



Diomune SL
C/ Félix Boix Nº9 4ºC
28036 MADRID

PhD position in DIOMUNE SL company within the Marie Curie ITN EU project 642157 – TOLLerant (Toll-Like Receptor 4 activation and function in diseases: an integrated chemical-biology approach)

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

Call: H2020-MSCA-ITN-2014

ACRONIM: TOLLerant

TITLE: Toll-Like Receptor 4 activation and function in diseases: an integrated chemical-biology approach.

WEBSITE: www.tollerant.eu

EU project 642157;

ESR Position: Training in biochemistry and structural biology.

Main Objective: Analysis of TLR4 activity of non-toxic LPS analogues/derivatives recently discovered by DIOMUNE. Formulation of LPS analogues as NP, polymers, liposomes, delivery studies. Binding properties in vitro, assessment of in vivo activity on animal models of sepsis.

Applications are invited for 36 months position as early stage researcher (ESR) to work on the Marie Skłodowska-Curie Innovative Training Network **TOLLerant**: "Toll-Like Receptor 4 activation and function in diseases: an integrated chemical-biology approach"

TOLLerant is a EU funded program based on an international collaboration between 15 leading EU partners involved in a transnational network. Tollerant program relays on consolidated group interactions and synergies and on a unique combination of chemistry, biology, biophysics, biochemistry and pharmacology expertise.

The TOLLerant project aims to gain information on molecular aspects of TLR4 activation and signaling by using synthetic and natural compounds and nanoparticles that interact selectively with components (mainly MD-2 and CD14) of the TLR4 recognition system.

JOB DESCRIPTION

The research will be carried out at the Research and Development Department of Diomune SL and will involve in the characterization of the immune response to several immunomodulators via TLR. These drugs will be use in different in vitro models, and the selected drugs will be tested in infectious or inflammatory animal models.



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The project includes the Internacional collaboration and 1 external phase of 3 months with another Project partner.

The successful candidate will be enrolled in the PhD training programme of Autonomous University of Madrid. The candidate should have a Masters in Chemistry, Biology, Biotechnology or Pharmacy.

The successful candidate will participate in the network's training activities and work placements at the laboratories of TOLLerant ITN participating teams; meetings and workshops will be organized within EU-funded TOLLerant ITN.

More information in www.tollerant.eu

PERSON SPECIFICATION

Requirements

Applicant should meet the following eligibility criteria:

- Have a Diploma and/or a Master Degree in Chemistry, Biology, Biotechnology or Pharmacy.
- Have less than 4 years research experience at the signature of the contract (measured from the time the Master's degree has obtained)
- Not have a PhD already
- **Not have resided or carried out main activity in Spain for more than 12 months in the last 3 years immediately prior to the reference recruitment data**
- Excellent knowledge of English language, spoken and written.

Desirable

- Animal handling permits, experience in cell culture and expertise in Bioorganic chemistry, analytical methodologies is highly desirable.
- Experience in cell cultures and Immunological skills.
- Experience in Spectrofotometry of Mass.
- Experience in infectious or inflammatory animal models.

Main responsibilities

The range of duties will include:

- Plan and manage own research activity.
- Follow the doctoral PhD Training Programmes of Autonomous University of Madrid.
- Continually update knowledge and understanding in the field.



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Benefits

The ESR will be contractually employed by Diomune SL under ITN rules and will be covered under the social security scheme.

SALARY: According to the MSCA-ITN rules of Horizon 2020 program, € 3110/month (gross amount, adjusted to country coefficient) + Mobility + Family Allowance (if applicable).

Application procedure:

Candidates should submit a CV (personal details, academic/education history, research experience, experimental skills, publications etc), cover letter and names and contact details of at least 3 references by mail to: info@diomune.com indicating references **TOLLerant-DIOMUNE** in the subjects.

Deadline is 15/04/2015.

Career Stage

Early stage researcher or 0-4 yrs (Post graduate)

Research Profiles

First Stage Researcher (R1)

A handwritten signature in black ink, appearing to read "Miguel Ángel Llamas Matías".

Miguel Ángel Llamas Matías PhD, MBA.
Manager Director

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