# Postdoctoral Fellowship in APDE

## Job Offer

<table>
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<th>Topics:</th>
<th>In the framework of the BCAM Severo Ochoa Joint Postdoctoral Fellowship Program, the research lines:</th>
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<tr>
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<td>- Harmonic Analysis</td>
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<td>- Linear and Non-Linear Waves</td>
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Offer this position in the following topics:

- PDEs from fluid dynamics and electromagnetism
- Inverse problems
- Dispersive PDEs

| PIs in charge: | Pedro Caro and Renato Lucà |

| Salary and conditions: | **The gross annual salary of the Postdoctoral Fellowship will be 28,000 – 32,000€.** It will then be on your own responsibility to make your yearly income declaration at the Bizkaia Treasury Agency. There is a moving allowance for those researchers that come from a research institution outside the Basque Country up to EUR 2,000 gross. Free access to the Public Health System in Spain is provided to all employees. |

| No Positions offered: | #1 |
| Contract and offer:   | 1 year |

**Deadline:** 7th January 2021, 14:00 CET (UTC+1)

**How to apply:** Applications must be submitted on-line at: [http://www.bcamath.org/en/research/job](http://www.bcamath.org/en/research/job)

## Scientific Profile Requested

**Requirements:**
- Promising young researchers.
- Applicants must have their PhD completed before the contract starts.
- PhD degree in mathematics or related area

**Skills and track-record:**
- Ability to effectively communicate and present research ideas to researchers with different background.
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“BCAM Severo Ochoa Joint Postdoctoral Program”
International Call

- Ability to clearly present and publish research outcomes in spoken (talks) and written (papers) form.
- High level of spoken and written English.
- Good communication and interpersonal skills.
- Positive attitude toward group work.

Scientific Profile: The required profile is that of a young motivated researcher who has completed or about to complete his PhD in mathematics (or in a related scientific area).

Some background on one of the following topics is welcome:
- Harmonic analysis (Fourier transform, basic properties of the Laplacian, Sobolev spaces)
- PDEs from Fluid Dynamics (Euler eq., Navier-Stokes eq.)
- Dispersive PDEs (Schrödinger eq., Wave eq.)
- PDEs from electromagnetism (Maxwell equation)

Application and Selection Process

Formal Requirements: The selected candidate must have applied before the application deadline online at the webpage http://www.bcamath.org/en/research/job. The candidates that do not fulfil the mandatory requirements will not be evaluated with respect to their scientific profile.

Application:
- CV
- Letter of interest
- 2 recommendation letters
- Statement of past and proposed future research (2-3 pages)

Evaluation: 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.
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**International Call**

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<th>Incorporation:</th>
<th>Before June 2021</th>
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<td>The BCAM postdoctoral contract will start when the selected candidate has finished the PhD, i.e., after dissertation defence.</td>
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