



3-year PhD grant in gravitational physics

The vice-rectorate for investigation and internationalization of the University of the Balearic Islands (UIB) in Palma de Mallorca, Spain, is opening a 3-year PhD grant in gravitational physics. The application deadline is the 30th of September 2020 and the preferred start date will be in November 2020. Candidates from both Spanish and international universities are welcome. A master's degree or equivalent ECTS credits are required (at contract start).

The position: The grant is for a student to work towards a PhD supervised by Beatriz Galindo distinguished researcher Dr. David Keitel in the field of gravitational physics. The GRAVITY research group at UIB is part of the LIGO Scientific Collaboration and the student will work on gravitational-wave data analysis in the areas of parameter estimation, gravitational lensing and long-duration transient signals. The exact thesis topic(s) are open to discussion based on the applicant's background and interests. The monthly salary is 1355,52€ and the initial contract will be for one year, with two annual extensions subject to satisfactory reports to the UIB graduate school.

The group and university: Besides Dr. Keitel, the [GRAVITY research group](#) includes two senior LSC members (Profs. Alicia Sintés and Sascha Husa), relativity expert Prof. Jaume Carot, and several postdocs and PhD students active in source modelling (numerical relativity and phenomenological waveform models), parameter estimation and continuous-wave data analysis for LIGO, as well as for future detectors including ET and LISA. There are also several more experts on relativity in the physics department at UIB, and interdisciplinary collaboration opportunities within the IAC3 institute. The usual language of scientific work in the group is English.

Application procedure: The full call document for this grant can be obtained from <https://edoctorat.uib.es/es/Noticia/Convocatoria-de-un-contrato-predocctoral-en-Fisica.cid633737> (Spanish or Catalan). Requirements include a CV, formal academic transcript with credits obtained, and a letter of motivation (in English). Remote interviews may be conducted if required. For questions on the procedure, please contact David Keitel. Both national and international applicants are welcome.

Contact: david.keitel@uib.es or the UIB graduate school (EDUIB, beques.postgrau@uib.es).

Details on application procedure and selection criteria

The legally binding version of the selection criteria is the one published at <https://eddoctorat.uib.es/es/Noticia/Convocatoria-de-un-contrato-predocctoral-en-Fisica.cid633737> (provided in Spanish and Catalan). The informal, non-exhaustive summary here is only provided for the benefit of applicants not fluent in those languages. Applicants must:

- Not yet be in possession of a doctorate.
- Have Spanish nationality or residence, or EU nationality.
- Have a university degree with 240 ECTS credits; for an undergraduate degree only covering 180 credits, 60 additional post-graduate credits are required.
- Have a university master's degree or already be enrolled in 2019-2020 in a master's program that qualifies for a 2020-2021 PhD programme.

Before starting the contract, the successful candidate must also:

- Have a master's degree or 300 ECTS credits, 60 of which at master level.
- Enroll in the UIB PhD programme following the proper procedures, obtaining a "pre-admission" letter at the appropriate point in time.

Application materials must be submitted by e-mail to beques.postgrau@uib.es and contain as PDF files (no documents by paper post):

- Personal data (please fill out the "Anexo1 - Solicitud" form and convert to pdf).
- Copy of identity documents.
- Curriculum Vitae (English preferred).
- Letter of motivation and specific interests in the field of gravitational physics (English required).
- Academic transcript, including a grade average on a 1-10 scale and full ECTS credits, in English, French, Italian, Portuguese, Catalan or Spanish; or translated into English, Catalan or Spanish. (Not required for UIB alumni.)

All applicants will be evaluated on a numerical scale as defined in point 6.2 and appendix B of the official call document:

- Up to 40 points for the academic qualifications, based on the average grade.
- Up to 30 points for academic, research and other qualifications evidenced by the CV.
- Up to 30 points for the motivation, interests and qualifications of the applicant for the specific research field and potential thesis topics.

Provisional results of the call will be announced no later than 9th October 2020. Appeals may be lodged until 20th October and the final decision will be announced 26th October.