I was taught that the way of progress was neither swift nor easy.

Marie Curie

Grants from Marie Skłodowska-Curie actions

MUNA ZAQSAW
Higher Council for Science & Technology

HIGHER COUNCIL FOR SCIENCE & TECHNOLOGY

THE HIGHER COUNCIL FOR SCIENCE AND TECHNOLOGY (HCST)

was established in

1987

as an

independent public institution,

acting as a national umbrella for all scientific and technological activities in

Jordan

"Build, foster, and develop a national scientific and technological base for the purpose of achieving the goals of economic, social and cultural development in the Kingdom"

Chairman
HRH Prince
El-Hassan Bin Talal

HCST responsibilities

المجلس الأعلى للعلوم والتكنولوجيا
The Higher Council For Science and Technology

STI Policies

- Ratifying the General policy of science and technology in the Kingdom,
- Defining research priorities, and drawing up related programs and plans for their implementation and follow up,
- Drawing up the strategies suitable for the development of scientific and technological potential in Jordan.

HCST responsibilities

Human Resources Development

- Contributing to the supply and training of manpower, and to the technical potential for scientific research institutions.

HCST responsibilities

المجلس الأعلى للعلوم والتكنولوجيا
The Higher Council For Science and Technology

Scientific centers

- Establishing affiliated specialized S&T centers upon demand.
- NCI, NCRD, KACN,etc.

HCST responsibilities

المجلس الأعلى للعلوم والتكنولوجيا
The Higher Council For Science and Technology

Financial Support

- Fostering the institutions and units of scientific and technological research, and providing the necessary funding for the support of scientific and technological research, services and activities.

HCST responsibilities

International Cooperation

- Undertaking scientific and technological cooperation and concluding agreements related to scientific and technological research,
- Representing Jordan in science and technology at the regional and international levels.

Myself-Muna Zaqsaw

Currently,

- Researcher, International Cooperation Department
- MSCA National Contact Point
- Staff member at the Enterprise Europe Network
- On voluntary basis, together with the founder oft Youth Association for Reality and Awareness **(YARA),** Mr. Amir Shihadeh , launched the “Double Education” Initiative.

Education,

- Bsc General Physics from the University of Jordan
- Msc in solid-state physics from the University of Jordan,

thesis “ Magnetic and Structural Properties of Hexaferrite Materials“, supervised by Prof. Dr. Sami Mahmoud.

My Roles as an NCP

- Guidance on choosing relevant H2020 topics and types of action
- Advice on administrative procedures and contractual issues
- Training and assistance on proposal writing
- Distribution of documentation (forms, guidelines, manuals etc.)
- Assistance in partner search

MARIE CURIE ACTIONS

Marie Sklodowska-Curie Actions (MSCA)

The Marie Skłodowska-Curie actions, named after the **double Nobel Prize winning** Polish-French scientist famed for her work on radioactivity,.

Objective of MSCA:

Support researchers at all stages of their careers, irrespective of nationality.

The MSCA also support industrial doctorates, combining academic research study with work in companies, and other innovative training that enhances employability and career development.

Types of Actions:

Fellowships, Training networks, joint doctorates, staff exchange and co-funding

MSCA key figures: Horizon 2020

8 Nobel laureates

1 Oscar winner

~100

SPIN-OFFS

~1500

PATENT APPLICATIONS

~25000

PHD CANDIDATES

~1200

INTERNATIONAL AND INTERSECTORAL TRAINING PROGRAMMES

40 %

FEMALE RESEARCHERS

1 in 4

NON-EU RESEARCHERS

1 million visitors / year

EUROPEAN RESEARCHERS' NIGHT

European Commission

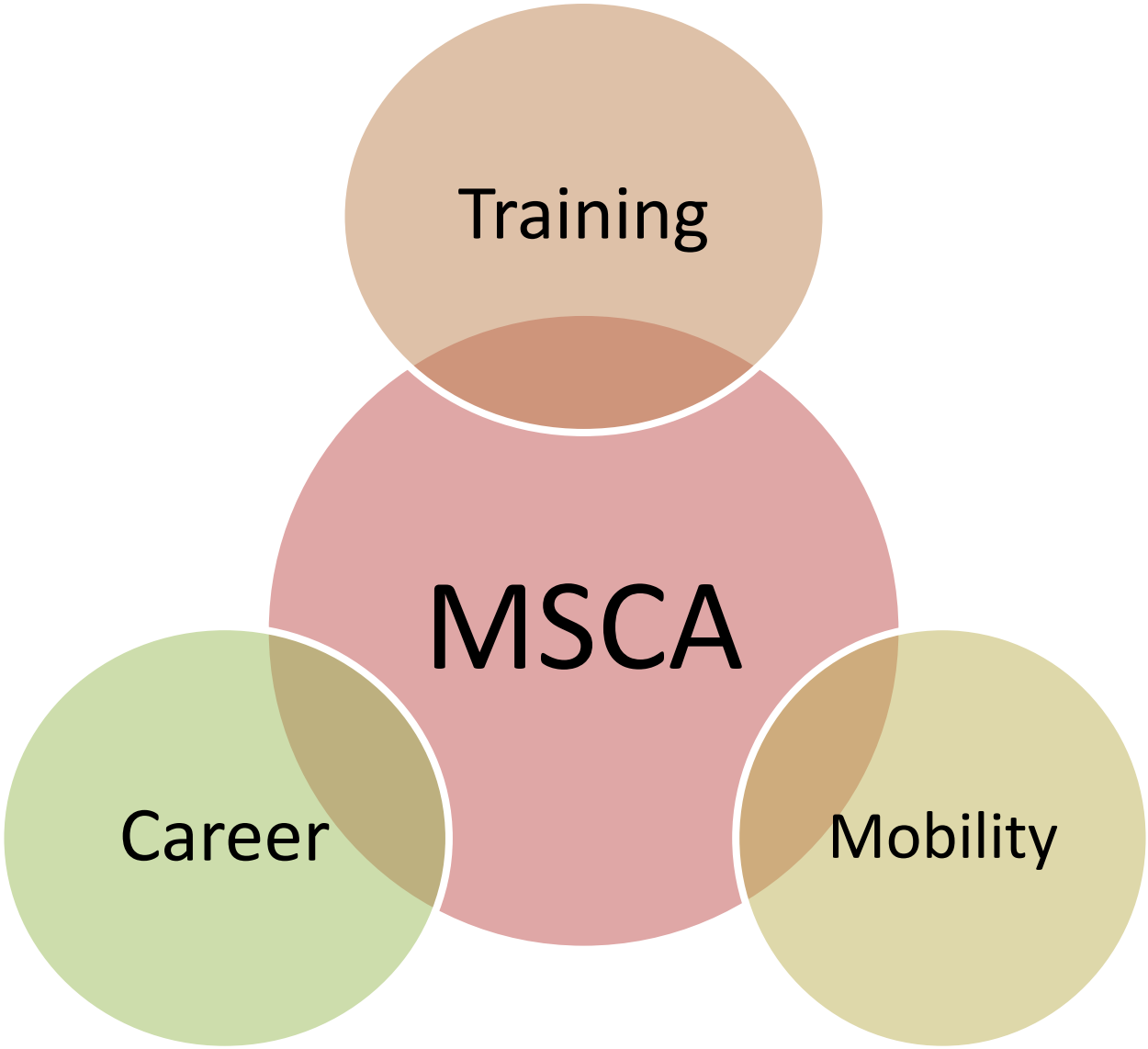
Why MSCA not any other funding?

MSCA provides all of her researchers a certificate from the European Commission –proof of excellency

Becoming part of Marie Curie Alumni Association (**MCAA**) to connect with other fellows. This association offers opportunities for networking and peer exchange, an alumni directory, job offers, an events calendar, and other services of potential interest to MSCA fellows.

Reasons to get involved in Marie S-Curie Actions

- Build Links with Research Groups and Industry Worldwide
- Increase number of research students & staff
- Attracting Leading & Up-and-Coming Researchers
- Fund a Sabbatical Abroad (up-skill for ERC)
- Significant co-financing opportunity through COFUND


Training
MSCA
Career
Mobility

MSC Action

Innovative Training Networks (ITN)

Innovative doctoral-level training providing a range of skills in order to maximise employability;

Individual Fellowships (IF)

Support for experienced researchers undertaking mobility between countries, and also to the nonacademic sector;

Research and Innovation Staff Exchange (RISE)

International and intersectoral collaboration through the exchange of research and innovation staff;

COFUND

Co-financing high-quality fellowship or doctoral programmes with transnational mobility.

Common terms you might go through

- **Early-Stage Researchers (ESR)** must, at the date of secondment, be in the first four years (full-time equivalent research experience) of their research careers and have not been awarded a doctoral degree.

- **Experienced Researchers (ER)** must, at the date of the secondment, be in possession of a doctoral degree **OR** have at least four years of full-time equivalent research experience.

- **Full-Time Equivalent Research Experience** is measured from the date when the researcher obtained the degree entitling him/her to embark on a doctorate (either in the country in which the degree was obtained or in the country in which the researcher is recruited or from where he/she is seconded) – even if a doctorate was never started or envisaged.

What is there for students?

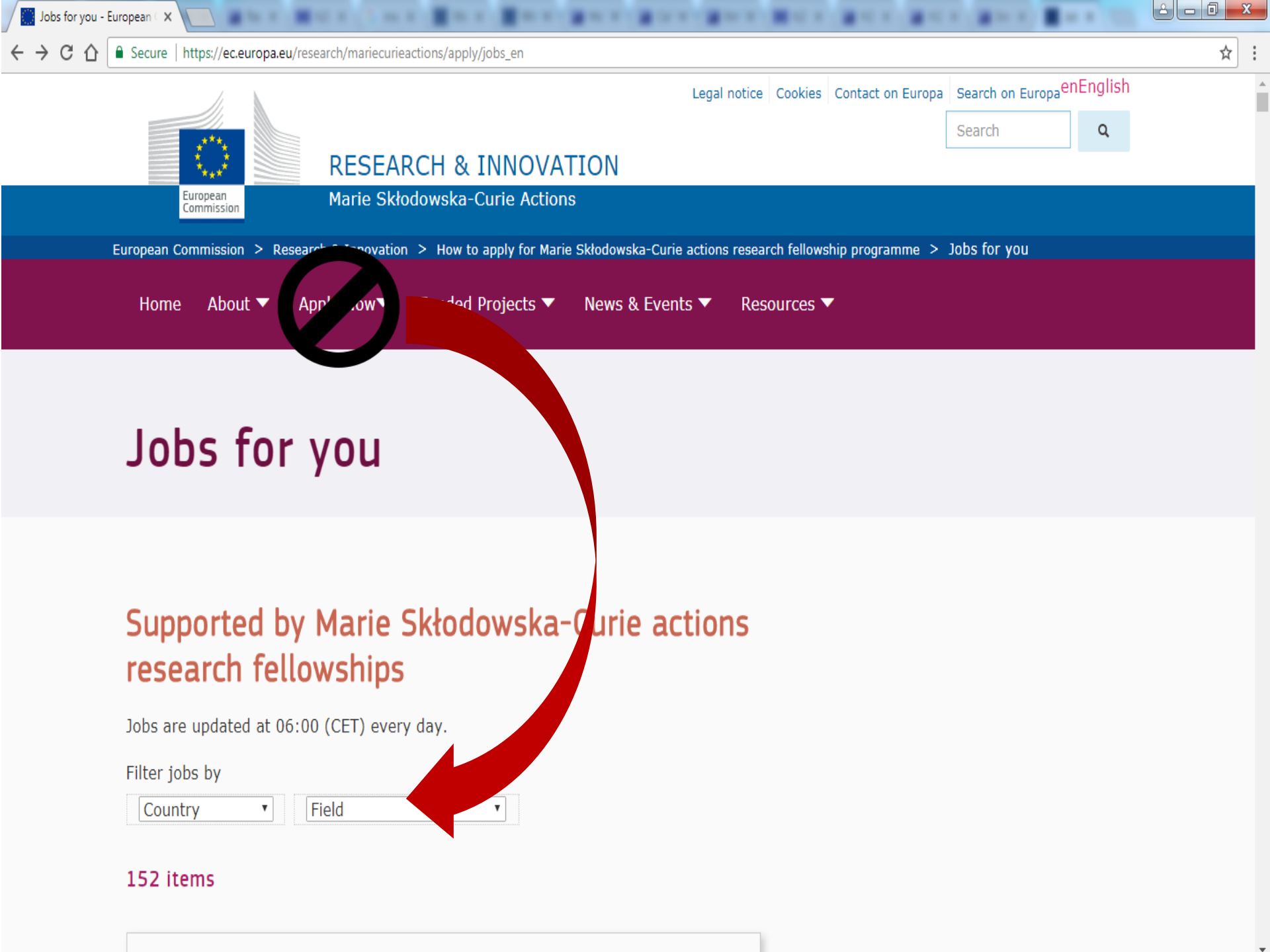
https://ec.europa.eu/research/mariecurieactions/apply/jobs_en

“Jobs for you”

It offers both job vacancies and scholarships available under the projects funded by MSCA

Topics covered by MSCA

- Chemistry
- Mathematics
- Physics
- Environment and Geosciences
- Social Sciences and Humanities
- Economic Sciences
- Information Science and Engineering
- Life Sciences


Jobs for you - European
Secure
https://ec.europa.eu/research/mariecurieactions/apply/jobs_en
Legal notice
Cookies
Contact on Europa
Search on Europa
enEnglish
Search
European Commission
RESEARCH & INNOVATION
Marie Skłodowska-Curie Actions
European Commission > Research & Innovation > How to apply for Marie Skłodowska-Curie actions research fellowship programme > Jobs for you
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Supported by Marie Skłodowska-Curie actions research fellowships
Jobs are updated at 06:00 (CET) every day.
Filter jobs by
Country
Field
152 items

Filter jobs by

Country | Physics

You selected: Physics
found 50 Items

15 Marie Skłodowska - Curie Positions for Early Stage Researchers in the Field of Building Acoustics

Deadline: Thursday 14th December 2017

Field: **Physics : Engineering : Psychological sciences**

Profile: **First Stage Researcher (R1)**

No job summary available

Organisation: **Eindhoven University of Technology : Chalmers University of Technology : Aalto University : KU Leuven : University of Liverpool : Level Acoustics & Vibration : MATELYS - Research Lab : MATERIALISE NVSiemens Industry Software NVMoelven Limträ**
Country: **Netherlands : Sweden : Finland : Belgium : United Kingdom : France**

SEND | OPEN | FULL DETAILS

PhD position: Modelling and simulation of H2Br2 redox-flow batteries (RFBs)

Deadline: Friday 22nd December 2017

Field: **Chemistry : Computer science : Engineering : Mathematics : Physics**

Profile: **First Stage Researcher (R1)**

No job summary available

Organisation: **ZHAW Zürcher Hochschule für Angewandte Wissenschaften**

20/09/2017

Marie Curie Actions

PhD position: Modelling and simulation of organic redox-flow batteries

WHERE TO APPLY | CONTACT | SAVE TO FAVORITES | SHOW ON MAP

ORGANISATION/COMPANY Zürcher Hochschule für Angewandte Wissenschaften, Winterthur, Switzerland

RESEARCH FIELD Chemistry › Physical chemistry
Computer science › Modelling tools
Engineering › Electrical engineering
Mathematics › Computational mathematics

LOCATION Switzerland › Winterthur

TYPE OF CONTRACT Temporary

JOB STATUS Full-time

HOURS PER WEEK 40

Where to apply

PhD position: Modelling and simulation of organic redox-flow batteries

Application Deadline: 22/12/2017 23:00 - Europe/Brussels

Contact Details

Where to send your application.

COMPANY Zürcher Hochschule für Angewandte Wissenschaften, Winterthur, Switzerland

E-MAIL schm@zhaw.ch

CLOSE

ORGANISATION/COMPANY Zürcher Hochschule für Angewandte Wissenschaften, Winterthur, Switzerland

RESEARCH FIELD
Chemistry › Physical chemistry
Computer science › Modelling tools
Engineering › Electrical engineering
Mathematics › Computational mathematics
Physics › Computational physics

RESEARCHER PROFILE First Stage Researcher (R1)

LOCATION Switzerland › Winterthur

TYPE OF CONTRACT Temporary

JOB STATUS Full-time

HOURS PER WEEK 40

OFFER STARTING DATE 01/04/2018

EU RESEARCH FRAMEWORK H2020 / Marie Skłodowska-Curie Actions

PhD position: Modelling

Secure | https://euraxess.ec.europa.eu/jobs/246958

EURAXESS - Researchers in Motion

JOBS & FUNDING | PARTNERING | INFORMATION & ASSISTANCE | EURAXESS WORLDWIDE

HOME › JOBS & FUNDING › PHD POSITION: MODELLING AND SIMULATION OF ORGANIC REDOX-FLOW

‹ BACK

20/09/2017

Marie Curie Actions

PhD position: Modelling and si… …anic redox-flow batteries

WHERE TO APPLY | CONTACT | SAVE TO FAVORITE…

ORGANISATION/COMPANY	Zürcher Hochschule für Angewandte Wissenschaften, Winterthur, Switzerland
RESEARCH FIELD	Chemistry › Physical chemistry Computer science › Modelling tools Engineering › Electrical engineering Mathematics › Computational mathematics
LOCATION	Switzerland › Winterthur
TYPE OF CONTRACT	Temporary
JOB STATUS	Full-time
HOURS PER WEEK	40

22%

FlowCamp will advance the development of one of the most promising storage systems: redox-flow batteries (RFBs). The recruited fellows will develop materials (membranes, electrodes, electrolytes, catalysts, sealing materials) and macrohomogeneous models for three next-generation RFBs (hydrogen-bromine, organic and zinc-air systems). They will then upscale the new systems to prototype level and validate them using the cutting-edge battery testing facilities available for the prestigious German-funded RedoxWind project at Fraunhofer ICT. The new RFB technologies can be combined in energy storage systems tailored to a wide variety of application scenarios, with lower cost, longer service life and higher efficiency than conventional (e.g. Li-ion) storage devices.

The advertised subproject will be carried out by one postgraduate ("early-stage researcher") at the Zürcher Hochschule für Angewandte Wissenschaften over a period of 36 months.

The objective of the proposed subproject is to develop a mathematical description of the transport and reaction processes of an organic redox-flow battery. This will include the modelling of transport through new nanostructured membranes produced by a project partner, and the modelling of non-Newtonian flow behaviour of ionic polymers. The model equations need to be numerically solved to simulate the battery performance. It is important to validate the model by comparison to measurement data of organic RFBs. Design recommendations for organic RFBs of an industrial project partner need to be worked out.

This subproject is fully funded by the Marie Skłodowska-Curie European Training Network "FlowCamp" (H2020-MSCA-ITN-2017).

ADDITIONAL INFORMATION +

REQUIREMENTS +

Training Network "FlowCamp" (H2020-MSCA-ITN-2017).

ADDITIONAL INFORMATION

Benefits

The recruited researcher will have the opportunity to work as part of an international, interdisciplinary team of 15 postgraduates, based at universities and industrial firms throughout Europe. She/he will gain a unique skill-set comprising electrochemistry, material science and cell design/ engineering, as well as an overview of different RFB technologies and their implementation at prototype level. She/he is expected to finish the project with a PhD thesis and to disseminate the results through patents (if applicable), publications in peer-reviewed journals and presentations at international conferences.

Eligibility criteria

- Early-stage researcher: a researcher without a PhD, who is in the first four years (full-time equivalent research experience) of her/his research career, measured from the date when she/he obtained the degree which would formally entitle her/him to embark on a doctorate.
- The applicant must not have resided or carried out her/his main activity (work, studies etc.) in Switzerland for more than 12 months in the past three years.

REQUIREMENTS

REQUIREMENTS

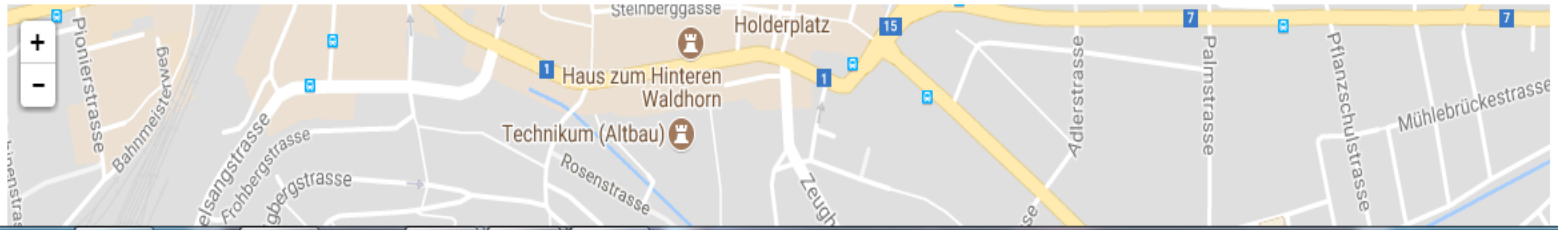
Offer Requirements

REQUIRED LANGUAGES ENGLISH: Good

Skills/Qualifications

- Mathematical skills are important, for example, in the field of partial differential equations and numerical modeling
- Experience in multiphysics modeling and simulation are helpful
- Interest in energy conversion and storage devices like electrochemical cells is expected

Map Information



Another approach for MSCA scholarships

https://euraxess.ec.europa.eu/

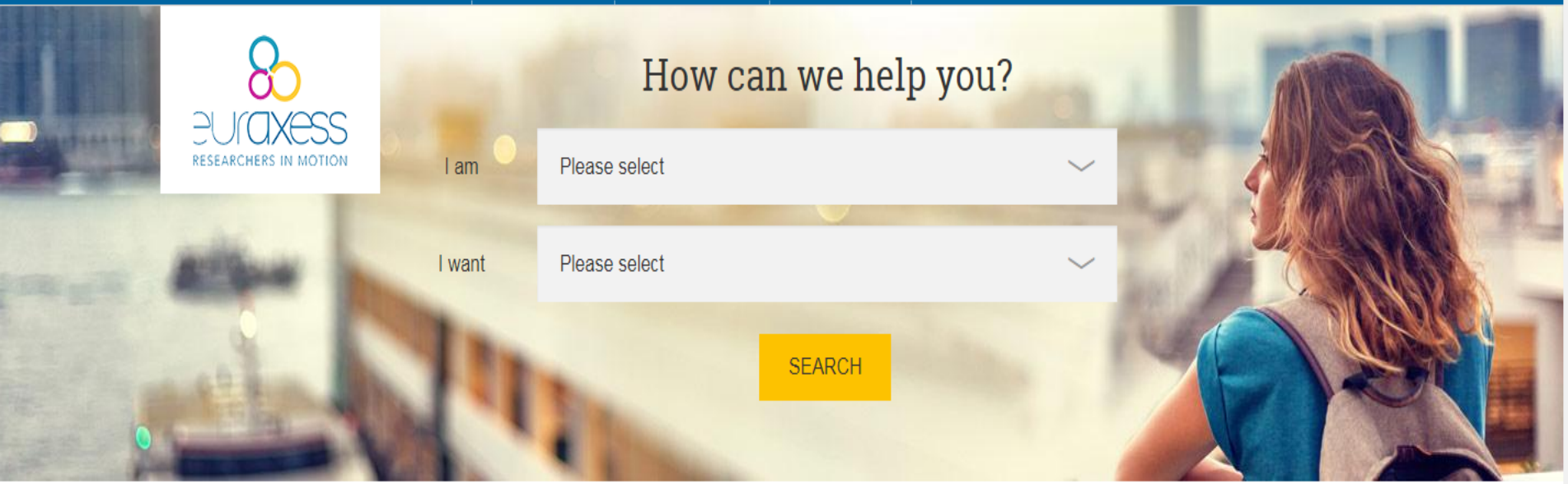
EURAXESS - Researchers in Motion is a unique pan-European initiative delivering information and support services to professional researchers. Backed by the European Union and its Member States, it supports researcher mobility and career development, while enhancing scientific collaboration between Europe and the world.

EURAXESS | Researchers

Secure | https://euraxess.ec.europa.eu

EURAXESS - Researchers in Motion

JOBS & FUNDING | PARTNERING | INFORMATION & ASSISTANCE | EURAXESS WORLDWIDE | LOGIN / REGISTER



Welcome

EURAXESS - Researchers in Motion is a unique pan-European initiative delivering information and support services to professional researchers. Backed by the European Union and its Member States, it supports researcher mobility and career development, while enhancing scientific collaboration between Europe and the world.

EURAXESS is also your gateway to Science4Refugees, a Commission's

Contacting the Host organization

What to write in your letter/email

- ✓ 2-3 lines of who you are and your general background
- ✓ Why are you contacting them
- ✓ What is your source of information
- ✓ Why you think you are eligible for this program
- ✓ Your clear CAREER DEVELOPMENT PLAN

Your CV

1. Let your CV be consistent with your email
2. Update your CV to your latest research activity before sending to the host
3. Highlight the activities that would be a potential advantage to get the scholarships
4. Highlight any networks you have created or joined that are relevant to research and what was the impact and your specific role

Refer to:

Saed Khawaldeh

A Jordanian Researcher who is very active in research field, his background is biotechnology

Follow the facebook page of Saed and follow his advices of drafting emails and CV for research purposes

Saed has currently received funding for his research at OXFORD university

SUCCESS STORIES

Project Title	Host organization	Country
FIWIN5G	UCL	UK
GreenCarbon	Fraunhofer	GERMANY
INTERFUTURE	University of Molise	ITALY

I will be at your disposal at anytime

Muna Zaqsaw

Tel: +96265335283

Email: muna.z@hcst.gov.jo