**POSTDOCTORAL FELLOW ON POST-QUANTUM CRYPTOGRAPHY**

**Main functions, requisites & benefits**

**Main functions**

The position is the framework of the creation of a new research line in (post-quantum) cryptography, which falls within the Basque strategy on Quantum computing, Quantum Cryptography and Quantum save Cryptography. Topics: Post-quantum cryptography, number theory, computational algebra and algebraic geometry. PI in charge: Javier Fernandez de Bobadilla

**Requisites**

Applicants must have their PhD completed before the contract starts. Good interpersonal skills. A proven track record in quality research. Ability to work independently and as part of a collaborative research team. Ability to present and publish research outcomes in spoken (talks) and written (papers) form. Ability to effectively communicate and present research ideas. Fluency in spoken and written English. Strong background in mathematics. Cryptography and Cryptanalysis. Knowledge in post quantum cryptography and its mathematical techniques. Programming skills in Python and/or C/C++. Interest and disposition to work in interdisciplinary groups.

**Benefits**

The gross annual salary of the Fellowship will be 28,000 - 32,000€. Contract and offer: 12 months contract, with a possibility of renewal for 12 additional months based on performance and available funds.