JOB OFFER

Position in the project:	PhD Student
Scientific discipline:	physics, quantum optics
Job type (employment contract/stipend):	stipend
Number of job offers:	2
Remuneration/stipend amount/month *:*	4.200 PLN/month
Position starts on:	01.10.2017
Maximum period of contract/stipend agreement:	1.10.2017-31.08.2020
Institution:	Institute of Physics Faculty of Physics, Astronomy and Informatics Nicolaus Copernicus University in Toruń, Poland
Project leader:	Dr Piotr Kolenderski
Project title:	*Applications of single-photon technologies* ***Project is carried out within the First Team programme of the Foundation for Polish Science***
Project description:	The research project aims at developing: 1) single-photon sources and single photon characterization techniques, and their 2) applications in a selection of problems, which have a high potential to be solved using carefully prepared states of photons. Those problems are quantum communication with single-mode fibers and free space link using satellite receiver, efficient entangled two-photon absorption and quantum interference with nanostructures .
Key responsibilities include:	1. Preparing and conducting experiments related to

	quantum optics and quantum communication 2. Articles writing 3. Working with Msc students
Profile of candidates/requirements:	1. Experience in experimental quantum optics (basic optics alignment, single photon detectors, time resolved measurement techniques, lasers, fibers) 2. Experience in programming in Mathematica 3. Willingness to learn new experimental skills 4. Strong oral and written communication skills in English 5. Willingness to include the research results in the PhD thesis
Required documents:	1. CV 2. Motivation letter 3. Contact details to at least one academic referee 4. Confirmation of the student status
We offer:	Tutorship Work in the state of the art quantum optics laboratory International collaboration Very good stipend International internships and possibility to present research results at international conferences.
Please submit the following documents to:	spa@fizyka.umk.pl In case of a successful application, please provide the original documents within a week to the project leader
Application deadline:	September 28, 2017 9:00am CET

For more details about the position please visit (website/webpage address):	the website www.fizyka.umk. pl/fizyka_en
Euraxess job/stipend offer (in case of PhD and postdoc positions):	https://euraxess.ec.europa.eu/jobs/244277

Please include in your offer:

“I hereby give consent for my personal data included in my application to be processed for the purposes of the recruitment process under the Personal Data Protection Act as of 29 August 1997, consolidated text: Journal of Laws 2016, item 922 as amended.”