한-EU 연구협력센터(KERC)는 국내 신진연구자들의 유럽 내 연구경력 개발 지원을 위해 유럽 전역의 연구경력개발 관련 정보를 모니터링/분석하여 국내 수요에 부합하는 맞춤 정보를 제공하고 있습니다. 이번 호는 7-12월 마감되는 벨기에, 독일, 스위스, 스웨덴, 스페인, 폴란드, 프랑스 7개국 9건의 공고를 담고 있으며, 물리학, 화학, 생물학, 컴퓨터 공학 등의 분야의 신진연구자들을 대상으로 합니다.
<table>
<thead>
<tr>
<th>Country</th>
<th>Institution</th>
<th>Subject</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belgium</td>
<td>Katholieke Universiteit Leuven (KU Leuven)</td>
<td>Numerical solar physics</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ultrasound engineering</td>
</tr>
<tr>
<td>Germany</td>
<td>The Technische Informationsbibliothek (TIB)</td>
<td>Biological science</td>
</tr>
<tr>
<td></td>
<td>Technical University of Munich (TUM)</td>
<td>Computer science</td>
</tr>
<tr>
<td>Switzerland</td>
<td>Università della Svizzera Italiana</td>
<td>Biological science</td>
</tr>
<tr>
<td>Sweden</td>
<td>University of Gothenburg Neurosciences</td>
<td>Biological science</td>
</tr>
<tr>
<td>Spain</td>
<td>IESE Business School</td>
<td>Management science</td>
</tr>
<tr>
<td>Poland</td>
<td>Centre of Molecular and Macromolecular Studies Polish Academy of Sciences</td>
<td>Chemistry</td>
</tr>
<tr>
<td>France</td>
<td>Endothelial Physiopathology Lab.</td>
<td>Medical science</td>
</tr>
</tbody>
</table>
The ideal candidate holds a doctoral degree in Computer Science, Information Science, Mathematics or a related field and is able to combine theoretical and practical aspects in his/her work. The candidate should have a background in a field relevant for Web and Data Science, such as:

- Semantic technologies, linked data, knowledge graphs and ontology engineering
- Artificial intelligence, knowledge representation and machine learning
- Natural language processing and information retrieval
- Software engineering and modern application development
- Data management, integration and analysis
- Human-computer interaction and data visualization
- Fluent English communication skills are a fundamental requirement; command of the German language is a plus

https://www.science.hr/jobs/85404/senior-post-doc-knowledge-graph-technologies-mfd/
Postdoctoral Position | Ultrasound engineering | Belgium

**Institute**
KU Leuven

**Area**
Ultrasound engineering, preferably in beam forming

**Requirements**
- You have a PhD degree in ultrasound engineering, preferably in beam forming
- You have good programming skills (i.e. are acquainted with Matlab and/or C++)
- You are practical in that you are able to build experimental setups
- You are fluent in oral and written English
- You are enthusiastic and result oriented
- You are a team player and communicate well

**Application**
**Postdoc Position (2 Years) | Numerical solar physics | Belgium**

<table>
<thead>
<tr>
<th>기관 명칭</th>
<th>KU Leuven</th>
</tr>
</thead>
<tbody>
<tr>
<td>지원 분야</td>
<td>Astrophysics / Mathematics</td>
</tr>
<tr>
<td>지원 대상</td>
<td>박사 및 석사 학생</td>
</tr>
<tr>
<td>지원 내역</td>
<td>2 years Postdoc position (+1 year)</td>
</tr>
<tr>
<td>지원 마감</td>
<td>2021. 7. 16.</td>
</tr>
</tbody>
</table>

**지원 자격**
- Motivated to perform state-of-the-art computational solar physics research:
- Interested in numerical algorithms and their intrinsic limitations;
- Familiar with basic magnetohydrodynamic theory;
- Interested in working with fellow postdocs, PhDs and master students.

**상세 내용**
Postdoc Position | Management sciences | Sapin

기관 명칭: ISEE Business School
지원 분야: Management science
지원 대상: 박사 후 8년 이하
지원 내역: Salary range based on experience
지원 마감: 2021. 7. 30.
지원 자격: As soon as possible

- PhD in economics, management, statistics, or related field.
- Maximum of eight years experience in research from the date of the award of their PhD degree (years of experience outside research and career breaks will not count).
- Not have resided or carried out their main activity in Spain formore than 12 months
- Statistical knowledge.
- Native English speaker or similar level.
- Teamwork.
- Knowledge about open innovation, corporate venturing, and technology transfer is a plus.
- Knowledge of Stata, R, Python and C++ is a plus

상세 내용: [https://cdn4.euraxess.org/sites/default/files/application-forms/postdoc_offer_v2_euraxxes.pdf](https://cdn4.euraxess.org/sites/default/files/application-forms/postdoc_offer_v2_euraxxes.pdf)
Postdoctoral Position (4 years) | Chemistry | Poland

Company: Centre of Molecular and Macromolecular Studies Polish Academy of Sciences

- PhD degree in Chemistry or related sciences approved or obtained within the past 5 years.
- Experience in organic synthesis and in organic materials; in particular experience with heterocyclic compounds and/or paramagnetic and liquid crystals materials.
- Skills and experience in conducting physical-organic research with particular emphasis on spectroscopic techniques (NMR, UV-vis), electrochemistry, thermal characterization.
- Ability to conduct independent research and full analysis of the obtained materials.
- Documented scientific achievements in the area of organic chemistry or organic materials chemistry.
- Proficiency in spoken and written English;
- Teamwork skills, enthusiasm and high motivation to expand knowledge.

Salary: 10000,00 PLN gross/month

Deadline: 2021. 7. 31.

Application: https://euraxess.ec.europa.eu/jobs/612237
Postdoc Position (2 years) | Biological sciences | Germany

기관 명칭  Technical University of Munich (TUM)
지원 분야  Biological science
지원 대상  박사학위 소지자
지원 내역  독일 E13 TVöD-Bund (€3,438.27−€4,962.10/월)
지원 마감  2021. 7. 31.
지원 자격
• High motivation, scientific curiosity and ability to work independently
• A degree and a PhD in Physics, Optics, Engineering, Medical Technology or a related field
• A stellar academic and scientific track record
• Programming capabilities (for example, Matlab, C/C++)
• Expertise in sensor development
• Team player skills and enthusiasm to work in a multi-disciplinary, collaborative environment
• Excellent command of the English language

상세 내용  https://www.lifescience.net/jobs/84787/postdoctoral-fellow-in-optoacoustic-sensing-fmd/
Postdoctoral Position (3 years) | Computer science | Switzerland

- **Institution**: Università della Svizzera Italiana
- **Field**: Biological Science
- **Position**: PhD with excellent background in machine learning
- **Knowledge/Experience**: Knowledge/experience with biophysical systems is a plus
- **Salary**: Above the European standard salary
- **Application Deadline**: 2021. 8. 1.
- **Start Date**: 2021. 9. 1.

At a minimum, the candidate must possess a PhD in cell or molecular biology, microbiology, biochemistry, bioengineering, biotechnology, veterinary sciences, bioinformatics, nutrition or related disciplines. Demonstrated experience in forms of microscopy, various molecular and biochemical analytical techniques, and statistical software are essential. Knowledge of cell cultures, cell signaling, and/or polymeric chemistry would be desirable. For the second and third topic, additional experience in bioanalytical assays and work with microalgae, fungi, or cyanobacteria would be considered assets. It is not a requirement to have prior experience with aquaculture, aquaponics or hydroponic crop production (commercial greenhouse facilities), but such experience would be advantageous. For the second and third topics, please note clearly on your application if you have any relevant skills such as technical operation of aquarium, aquaculture tanks or multiphase bioreactors, as well as experience in hydroponic, plant nutrition or irrigation systems.

The successful candidate must have excellent English verbal and written communication skills. In addition to exemplary teamwork and communication skills, the position will involve project planning and coordination (experimental design, purchasing, logistics), therefore demonstrated independence in that regard would be assets.
<table>
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<tr>
<td>지원 분야</td>
<td>Medical Science</td>
</tr>
<tr>
<td>지원 대상</td>
<td>박사 후 3년 이하</td>
</tr>
<tr>
<td>지원 내역</td>
<td>49,330 EUR/년 (세전)</td>
</tr>
<tr>
<td>근무 개시</td>
<td>As soon as possible</td>
</tr>
<tr>
<td>지원 자격</td>
<td>The postdoc will work on mechanisms of extracellular vesicle release and biodistribution in the context of cardiovascular disease development. The applicant, with a strong background in cell biology, molecular biology and/or pathology-physiology, should have obtained a PhD in the last 2 years. Excellent communication skills are also expected. Previous experience with extracellular vesicles would be an advantage.</td>
</tr>
</tbody>
</table>