

Job Position: Postdoctoral Researcher - Optics

The Center for Sensors, Instruments and Systems Development (CD6) of the Technical University of Catalonia (UPC), is searching candidates for a Junior Postdoctoral Researcher position under the Beatriu de Pinós grant program of Catalan Research Agency (AGAUR). The center will submit an application according to the selected candidate.

The research subject is related to the tasks developed under the project VISION, awarded to CD6 by the company DAVALOR SALUD. The project will focus on the development of a new system for the diagnosis of the visual function and visual therapies.

Job description

The researcher will work at the Visual Biophotonics Research Group, which develops and applies experimental methods to evaluate key factors in human vision and develops new optical instrumentation. The candidate will be involved in the development of new optical instrumentation embeddable in the DAVALOR system.

Contract: Full –time

Estimated starting date: The grant is estimated to start during the Summer 2015. According to the candidate skills and experience, CD6 may offer an immediate and equivalent position to start in the short term.

Duration: The grant lasts for 12 months with possible extension to 24. After this period, CD6 may offer a contract extension according to the candidate performance.

Required skills/qualifications

- Degree in Physics, Optics & Optometry Telecommunications Engineering or similar.
- PhD degree obtained after from the 01/01/2008 and 31/12/2012.
- Fluent English.
- Additional skills on software development and statistics are not required but will be a plus.
- The relationship of the PhD thesis to the VISION project will be also considered but does not constitute a requirement.

Grant conditions

- Researchers who have obtained a doctorate from the 01/01/2008 and 31/12/2012. For special situations, please visit the website link provided below.
- To have, at the time of joining the host organisation, a minimum of two years of postdoctoral experience outside Spain. The

- two-year postdoctoral experience may have been developed in different institutions provided that the overall period of the postdoctoral fellowship is two years or longer.
- <!--[if !supportLists]-->• <!--[endif]-->Have at least one original publication as a first author or co-author.
- <!--[if !supportLists]-->• <!--[endif]-->Not have resided or carried out their main activity in Spain for more than twelve months in the two years immediately prior to the submission of the application.

For further information about the grant program, visit the following link

http://www10.gencat.cat/agaur_web/AppJava/english/a_beca.jsp?categoria=postdoctorals&i_d_beca=21025

How to apply:

To apply for this position please send to Dr. Jaume Pujol (pujol@oo.upc.edu) the following documents:

- <!--[if !supportLists]-->• <!--[endif]-->CV in English
- <!--[if !supportLists]-->• <!--[endif]-->Motivation Letter in English

Deadline: January 25th 2015

About CD6

The CD6 is a technological innovation center located at the Campus of the UPC in Terrassa (near Barcelona, Spain), which operates in the field of Optical Engineering.

The CD6 is established in 1997 with the aim of fostering the R+D activities in the field of Optical Engineering and its activity is aimed at creating value through innovation. Applied research developed by CD6 is defined in order the new knowledge generated, reaches the market as new products or new processes.

Over 40 people with complementary expertise (Optics, Electronics, Mechanical and Software) work at CD6. This multidisciplinary combination is necessary to develop applications with a short time-to-market. The research results achieved at CD6 have led to the creation of several spin-off companies that manufacture and market new products in different sectors.

CD6 activity focuses on developing research and technology applications in the field of Optical Engineering. The center's researchers are working on four major areas of research:

- <!--[if !supportLists]-->• <!--[endif]-->Optical design and simulation
- <!--[if !supportLists]-->• <!--[endif]-->Metrology
- <!--[if !supportLists]-->• <!--[endif]-->Visual Biophotonics
- <!--[if !supportLists]-->• <!--[endif]-->Hyperspectral imaging
- <!--[if !supportLists]-->• <!--[endif]-->Optical techniques for nondestructive testing (NDT)

Please, visit <http://www.cd6.upc.edu> for further information about the center.