

ESR 15 Project Information Sheet

Project Title	<i>Implementation of efficient controlled polypeptide synthesis under validated technologies</i>
Reference number	BIOMOLMACS_ESR_15
Host Institution/Company	Polypeptide Therapeutic Solutions / CIPF
Supervisor(s)	Dr. Vicent J. Nebot
Research Group	Polypeptide Therapeutic Solutions
Department/School	CIPF
Duration	36-months full-time employment contract provided and ESR enrolled on 4- year structured PhD. ESR may be required to self-fund after the initial 36 months for successful completion of the PhD program at the CIPF
Funding information	Funding agency: H2020-MSCA-ITN-2019 (Proposal no:859416)
Early Stage Researcher Salary and Allowances	Living allowance: approximately €40,000/year + mobility allowance of €7,200/year + family allowance where applicable (all values before tax and social security payments) This calculation is to give you an idea about the level of funding. The actual salaries can be found on the official job application link below.
Pre-application closing date	28 th of February 2020
Official application closing date	15 th of March 2020
Start date	1 st of April 2020 or as soon as thereafter
Official job application link*	https://pts-polypeptides.com/contact

**The pre-application form should be submitted to biomolmacs@gmail.com by latest 28th of February 2020. Following the initial eligibility assessment, the applicants will be requested to submit their applications using the links provided specific to each institution/company.*

Post Summary

Brief description of the project:

ESR15 will focus on the scale up sequence specific polypeptidic carriers (amphiphilic copolymers as well as Proline-rich carriers) and establishment of validated physico-chemical characterization methodologies. Validated analytical technologies will be developed to get the identity of such carriers to achieve a Characterization form acceptable for regulatory agencies (this will include among others Mw and pdi by NMR, GPC, DLS, % cationic impurities by ionic chromatography) Also during secondments any secondary structure achieved by the polypeptidic carriers will be explored.

Further information on the research interests of Dr. Vicent J. Nebot can be found on their website.

<https://pts-polypeptides.com>

Standard duties and responsibilities of the ESR

For the 36 months of employment contract the ESR will be required to work exclusively on the MSCA ITN programme (BIOMOLMACS). In all cases, all duties and responsibilities will be clearly outlined in the researchers Personal Career Development Plan, as determined in the early stages of the project between the ESR and their supervisory committee.

Person Specification

Qualifications

Essential

Applicants should hold or expect to attain, as a minimum a 2:1 Honours degree, or equivalent, in Chemistry, Materials Science, Analytical Chemistry, Organic Chemistry, Biomedical Science, Polymer Chemistry, Pharmaceuticals or related area.

Knowledge and Experience

Essential

- Research project carried out in at least one of the above disciplines.
- A demonstrated knowledge of at least three of the following: pharmaceutical formulation development, drug delivery, cell culture/molecular biology, nanotechnology, polymerisation techniques.

Desirable

Work placement undertaken in an industry related to the above disciplines

Skills and Competencies

Essential

- Applicants whose first language is not English must submit evidence of competency in English, please see CIPF's English Language Requirements for details.
- Evidence of interest, aptitude and research experience in the above disciplines.

Further information

For any informal queries, please contact Dr. Vicent J. Nebot by email at

vnebot@pts-polypeptides.com

For queries relating to the application and admission process please contact

Dr Gokhan Yilmaz at biomolmacs@gmail.com

Website: www.biomolmacs.com
