTION**

<p align="center"><b>LOGO</b></p>	
<p align="center"><b>WEBSITE</b></p>	<p><a href="https://www.joanneum.at/materials/">https://www.joanneum.at/materials/</a></p>
<p align="center"><b>INFORMATION ABOUT THE CITY AND THE AREA WHERE THE COMPANY/ISTITUTION IS LOCATED</b></p> <p>(General information about SECURITY, ACCOMODATION, PUBLIC TRANSPORT...)</p>	<p>Weiz is a city in the eastern part of Austria with approx 11.000 inhabitants. It is 30 km in the North of Graz, the capital of the province of Styria. There are many schools in Weiz and also student accomodation (Kolpingheim). There is public transport to Graz either by bus or by train every hour.</p> <p><a href="http://www.weiz.at">www.weiz.at</a></p>
<p align="center"><b>GENERAL INFORMATION ABOUT THE COMPANY/INSTITUTION</b></p>	<p>JOANNEUM RESEARCH Forschungsgesellschaft mbH is a professional leader of innovation and provider of technology. Its entrepreneurial focus and track record of 30 years of cutting-edge research performed on an international scale has made it stand out from the crowd. This key function is to facilitate the transfer of technology and knowledge in South-East-Austria. For these reasons, it is perfectly suited for applied research and technology development. JOANNEUM RESEARCH networks with members of national and international scientific and research communities. It is a recognised research partner whose scientific work fulfills the highest international standards. It supports companies during the development of technologies and processes. In this way, it makes a crucial contribution to secure and increase the competitiveness of Styria and Carinthia as a location for research, innovation and business.</p> <p>JOANNEUM RESEARCH has re-positioned itself through a comprehensive strategic process in compliance with shareholders to meet all the scientific and economic requirements. During the course of this development new research content and objectives have been defined, the structures of the work have been adjusted to meet</p>
<p align="center"><b>SIZE OF THE COMPANY (EMPLOYEES)</b></p>	<p>450</p>
<p align="center"><b>NUMBER OF PEOPLE AT THE DEPARTMENT WHERE THE TRAINEESHIP WILL TAKE PLAKE</b></p>	<p>80</p>
<p align="center"><b>MAIN ACTIVITY OF THE COMPANY/INSTITUTION</b></p>	<p>JOANNEUM RESEARCH has the following tasks:</p> <ul style="list-style-type: none"> <li>• innovation / research</li> <li>• networking</li> <li>• knowledge transfer</li> </ul> <p>The research units are:</p> <p>MATERIALS – Institute for Surface Technologies and Photonics          HEALTH – Institute for Biomedicine and Health Sciences          DIGITAL – Institute for Information and Communication Technologies          POLICIES – Institute for Economic and Innovation Research          ROBOTICS – Institute for Robotics and Mechatronics          LIFE – Centre für Climate, Energy and Society          COREMED - Kooperatives Zentrum für Regenerative Medizin</p>

<p><b>A BRIEF EXPLANATION OF MAIN PROJECTS</b></p>	<ul style="list-style-type: none"> <li>• Large-scale production of organic layers (roll-to-roll, screen printing): any kind of structure (optical, biomimicing (gecko effect, lotus effect, ...), microfluidic channels</li> <li>• Microfluidic chip development: new layout design, mastering with several techniques (photolithography, e-beam lithography, grey scale laser lithography), master upscaling for R2R imprinting, R2R UV-NIL imprint, chip assembly</li> <li>• Green Photonics and Electronics</li> <li>• Structured (biomimetic) surfaces in the nanoscale: mastering up to large area replication via UV-Nanoimprint Lithography</li> <li>• Piezoelectric sensors and energy harvesters</li> <li>• (Optical) Chemo-and Biosensors</li> <li>• Laser Production Technology</li> <li>• Aerosol and inkjet printing</li> <li>• Laser and plasma-assisted vacuum deposition process</li> </ul>
<p><b>PREVIOUS COLLABORATION IN INTERNSHIP/TRAINING PROGRAMMES?</b></p>	<p>In the year 2017/2018 we already participated in this program and hosted two students: Elena Gonzalez and Asier Alvarez. Asier is still in Weiz, doing a PhD in microfluidic simulation.</p> <p>in the year 2018/2019 we also participated and Izar Gorroñoigoitia Uribarren is doing her internship right now.</p>
<p><b>OTHER COMMENTARIES</b></p>	

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Danke!

Allgemeine Angaben von der Organisationseinheit auszufüllen	
Organisationseinheit: MATERIALS	Projekt-Nr. bzw. Kostenstelle: MAT010
ID und FGL bzw. LZO sowie ProjektleiterIn: DI Dr. Paul Hartmann, Anja Haase	
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Homepage:	https://www.ehu.eus/en/en-home
Weitere Informationen: Betriebsgröße, Umfeld, etc:	
Alternativen zum Vertragspartner:	JA <input type="checkbox"/> Nein <input checked="" type="checkbox"/>
Bei JA: Name, Anschrift; Bei NEIN: Begründung: Haftungsvereinbarung	
Vertragsart:	
<input type="checkbox"/> Kooperationsvertrag <input type="checkbox"/> Geheimhaltungsvereinbarung <input type="checkbox"/> Leihvertrag <input type="checkbox"/> Mietvertrag <input type="checkbox"/> Kaufvertrag <input type="checkbox"/> Memorandum of Understanding <input type="checkbox"/> Letter of Intent <input type="checkbox"/> Nutzungsvereinbarung <input type="checkbox"/> Wartungsvertrag <input type="checkbox"/> Vereinsstatuten <input checked="" type="checkbox"/> Sonstiges, und zwar: GLOBAL TRAINING PROGRAMME 2019-2020 – INTERNSHIP	
Anhänge / Beilagen:	
Weiz, 20.03.2019	
Ort, Datum	Unterschrift ID und FGL bzw. LZO sowie ProjektleiterIn

Von der Stabsstelle Recht auszufüllen	
Vollständig eingelangt am:	20.3.19
Anzuwendendes Recht:	2 + 6 9. 1. 19 19
Inkrafttreten:	4
Vertragsdauer:	2019 (12.)
Ordentliche Kündigungsmöglichkeiten:	JOANNEUM RESEARCH <input type="checkbox"/> Ja <input checked="" type="checkbox"/> Nein Vertragspartner <input type="checkbox"/> Ja <input checked="" type="checkbox"/> Nein
Allgemeine Geschäftsbedingungen:	JOANNEUM RESEARCH <input type="checkbox"/> Ja <input checked="" type="checkbox"/> Nein Vertragspartner <input type="checkbox"/> Ja <input checked="" type="checkbox"/> Nein
Sonstiges / Risiken: Teilnehmer ... 17.11. 2018 ... Einzelverträge folgen erst.	
Ort, Datum	Unterschrift Stabsstelle Recht