

NORMATIVA DE CONTRACTACIÓ DEL PERSONAL INVESTIGADOR PREDOCTORAL EN FORMACIÓ DE LA UNIVERSITAT DE BARCELONA AMB CÀRREC A FINANÇAMENT DE PROJECTES O CONTRACTES DE RECERCA

EURAXESS – Job offer

Mandatory *

Optional

Basic information*

Title*	<p>Predocctoral position in Physical Organic Chemistry: Photochemical Autocatalysis and Oscillatory Reactions - SYNAPS - (Position 3)</p> <p>Nº GA 101076014</p>			
Offer description*	<p><i>Project title, Acronym, description, responsibilities, functions and/or tasks of the position, IP, research group, etc.</i></p> <p>The PhD position will be carried out in the Limburg Lab at the University of Barcelona, a young ambitious group with a friendly atmosphere. We offer a great research environment in which you will be able to develop yourself as a young researcher under guidance of a young, but experienced, supervisor. More information about the research group can be found on www.limburglab.com. The PhD will be carried out in the framework of the Organic Chemistry Doctoral School (http://www.qo.ub.edu/doctoratqo/en/), which allows for scientific training, regular seminars of world-renowned chemists, and an external progress monitoring system to ensure the highest quality of the doctoral project. The position deals with the multistep synthesis of organic compounds and afterwards the study of their properties and application within the SYNAPS project.</p> <p>The PhD student will research new autocatalytic and oscillatory reactions, using light as a driving force and mediator. Development of light-driven oscillations will have great impact on the development of new chemistry-driven signalling, computation, and mimicking biological function. The reactions will be analysed with <i>in situ</i> UV-vis spectroscopy, either steady-state or transient, IR-spectroscopy and NMR. Some organic synthesis will be performed to produce the reaction components. The PhD student will also learn to design scripts to model the reaction network in order to understand the complex reactivity.</p> <p>Gross salary per year: 17.823,96 €.</p>			
Researcher Profile*	X	First Stage Researcher (R1)		
Research field*		Agricultural sciences	Educational sciences	Literature
<i>Select one</i>		Anthropology	Engineering	Management sciences
		Architecture	Environmental sciences	Technology
		Arts	Ethics in health sciences	Religious sciences
		Astronomy	Ethics in natural sciences	Sociology
		Biological sciences	Ethics in physical sciences	Physiological sciences
	X	Chemistry	Ethics in social sciences	Neurosciences
		Communication sciences	Geography	Pharmacological sciences
		Computer science	Geosciences	Mathematics
		Criminology	History	Philosophy
		Cultural studies	Information science	Medical sciences
		Demography	Juridical sciences	Political sciences
		Economics	Language sciences	Physics



	All	Other:
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Contract details and dates*

Type of contract*	Temporary	Job status*	Full-time	Offer Starting Date* <i>Date from which the job will start</i>	01/09/2024
Application Deadline*					
Date*	03/07/2024	Time*	23:59	Timezone*	Madrid (Europe)

Job funding information*

Is the job funded through a EU Research Framework Programme?* <i>Select one</i>	Digital Europe		FP7 / People-Maire Curie Actions COFUND
	European Union / Next Generation EU		H2020
	LIFE Programme		H2020 / ERC
	<i>Not funded by an EU programme</i>		H2020 / EIT
	Interreg		FP7
	ERASMUS+		HE
	H2020 / Marie Sklodowska-Curie Actions COFUND	X	HE / ERC
	H2020 / Marie Sklodowska-Curie Actions		HE / EIC
	H2020 / SME Innovation Associate		HE / EIT
	FP7 / People-Maire Curie Actions		HE / MSCA
	FP7 / JRC		HE / MSCA COFUND
FP7 / Ideas-ERC		HE / SME Innovation Associate	
Reference number	Nº GA 101076014		

Science4Refugees	This position is at a refugee-welcoming organization? Not
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Is the Job related to staff position within a Research Infrastructure	Not
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How to apply *	<input type="checkbox"/> e-mail	<input checked="" type="checkbox"/> website	http://www.ub.edu/caiac/solBeca?idConvocatoria=50138
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Internal application form needed*	
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Hiring Organisation & Offer Posting Contact Details*

Organisation/Company*	Universitat de Barcelona
Organisation Type*	Higher Education Institute
Department*	Inorganic and Organic Chemistry, Section of Organic Chemistry
Country*	Spain
E-Mail	blimburg@ub.edu
Website	www.limburglab.com

Work locations*

Number of offers available*	1				
Company/Institute*	Facultat de Química, Universitat de Barcelona				
Country*	Spain	City*	Barcelona	Postal code	08028
Street	Carrer Martí I Franquès 1				



Requirements*

Education Level -		Agricultural sciences	Educational sciences	Literature	
	Research field*		Anthropology	Engineering	Management sciences
			Architecture	Environmental sciences	Technology
			Arts	Ethics in health sciences	Religious sciences
			Astronomy	Ethics in natural sciences	Sociology
			Biological sciences	Ethics in physical sciences	Physiological sciences
		X	Chemistry	Ethics in social sciences	Neurosciences
			Communication sciences	Geography	Pharmacological sciences
			Computer science	Geosciences	Mathematics
			Criminology	History	Philosophy
			Cultural studies	Information science	Medical sciences
			Demography	Juridical sciences	Political sciences
			Economics	Language sciences	Physics
			All	Other:	
Education Level*		Master Degree or equivalent in Chemistry			
Skills/Qualifications*	Hold a MSc in Chemistry and fulfil the requirements to be admitted into the Organic Chemistry PhD program at the Universitat de Barcelona. For more information: https://www.ub.edu/escoladoctorat/en/access-and-admission/access-pathways-and-requirements				
Specific requirements	<ul style="list-style-type: none"> • Ability to execute a research project • Experience with kinetic studies • Experience with spectroscopy 				
Required languages*	Language		Level		
	English		Excellent		

Required Research Experience

Research field		Agricultural sciences	Educational sciences	Literature
		Anthropology	Engineering	Management sciences
		Architecture	Environmental sciences	Technology
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		Cultural studies	Information science	Medical sciences
		Demography	Juridical sciences	Political sciences
		Economics	Language sciences	Physics
		All	Other:	

Additional information*

Website(s) for additional job details*

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Benefits*	A full-time work contract (37.5 hrs/week). The researcher will have the possibility to participate in teaching activities for professional development (not obligatory, though).
Eligibility criteria*	A specific committee will evaluate the applications using the following criteria: <ul style="list-style-type: none">- Grade point average of the academic transcripts from the applicant's bachelor's or master's degree studies (or 1st and 2nd cycle): up to 5 points out of a total of 10.- Curricular merits: up to 1 point out of a total of 10 in accordance with the specific criteria listed in Annex 1.- Suitability for the tasks to be performed within the framework of the research project or research support position to which the successful candidate will be attached: up to 4 points out of a total of 10.
Selection process*	<p>The specific committee will agree upon an award proposal and draw up a prioritized shortlist of candidates who have achieved a minimum of five points or declare the call for applications null and void if none of the applicants reach the minimum score.</p> <p>The award proposal will be published in the UB's electronic office and must include the total scores of the candidates that have received a total of at least five points.</p> <p><u>Application Process:</u></p> <p>According to the specific requirements and selection criteria, the candidates are expected to provide at least the following documents:</p> <ul style="list-style-type: none">• Full CV• BSc and MSc academic transcripts <p>IMPORTANT:</p> <ul style="list-style-type: none">• For studies completed abroad, applicants must submit their equivalent grade point average as per the grading scale for Spanish universities: Equivalence of average grades of university studies carried out in foreign centers - (universidades.gob.es)
Additional comments*	<p>The candidate proposed for hiring must accept the job offer within 10 working days from the date of notification of the selection.</p> <p>Be aware that the starting date sets in this offer is an estimate date. The official starting date will depend on the time necessary for administration to prepare the labour contract and present the necessary documents for the selected candidate to be hired.</p> <p>Priority will be given to people with disabilities (Law 89/2015 of June 2, reserve of quota 2% in favour of people with disabilities in companies of 50 or more people).</p> <p>For additional information regards this offer, please, contact: blimburg@ub.edu</p>