



UNIVERSITÀ DEGLI STUDI DI MILANO

DIPARTIMENTO DI CHIMICA



MSCA-ITN-2014-ETN: Marie Skłodowska-Curie Innovative Training Networks (ITN-ETN)



IMMUNOSHAPE "Development of Selective Carbohydrate Immunomodulators Targeting C-type Lectin Receptors on Antigen Presenting Cells"

ESR Position: Synthesis of glycomimetics library

Applications are invited for a 36 months position as early-stage researcher (ESR) to work on the Marie Skłodowska-Curie Innovative Training Network IMMUNOSHAPE (Selective Carbohydrate Immunomodulators targeting C-type Lectin Receptors on Antigen Presenting Cells).

The research, which will be carried out at the University of Milan - Italy (Chemistry Department), revolves around the generation of microarrays of glycomimetics and their analysis for interaction with C-type lectins. The candidate will synthesize the library in Milan and will collaborate with the CIC biomaGUNE of S. Sebastian (Spain) for the array preparation and analysis.

The successful candidate will be enrolled in the PhD School of Chemistry at the University of Milan. She/he will participate in the network's training activities and work placements at the laboratories of the participating academic and industrial teams. Regular meetings and workshops within the EU-funded IMMUNOSHAPE International Training Network will supplement the training and support provided at the University of Milan.

IMMUNOSHAPE is a major EU funded programme which brings together 13 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 biomedical glycoscience. IMMUNOSHAPE aims at training a new generation of scientists that will be capable of combining state of the art synthesis and screening technology to develop new lead structures for highly selective glycan based multivalent immunotherapeutics for the treatment of cancer, autoimmune diseases and allergy.

Requirements

Applicants should meet the following eligibility criteria:

- Have a Master Degree in Chemistry.
- Have less than 4 years research experience at the signature of the contract (measured from the time the Master degree has been obtained).
- Not have a PhD already.
- Not have resided or carried out main activity in Italy 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)
- Experience in Organic Synthesis and Carbohydrate Chemistry will be a plus



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Benefits

The ESR will be contractually employed by the University of Milan 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 2 references by e-mail to anna.bernardi@unimi.it indicating "Application ETN-Immunoshape" in the subject.

The **deadline for application is 20/02/2015**. Candidates are expected to start their contract in Milan in May 2015.