

ERASMUS TRAINEESHIP OFFER DESCRIPTION

Enterprise/Organization	
Name	ITQB-NOVA Universidade Nova de Lisboa
Address (street, postal code, city)	Avd da Republica, Oeiras
Country	Portugal
Name and details of the person to be contacted (phone, fax, email)	Dr. Ana Petronilho, Phone: +3512144691716 Email: ana.petronilho@itqb.unl.pt
Website	www.itqb.unl.pt

Job description	
Type of work	Research Internship
Description of tasks	<p>The student will develop a research project devoted to chemical synthesis of biologically relevant molecules, derived from DNA, with the aim of developing new anti-cancer agents.</p> <p>Tasks will comprise:</p> <ul style="list-style-type: none"> • Utilization of Synthetic Methodologies using inert atmosphere. • Utilization of characterization techniques such as Nuclear Magnetic Resonance, Mass Spectrometry and Infrared Spectroscopy. • Writing of Progress Reports • Writing of Synthetic procedures
Competences to be acquired	<p>The student will acquire skills in the following areas:</p> <ul style="list-style-type: none"> - Design and development of synthetic methodologies for the synthesis of transition metal complexes - Synthetic procedures using inert atmosphere: Schlenk techniques - Characterization of Organometallic compounds using: <ul style="list-style-type: none"> • Nuclear Magnetic Resonance • Mass Spectrometry • Infrared Spectrometry - Report writing and Elaboration of Synthetic Procedures <p>The student will be involved in a <i>state-of-the-art</i> project and will develop key synthetic skills that can later be applied in R&D in an academic or industrial environment.</p>

Required periods	
Duration of training	3 to 9 months
Earliest and latest starting date	To agree with student

Requirements for the students	
Preferred field of studies	Chemistry
Language skills	English (Basic)
IT skills	-
Other knowledge and skills	-

Facilities guaranteed by the host enterprise	
Salary and benefits	-
Accommodation	-
Canteen	-

Any other relevant information	

How to apply and deadline

Contact ana.petronilho@itqb.unl.pt for further details