



PROCEDIMENT DE SELECCIÓ DE PERSONAL INVESTIGADOR POSTDOCTORAL CONTRACTAT A CÀRREC DE FINANÇAMENT FINALISTA O A CÀRREC DE FINANÇAMENT DE POLÍTIQUES DE LA UNIVERSITAT DE BARCELONA

Euraxess – Job offer

Mandatory \*

Optional

**Project information**

Acronym*	HoloGW
Project title*	"Holography in the Gravitational Wave Era"
IP*	Dr. David Julian Mateos Sole
Department*	Department of Quantum Physics and Astrophysics

**Basic information**

**Job description**

<b>Title*</b>	<p>Postdoctoral position in Holographic Applications to Gravitational Waves - HoloGW</p> <p>Nº GA 101141909</p>																																											
<b>Offer description*</b>	<p>The tasks are all of a theoretical nature and may include: development of holographic and hydrodynamic models and codes with applications to cosmological phase transitions; determination of gravitational waves produced in cosmological phase transitions and in neutron star collisions; design of neural networks applied to gravitational physics; study of holographic models with dynamical boundary gravity, including evaporation of black holes; applications of the large-D approximation to gravity; calculation of black hole and black branes quasinormal modes; explorations of (possible violations of) cosmic censorship.</p>																																											
<b>Researcher Profile*</b>	<input checked="" type="checkbox"/>	<p>Recognised Researcher (<i>PhD holder or equivalent, experience more than 4 years, not fully independent</i>)</p>																																										
<b>Research field*</b>	<table border="1"> <tr> <td>Agricultural sciences</td> <td></td> <td>Educational sciences</td> <td>Literature</td> </tr> <tr> <td>Anthropology</td> <td></td> <td>Engineering</td> <td>Technology</td> </tr> <tr> <td>Architecture</td> <td></td> <td>Environmental sciences</td> <td>Religious sciences</td> </tr> <tr> <td>Arts</td> <td></td> <td>Ethics in health sciences</td> <td>Sociology</td> </tr> <tr> <td>Astronomy</td> <td></td> <td>Ethics in natural sciences</td> <td>Physiological sciences</td> </tr> <tr> <td>Biological sciences</td> <td></td> <td>Ethics in physical sciences</td> <td>Neurosciences</td> </tr> <tr> <td>Chemistry</td> <td></td> <td>Geography</td> <td>Pharmacological sciences</td> </tr> <tr> <td>Communication sciences</td> <td></td> <td>Geosciences</td> <td>Mathematics</td> </tr> <tr> <td>Computer science</td> <td></td> <td>History</td> <td>Philosophy</td> </tr> <tr> <td>Criminology</td> <td></td> <td>Information science</td> <td>Medical sciences</td> </tr> </table>				Agricultural sciences		Educational sciences	Literature	Anthropology		Engineering	Technology	Architecture		Environmental sciences	Religious sciences	Arts		Ethics in health sciences	Sociology	Astronomy		Ethics in natural sciences	Physiological sciences	Biological sciences		Ethics in physical sciences	Neurosciences	Chemistry		Geography	Pharmacological sciences	Communication sciences		Geosciences	Mathematics	Computer science		History	Philosophy	Criminology		Information science	Medical sciences
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Communication sciences		Geosciences	Mathematics																																									
Computer science		History	Philosophy																																									
Criminology		Information science	Medical sciences																																									



	Cultural science	Juridical sciences	Political sciences
	Demography	Language sciences	<input checked="" type="checkbox"/> <b>Physics</b>
	Economics	Other	

<b>Gross salary per year*</b>	47.286,72 €
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### How to apply

<b>Required documents*</b>	Application form (annex 3), Curriculum vitae, motivation letter		
<b>Send your application to:</b>	<b>Email/website*</b>	<a href="#">Instancia genérica (ub.edu)</a>	
	<b>Name</b>		
	<b>email subject*</b>	HoloGW N° GA 101141909 – Postdoctoral position	

### Working conditions

<b>Type of contract*</b>	Temporary			<b>Hours per week*</b>	37,5h
<b>Job status* <i>Select one</i></b>	<input checked="" type="checkbox"/> full-time	<input type="checkbox"/> part-time			
<b>Application deadline*</b>	18/02/2025		<b>Job Starting Date*</b>	15/04/2025	

### Funding

<b>Is the job funded through a EU Research Framework Programme?*</b> <i>Select one</i>		H2020 / Marie Skłodowska-Curie Actions COFUND	FP7 / People-Maire Curie Actions COFUND
		H2020 / Marie Skłodowska-Curie Actions	FP7 / People-Maire Curie Actions
		H2020 / ERC	FP7 / Ideas-ERC
		H2020 / EIT	FP7 / JRC
	<input checked="" type="checkbox"/>	HE-ERC	FP7
<b>If not, indicate the fund program and organization*</b>			
<b>Science4Refugees*</b>			

### Hiring Organisation

<b>Contact Person:</b>	<b>Name</b>	Dr. David Julian Mateos
	<b>email</b>	<a href="mailto:dmateos@fga.ub.edu">dmateos@fga.ub.edu</a>
	<b>Phone</b>	
	<b>Mobile phone</b>	

### Work location

<b>Department/Centre*</b>	Department of Quantum Physics and Astrophysics, Faculty of Physics - Universitat de Barcelona		
<b>City*</b>	Barcelona		
<b>Street</b>	Martí i Franquès, 1	<b>Postal Code</b>	08028



## Requirements

<b>Required Education Level*</b> <i>Select one</i>	<b>X</b>	PhD or equivalent
Skills/Qualifications	Expertise in the aspects necessary to optimally carry out the functions specified above.	
Specific requirements		
Required languages	Language	Level
		<i>Basic/Good/Excellent/Mother tongue</i>

## Additional information

Website/s for additional job details*	
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## Selection process

Eligibility criteria*	<ul style="list-style-type: none"> <li>· CV (10/100)</li> <li>· Motivation letter (5/100)</li> <li>· Match between the candidate and the research project (85/100)</li> </ul> <p>Minimum score to pass the selection process: 85/100 points.</p>
Selection process	<p>An interview will be conducted if the evaluation committee deems it necessary.</p> <p>Required documentation:</p> <ul style="list-style-type: none"> <li>• CV (include contact details of people from whom references or reports can be requested)</li> <li>• Motivational letter</li> <li>• Registration form (Appendix 3)</li> </ul> <p>*Be in possession of the doctor's degree at the time of the formalization of the contract.</p>

## Additional comments\*

<p>Duration of the contract of employment: 12 months, renewable up to 31/12/2029.</p> <p>The candidate proposed for hiring must accept the job offer within <b>3 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).</p> <p>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 Dr. David Julian Mateos: <a href="mailto:dmateos@fga.ub.edu">dmateos@fga.ub.edu</a></p>
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