



Faculty/Departement Mathematics, Informatics, Natural Sciences/Chemistry
Seminar/Institute Institute of Biochemistry and Molecular Biology

Universität Hamburg invites applications for a Research Associate for the project **“Transcription and translation burden in circuit production in *E. coli* and *S. cerevisiae*”** in accordance with Section 28 subsection 3 of the Hamburg Higher Education Act (Hamburgisches Hochschulgesetz, HmbHG). The position commences on 01.03.2018.

The above project is running within the framework of the EU Marie Skłodowska-Curie Action European Training Network (ETN) **SynCrop** (<http://www.syncrop.org>). The position of the Early Stage Researcher (ESR) is remunerated at the salary level in accordance with the regulations for ESRs in EU ITNs

(http://ec.europa.eu/research/participants/data/ref/h2020/other/guides_for_applicants/h2020-guide-appl16-msca-itn_en.pdf) and calls for 39 hours per week.

The fixed-term nature of this contract is based upon Section 2 of the Academic Fixed-Term Labor Contract Act (Wissenschaftszeitvertragsgesetz, WissZeitVG). The term is fixed to three years.

The University aims to increase the number of women in research and teaching and explicitly encourages qualified women to apply. Equally qualified female applicants will receive preference in accordance with the Hamburg Equality Act (Hamburgisches Gleichstellungsgesetz, HmbGleiG).

Responsibilities:

Duties include academic services in the project named above. Research associates can also pursue independent research and further academic qualifications.

Specific Duties:

SynCrop team brings together ten European academic partners and six companies in the field. The Early-Stage Researcher (ESR) fellow will be trained at doctoral-level including modules of transferable and presentation skills, participation in international conferences, and outreach activities. ESR experimental work will focus on investigating modular and tunable synthetic genetic circuits to control and foster the development of novel production platforms for food additives (e.g. vitamins and carotenoids). The experimental part will be performed in the Group of Biochemistry and Molecular Biology at the University of Hamburg. The modelling will be pursued in close connection with the three modelling groups within the ETN consortium.

Requirements:

A Master of Science or an equivalent university degree in molecular biology, quantitative biology or related is required with focus on experimental development of the genetic synthetic cir-



cuits. Furthermore, experience in modelling bacterial behavior (e.g. growth and physiological activities) is desired. Applicants must be proficient in both written and spoken English and will be expected to spend secondment periods at other European partner sites.

According to EU mobility rules, the ESR researchers must not have resided or carried out their main activity (work, studies, etc.) in Germany for longer than 12 months in the 3 years immediately prior to their recruitment. Early-Stage Researchers are defined as those who are, at the time of selection, in the first four years (full-time equivalent) of their research careers after obtaining the Master degree formally entitling to embark on a doctorate. .

Severely disabled applicants will receive preference over equally qualified non-disabled applicants.

Please apply via the homepage (<http://www.syncrop.org>) or the email: syncrop@chemie.uni-hamburg.de. For further information, consult this recruitment website (<http://www.syncrop.org>) or contact Prof. Dr. Zoya Ignatova (zoya.igantova@uni-hamburg.de). Applications should include a cover letter, curriculum vitae, and copies of degree certificate(s). The application deadline is 22nd February 2018.