

Call for PhD Student

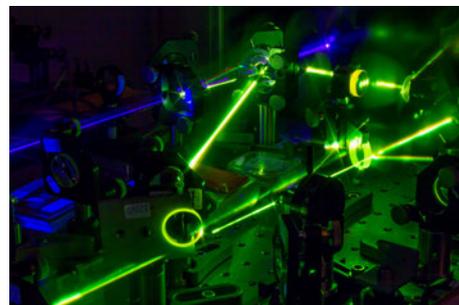


Multiphoton Microscopy and Ultrafast Spectroscopy: Imaging meets Quantum



'MUSIQ' ITN-EU project

One PhD student will be recruited by the Department of Physics, Politecnico di Milano (Italy), in the framework of the MSCA ITN project MUSIQ (<https://www.musiq-etn.eu/>). The task of the student is to perform experimental work on advanced time-resolved spectroscopy of organic systems. Specifically, he/she will apply two-dimensional electronic spectroscopy to the study of quantum coherent effects in artificial light-harvesting systems, and compare the results to theoretical models. The student will exploit ultrafast spectroscopy setups in the visible and near infrared with sub-20-fs time resolution.



Requirements

The ideal candidate should have a background in optics and photonics and preferentially an expertise in spectroscopic techniques and a basic knowledge of physical chemistry and photochemistry. Additional requirements: M.Sc. (or equivalent graduation) in relevant area (e.g. Engineering, Physics or Physical Chemistry). Previous experience in optical spectroscopy techniques is preferred. Proof of English proficiency as communication and teaching language throughout MUSIQ is English.

We offer

- An international, dynamic and top-level-equipped research environment.
- Intensive training in scientific and transferable skills, participation in schools, conferences and workshops.
- Involvement in outreach activities and secondments periods in other institutions within the consortium (Cardiff University, Modena University)
- Gross salary about 3400€ per month (plus 600€ monthly mobility allowance and 250€ monthly family allowance, if applicable).
- Type of contract: Full employment 36-months contract
- Contract **start date** (planned): **1 November 2020**

How to apply

Candidates should follow two steps:

- expressing their interest to the present announcement by 31st July 2020 - "Expression of interest"
- applying to the official call of Politecnico di Milano that will be opened at the end of July - "Application to the Open call"

Expression of interest

Highly motivated candidates must express their interest via email to Prof. Giulio Cerullo and Dr. Margherita Maiuri (Politecnico di Milano) and to the MUSIQ Consortium Coordinator before 31st July 2020. The candidates must send their CV with a Cover Letter to the contacts here below. In the Cover Letter, please provide a brief motivation as to why you wish to become an ESR within MUSIQ. Short-listed candidates will be interviewed and invited to apply to the official call of Politecnico di Milano.

Contacts for expression of interest

Prof. Giulio Cerullo
Physics, Politecnico di Milano
giulio.cerullo@polimi.it

Dr. Margherita Maiuri
Physics, Politecnico di Milano
margherita.maiuri@polimi.it

MUSIQ
Consortium Coordinator
info@musiq-etn.eu

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Application to the Open Call

Pre-screened candidates will be invited to apply to the official open call of Politecnico di Milano (call to be announced and opened by the end of July).

The selection process will be based on the CV and cover letter, followed by an interview for short-listed candidates.

Details

The MSCA Program

Details about the MSCA program can be found at these links:

https://ec.europa.eu/research/mariecurieactions/actions/research-networks_en

https://ec.europa.eu/research/mariecurieactions/sites/mariecurie2/files/msca-itn-fellows-note_en_v2.pdf

Eligibility criteria

There are strict eligibility requirements within MSCA Innovative Training Networks. Applicants:

- MUST at the date of recruitment, be in the first four years (full-time equivalent research experience) of their research careers and have not been awarded a doctoral degree. 'Date of Recruitment' means the first day of the employment of the researcher (i.e. contract starting date). 'Full-Time Equivalent Research Experience' is measured from the date when the researcher obtained the degree entitling him/her to embark on a doctoral degree programme.
- MUST NOT have resided or carried out their main activity (work, studies, etc.) in the country of the recruiting organisation (Italy) for more than 12 months in the 3 years immediately before the recruitment date. Compulsory national service, short stays such as holidays, and time spent as part of a procedure for obtaining refugee status under the Geneva Convention are not taken into account.
- MUST have the ability to understand and express themselves in both written and spoken English to a level that is sufficiently high for them to derive full benefit from the network training.

The European Charter and Code for Researchers

The applicants should read the The European Charter & Code for Researchers at the following link:

<https://euraxess.ec.europa.eu/euraxess/charter-code-researchers>

GDPR Statement

Please be aware that your CV may be shared with the named beneficiaries within the consortium, as part of the application review process, to ensure an open, transparent and merit based recruitment. To read the full MUSIQ Data Privacy Notice, please check www.musiq-etn.eu/musiq-data-privacy-notice

Equal Opportunities Statement

Politecnico di Milano is an equal opportunity employer. We celebrate diversity and are committed to creating an inclusive environment for all employees.



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