

Postdoctoral Fellowship in Mathematics of Quantum Many-Body Problems

Job Offer	
Topics:	Mathematics of Quantum Many-Body Problems
PI in charge:	Prof. Jean Bernard Bru (Ikerbasque Research Professor)
Salary and conditions:	<p>The gross annual salary of the Postdoctoral Fellowship will be 28.000 – 32.000€.</p> <p>Note it will then be on your own responsibility to make your yearly income declaration at the Bizkaia Treasury Agency.</p> <p>There is a moving allowance for those researchers that come from a research institution outside the Basque Country up to EUR 1.000 gross.</p> <p><i>Free access to the Public Health System in Spain is provided to all employees.</i></p>
No Positions offered:	#1
Contract and offer:	2-year contract
Deadline:	13th April 2020, 14:00 CET (UTC+1)
How to apply:	Applications must be submitted on-line at: http://www.bcamath.org/en/research/job/

Scientific Profile Requested	
Requirements:	<ul style="list-style-type: none"> • Promising young researchers. • Applicants must have their PhD completed before the contract starts. • PhD degree preferable in Mathematical Physics.
Skills and track-record:	<ul style="list-style-type: none"> • Good communication and interpersonal skills. • Ability to effectively communicate and present research ideas to researchers with different background (e.g., mathematicians and physicists). • Ability to clearly present and publish research outcomes in spoken (talks) and written (papers) form. • Good command of verbal and written English. • Programming in LaTeX. • Ability to write research projects and obtain research

	<p>grants</p> <ul style="list-style-type: none"> • Ability to organize scientific events (workshops, seminars, etc.).
Scientific Profile:	<p>The preferred candidate will have:</p> <ul style="list-style-type: none"> • Research experience and interest in mathematical studies of quantum many-body problems. • Knowledge of functional and convex analysis, operator algebra, quantum statistical mechanics. • Ability to develop new research lines.

Application and Selection Process

Formal Requirements:	<p>The selected candidate must have applied before the application deadline online at the webpage http://www.bcamath.org/en/research/job</p> <p>The candidates that do not fulfil the mandatory requirements will not be evaluated with respect to their scientific profile.</p>
Application:	<p>Required documents:</p> <ul style="list-style-type: none"> ▪ CV ▪ Letter of interest ▪ 2 recommendation letters ▪ statement of past and proposed future research (2-3 pages)
Evaluation:	<p>Based on the provided application documents of each candidate, the evaluation committee will evaluate qualitatively: The adaption of the previous training and career to the profile offered, the recommendation letters, the main results achieved (papers, proceedings, etc.), the statement of past and proposed future research and other merits; taking in account the alignment of these items to the topic offered.</p>

Incorporation:	<p>Summer 2020 or as soon as possible thereafter.</p> <p><i>The BCAM postdoctoral contract will start when the selected candidate has finished the PhD, i.e. after dissertation defence</i></p>
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