

Project Description

ReCover Ltd. is seeking to recruit an Early Stage Researcher (ESR) with background in Engineering, Material Sciences, Physics and/or Chemistry. The successful candidate will be working on bottom-up methods for synthesis nanoparticle-based materials for anticorrosion applications, and at the same time could enrol for a PhD degree (see details below) on the same topic at the Cyprus Institute (CyI).

The aim of this ESR will be the development of self-healing coatings that can enhance polymeric coatings applied on metallic structures and prolong their lifetime. The self-healing coatings will be solutions containing prefilled healing agents within capsule-based containers having dimensions in the nanoscale. Following the synthesis of nanocapsules containing eco-friendly healing agents, the ESR will evaluate their size, size distribution and morphology, as well as the anticorrosion properties and self-healing of the coating including capsule-containing.

About ReCover Ltd.

ReCover Ltd. is a spin-in company created via cooperative developments and generation of IPR together with the CyI, with the aim to tackle one of the biggest challenge in manufacturing industry: i.e., to develop nature-inspired self-healing materials to meet emerging strict environmental regulations and high raw materials and production costs. Motivated by the impact our technology could make, we have been working hard in obtaining a first major financing via Pre-Seed programme («Restart 2016-2020») and are now looking for an enthusiastic ESR to help modulate self-healing composites through the combined use of nanotechnology and biomaterials.

Working environment

Working as a ReCover ESR comes with a number of benefits:

- A multidisciplinary research endeavour of great technological, industrial, environmental importance
- A great involvement/visibility in decision making
- Leverage market value for an equity position within the new company
- A thorough scientific education in the frame of a doctoral training program that could be arranged between the two partners of the project: ReCover Ltd. and the CyI

Depending on the desire of the successful candidate and his performance in the first six months, he/she could enrol for a PhD degree in Energy, Environment and Atmospheric Sciences at the CyI.

More Information

Candidates are required to have a Master's degree in Chemical Engineering, Physics, Chemistry, Materials Science or any other relevant discipline. Previous research experience, although appreciated, is not mandatory. Candidates should have excellent technical and analytical skills as well as inter-personal and communication (both written and oral) skills. Candidates must be highly-motivated with the ability to set and meet deadlines appropriate to the progress of the project. Further, experience of project planning within a research or development environment and experience of conducting original research that has been

published in high quality journals will be highly considered. Willingness to travel internationally for the purpose of research, training and dissemination is mandatory.

The ESR will be contractually employed for 12 months by ReCover Ltd., and will be covered under the social security scheme of Cyprus. In the event that this position will lead to a PhD at the CyI, the candidate will be able to apply for a 3-year scholarship that will cover all expenses of his/her studies. Candidates matching the required profile will be evaluated until a successful candidate is appointed.

Contact Information

Please direct enquiries to Dr. Georgios Kylafis (mail: giorgos.kylafis@yahoo.gr)

You can seek further information for applying for this position, by sending your CV and motivation letter to Dr Georgios Kylafis at the above email address.