



H2020-MSCA-ITN-2018: Marie Skłodowska- Curie Innovative Training Networks



synBIOcarb "Synthetic biology of carbohydrate-binding proteins: engineering protein-carbohydrate interactions for diagnostics and cell targeting"

Grant agreement n°: 814029

ESR Position: Development of lectin kit for quality control in production of recombinant glycoprotein (Advert link on Euraxess : <https://euraxess.ec.europa.eu/jobs/357622>)

Applications are invited for a 36 months position as early-stage researcher (ESR) to work on the Marie Skłodowska-Curie Innovative Training Network synBIOcarb (Synthetic biology of carbohydrate-binding proteins: engineering protein-carbohydrate interactions for diagnostics and cell targeting; <https://synbiocarb.science>).

The research, which will be carried out at **GLYcoDiag**, Orléans, France revolves around the development of a lectin chip covering the detection of the major undesirable glycan structures in therapeutic glycoproteins to allow real-time monitoring and control. We will clone, express and purify several lectins that have been reported in the literature to present the specificity toward glycan epitopes that may rise to unwanted immune response in production of glycosylated biopharmaceutical. Technology for biosensors will be investigated with partners.

The successful candidate will participate in the network's training activities and work placements at the laboratories of the participating academic and industrial teams (secondments planned in three other laboratories located in Denmark, Slovakia and France). Regular meetings and workshops within the EU-funded synBIOcarb International Training Network will supplement the training and support provided at GLYcoDiag. Moreover, The early-stage researcher will be recruited as PhD Student at GLYcoDiag and will be registered at the doctoral school of University of Orléans.

synBIOcarb is a major EU funded programme which brings together 14 leading European partners in a transnational network, implementing a multidisciplinary and intersectorial research and training programme between the academic and the industrial partners in the fields of synthetic glycobiology. synBIOcarb will provide a new generation of scientists with advanced scientific training in chemical synthesis, protein engineering, biophysics, cell biology and analytical device technologies that underpin the development and exploitation of glycoscience for diagnostics and targeted drug delivery.

Requirements

Applicants should meet the following eligibility criteria:

- Have a Diploma and/or a Master Degree in biochemistry/organic chemistry. Previous knowledge or experience in glycobiology is desirable.
- Have less than 4 years research experience at the signature of the contract (measured from the time the Master's degree has been obtained).
- Not have a PhD already.
- Not have resided or carried out main activity in France for more than 12 months in the last 3 years immediately prior to the reference recruitment date.
- Excellent knowledge of the English language (spoken and written / proficiency level)
- A particular experience and/or interest for applied research and working in environment of small biotech company would be an advantage.

Benefits

The ESR will be contractually employed by GLYcoDiag and will be covered under the social security scheme. He or she will receive a Monthly Living Allowance plus a Mobility Allowance compliant with the applicable EC Marie Skłodowska-Curie Actions-ITN general conditions.

Application procedure:

Candidates should submit a CV, cover letter and the names and contact details of at least 3 references by e-mail to contact@glycodiag.com indicating reference n° ITN1810 in the subject. The deadline for application is February 28th 2019.

Career Stage

Early stage researcher or 0-4 yrs (Postgraduate)

Research Profiles

First Stage Researcher (R1)

Is the job funded through the EU Research Framework Programme?

H2020/Marie Curie Actions

Project's Marie Curie Grant Agreement Number

81402