

## Euraxess Job offer

Mandatory	Optional
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### Project information

Acronym & GA N°	SYNAPS - 101076014	UB Project N° (N° Fons)	I1RN002491
Project title	Synthetic Neurons and Artificial Photoactivated Synapses		
IP	Dr Bart Limburg		
Department	Inorganic and Organic Chemistry Department, Faculty of Chemistry		

### Basic information

#### Job description

Title	PhD student in Physical and Synthetic Organic Chemistry_SYNAPS (Position 2)		
Offer description <i>Project description, responsibilities, functions and/or tasks of the position, PhD program, etc.</i>	<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 <a href="http://www.limburglab.com">www.limburglab.com</a>. The PhD will be carried out in the framework of the Organic Chemistry Doctoral School (<a href="http://www.qo.ub.edu/doctoratqo/en/">http://www.qo.ub.edu/doctoratqo/en/</a>), 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 deal with the multistep synthesis of organic compounds and afterwards the study of their properties and application within the SYNAPS project.</p> <p><b>The PhD student will synthesize amphiphilic molecules able to supramolecularly connect liposomes (either LUVs or GUVs).</b> They will develop optimal conditions for stable aggregation of liposomes and characterize the cavities that form in between the liposomes. The first year will be devoted to organic synthesis, and afterwards more time will be spent on characterization techniques such as DLS, Z-potential, and microscopy, and the use of the inter-liposomal volumes to perform photochemical reactions in confined spaces.</p>		
Researcher Profile <i>Select one</i>	<input checked="" type="checkbox"/>	First Stage Researcher ( <i>PhD candidate or equivalent, experience less than 4 years</i> )	
	<input type="checkbox"/>	Recognised Researcher ( <i>PhD holder or equivalent, experience more than 4 years, not fully independent</i> )	
	<input type="checkbox"/>	Stablished Researcher ( <i>Established researcher with a developed level of independence</i> )	
	<input type="checkbox"/>	Leading Researcher ( <i>Leading his/her area or field</i> )	
Research field <i>Select one</i>	<input type="checkbox"/>	Agricultural sciences	Educational sciences
	<input type="checkbox"/>	Anthropology	Engineering
	<input type="checkbox"/>	Architecture	Environmental sciences
	<input type="checkbox"/>	Arts	Ethics in health sciences
	<input type="checkbox"/>	Astronomy	Ethics in natural sciences
	<input type="checkbox"/>	Biological sciences	Ethics in physical sciences
	<input checked="" type="checkbox"/>	Chemistry	Geography
	<input type="checkbox"/>	Communication sciences	Geosciences
	<input type="checkbox"/>	Computer science	History
	<input type="checkbox"/>	Criminology	Information science
	<input type="checkbox"/>	Cultural science	Juridical sciences
	<input type="checkbox"/>	Demography	Language sciences
	<input type="checkbox"/>	Economics	Other
	<input type="checkbox"/>		Literature
	<input type="checkbox"/>		Technology
	<input type="checkbox"/>		Religious sciences
	<input type="checkbox"/>		Sociology
	<input type="checkbox"/>		Physiological sciences
	<input type="checkbox"/>		Neurosciences
	<input type="checkbox"/>		Pharmacological sciences
	<input type="checkbox"/>		Mathematics
	<input type="checkbox"/>		Philosophy
	<input type="checkbox"/>		Medical sciences
	<input type="checkbox"/>		Political sciences
	<input type="checkbox"/>		Physics



Gross salary per year	17.651,69 €
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### How to apply

Required documents*	- Motivation letter (max 1 A4). - Curriculum vitae including publication list and two possible references (max 2 A4).	
Send your application to:	Website*	<a href="#">Instancia genérica (ub.edu)</a>
	Name	
	email subject*	

### Work conditions

Type of contract	Temporary			Hours per week	37,5h
Job status <i>Select one</i>	<input checked="" type="checkbox"/> full-time	<input type="checkbox"/>	part-time	Job Starting Date	01-10-2023 (planned date)
Application deadline	13-07-2023				

### Funding

Is the job funded through an EU Research Framework Programme? <i>Select one</i>	H2020 / Marie Sklodowska-Curie Actions COFUND		HE / Marie Sklodowska-Curie Actions COFUND
	H2020 / Marie Sklodowska-Curie Actions		HE / Marie Sklodowska-Curie Actions
	H2020 / ERC	<input checked="" type="checkbox"/>	HE / ERC
	H2020 / EIT		HE / EIT
	H2020		HE
If not, indicate the fund program and organization			
Science4Refugees			

### Hiring Organisation

Contact Person:	Name	Bart Limburg
	email	<a href="mailto:blimburg@ub.edu">blimburg@ub.edu</a>
	Phone	-
	Mobile phone	-

### Work location

Department / Centre	Inorganic and Organic Chemistry Department, Faculty of Chemistry, University of Barcelona		
City	Barcelona, Spain		
Street	Carrer Martí I Franquès 1-11	Postal Code	08028

### Requirements

Required Education Level <i>Select one</i>	<input type="checkbox"/>	Bachelor Degree or equivalent
	<input checked="" type="checkbox"/>	Master Degree or equivalent
	<input type="checkbox"/>	PhD or equivalent



Skills/Qualifications	<ul style="list-style-type: none"> <li>- Experience in synthetic organic chemistry is a must, including characterisation techniques such as NMR, MS.</li> <li>- Excellent command of English both written and spoken. Spanish and/or Catalan is a bonus, but not a requirement.</li> <li>- Ability to work in a multicultural and interdisciplinary environment. We work as a team, not a collection of individuals.</li> </ul>	
Specific requirements	<ul style="list-style-type: none"> <li>- Experience in supramolecular chemistry and/or soft matter chemistry is highly desired.</li> <li>- Experience in liposomal synthesis is desired.</li> </ul>	
Required languages	Language	Level
	English	Basic/Good/Excellent/Mother tongue
		Excellent

### Additional information

Website for additional job details	
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### Selection process

Eligibility criteria	<p>Must have a Master's degree in Chemistry Must have a permit to work in Spain Specific criteria can be further found at the following website: <a href="http://www.qo.ub.edu/doctoratqo/en/admissions.html">http://www.qo.ub.edu/doctoratqo/en/admissions.html</a></p> <ul style="list-style-type: none"> <li>• Average grade of the academic file of undergraduate and master's studies (or 1st and 2nd cycles): up to 5 points out of a total of 10.</li> <li>• Curricular merits: up to 1 point out of a total of 10 in accordance with the specific criteria linked in annex 1.</li> <li>• Suitability to the tasks to be carried out as part of the project or research aid to which it would be linked: up to 4 points out of a total of 10.</li> </ul>
Selection process	<p>A maximum of 1 month after the deadline you will be notified on the outcome of your application. Interviews will be held either remotely or in person during August 2023 and you will be notified no more than a week after the interview.</p>

### Additional comments

<p><b>Duration of the contract of employment:</b> 12 months, renewable up to a maximum of 4 years.</p> <p>The candidate proposed for hiring must accept the job offer within <b>5 working days</b> from the date of notification of the selection.</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). Be aware that the starting date sets in this offer is an estimate date. The official starting date will depend on the bureaucratic time that will take the preparation of the labour contract and presentation of the necessary documents to be hired by the selected candidate.</p> <p>For additional information regards this offer, please, contact: <a href="mailto:blimburg@ub.edu">blimburg@ub.edu</a></p>
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