

14 PhD positions available in the Marie Skłodowska-Curie Innovative Training Network COSINE: Computational Spectroscopy in Natural Sciences and Engineering

ORGANISATION/COMPANY

Innovative Training Network "COSINE" (H2020-MSCA-ITN-765739)

RESEARCH FIELD

Theoretical Chemistry

Theoretical Physics

Physical Chemistry

Computer Sciences

Applied Mathematics

RESEARCHER PROFILE

First Stage Researcher, Ph.D. student

APPLICATION DEADLINE

30/04/2018

LOCATION (# positions)

KTH Stockholm (2), LMU Munich (2), SNS Pisa (2), ENSCP Paris (1), DTU Lyngby (2), NTNU Trondheim (2), Heidelberg University (2), SDU Odense (1)

TYPE OF CONTRACT

Temporary

JOB STATUS

Full-time

OFFER STARTING DATE

01/09/2018 - 1/11/2018

EU RESEARCH FRAMEWORK PROGRAMME

H2020 / Marie Skłodowska-Curie Actions:

H2020-MSCA-ITN-765739

COSINE is a Marie Skłodowska Curie Innovative Training Network directly addressing the need for high-level training and career paths in Theoretical/Computational Chemistry with special emphasis on Computational Spectroscopy, which has become an important scientific pillar in chemical research. COSINE aims at devising novel theoretical tools and computational codes rooted in Electronic Structure Theory for the investigation of organic photochemistry to enable accurate simulation of spectroscopic experiments on the computer. More details on the projects and locations can be found under this link: <https://sites.google.com/site/itncosine/home>

We seek highly motivated, talented students with interest in theoretical and computational chemistry. Strong background in physical chemistry, quantum mechanics, theoretical chemistry and/or physics, applied mathematics or computer science is advantageous but not mandatory. A Master degree in chemistry, physics, mathematics, computer science, or related fields is required at the start of the Ph.D. programme, but not necessary for the application process.

The projects are generally conducted in close collaboration between two different principle investigators of COSINE in different countries, and extended stays in these groups are required. Secondments to participating industrial partners during the training program are mandatory. Due to the regulations of this EU programme, mobility is mandatory, i.e. the candidates cannot be accepted by countries, where they resided more than 12 months during the last three years. Feel free to indicate your preferred location and project in the application.

The recruitment procedure comprises two steps: selection by the researchers of the network at a recruitment meeting in Heidelberg as well as the acceptance as Ph.D. students at the local nodes. Passing both steps is mandatory.

If you are interested in working within such a stimulating, international and interdisciplinary research and training network, please send your application preferably as one single pdf-file via Email to: cosine@iwr.uni-heidelberg.de or to one of the principle investigators of COSINE as soon as possible but not later than until the 30th of April 2018.