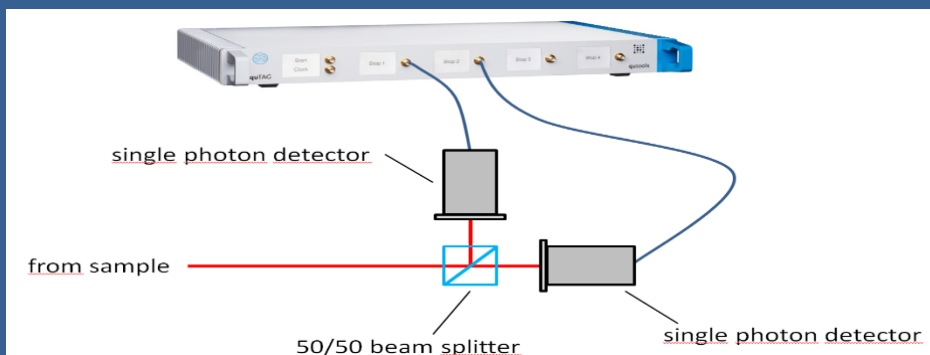


A research contract for a highly motivated candidate, strongly determined to participate and contribute to a breakthrough project in the subject of quantum technologies.

The goal of the project is a proper detection of single photons on two different systems:

- (1) Detection of single photons within a QKD system, at 1.55 microns; the detection system includes three avalanche photo-diodes, time-tagging electronics and a proper software
- (2) Detection of single photons within a microPL system, in visible range (400 – 800 nm); the detection system includes two avalanche photodiodes, time-tagging electronics and a proper software.

The research will be carried out at the Institute for Optoelectronic Systems and Microtechnology (www.isom.upm.es), at the faculty ETSI Telecomunicación at Universidad Politécnica de Madrid.



REQUIREMENTS AND PREFERENCES:

- A degree in: Physics, Electrical/Telecommunication/Material Engineering or in a similar area (preferentially with PhD).
- Research experience in the field of photonics/fiber communications
- Full professional competence in English. Knowledge of Spanish will be positively valued.

JOB CONDITIONS:

- 1-year contract; extendable.
- Monthly Gross Salary: 2000 € - 5000 € per month; commensurate with experience.
- Health and Social benefits according to Spanish law
- Participation in an innovative and disruptive project
- Work in a highly competent and competitive international environment

APPLICATION:

- Send a short CV and a short motivation letter to Alvaro de Guzman alvarodeguzman.fernandez@upm.es.
- Attach a copy of your PhD/university degree certificate to the submission.