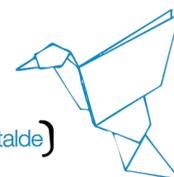


## Joint PhD Position on Mathematical Modelling in cancer research

Job Offer	
Topics:	Computational statistics, numerical analysis, Bayesian inference, enhanced sampling, Markov chain Monte Carlo, Hamiltonian Monte Carlo, numerical integration
PIs in charge:	<ul style="list-style-type: none"> <li>✓ Elena Akhmatskaya, Ikerbasque Research Professor at BCAM</li> <li>✓ María dM Vivanco, Principal Investigator at CIC bioGUNE</li> </ul>
Salary and conditions:	<p><b>The gross annual salary of the fellowship will be 16.422 € for the first 18 months and 18.000 € for the last 18 months (paid in twelve (12) equal monthly instalments).</b></p> <p>It will then be on your own responsibility to make your yearly income declaration at the Bizkaia Treasury Agency.</p> <p>Mobility expenses up to 500€ (BCAM)</p> <p><i>Free access to the Public Health System in Spain is provided to all employees.</i></p>
No Positions offered:	<b>#1</b>
Contract and offer:	<b>3 years (18 first months CIC bioGUNE + 18 last months BCAM)</b>
Deadline:	<b>July 14th 2017 15:00 CET (UTC+1)</b>
How to apply:	Applications must be submitted on-line at: <a href="https://mathhire.org/jobs/345">https://mathhire.org/jobs/345</a>

Scientific Profile Requested	
Requirements:	<ul style="list-style-type: none"> <li>• Promising young researchers.</li> <li>• Bachelor's or master's degree in Mathematics, Physics, Computational Biology, Engineering or Computer Sciences, eager to achieve a PhD degree in Applied Mathematics.</li> </ul>
Skills and track-record:	<ul style="list-style-type: none"> <li>• Good communication and interpersonal skills.</li> <li>• Ability to effectively communicate and present research ideas to researchers with different background (mathematicians and bioscientists).</li> </ul>



	<ul style="list-style-type: none"> <li>• Ability to clearly present and publish research outcomes in spoken (talks) and written (papers) form.</li> <li>• Good command of spoken and written English.</li> <li>• Good programming skills</li> </ul>
Scientific Profile:	<p>The preferred candidate will have:</p> <ul style="list-style-type: none"> <li>- Research experience and interest in mathematical modelling</li> <li>- Research experience and interest in dealing with genomic information</li> </ul>

### Application and Selection Process

Formal Requirements:	<p>The selected candidate must have applied before the application deadline online at the webpage <a href="https://mathhire.org/jobs/345">https://mathhire.org/jobs/345</a></p> <p>The candidates that do not fulfil the mandatory requirements will not be evaluated with respect to their scientific profile.</p> <p>The candidate will take part in a collaborative project between BCAM and CIC bioGUNE. The goal of the project is to develop an efficient Bayesian approach for tracking development of resistance to anti-cancer therapy using genomic information.</p> <p>His / her workload will be evenly distributed between both research centers and he / she will be supervised by E. Akhmatskaya (BCAM) and M. Vivanco (CIC bioGUNE).</p>
Application:	<p>Required documents:</p> <ul style="list-style-type: none"> <li>▪ CV</li> <li>▪ Letter of interest</li> <li>▪ 2 recommendation letters</li> </ul>
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:** September 2017 or as soon as possible thereafter.

