

SOFTWARE DEVELOPER at the INSTRUCT Image Processing Center in Microscopy, CNB-CSIC, Madrid

Description: We are looking for a technically oriented candidate (engineer, physicist, mathematician, computer scientist...) to work in the development of a software platform to integrate several image processing software packages in electron microscopy.

Background: INSTRUCT is the European Strategic Initiative in the area of [Structural Biology](#). It is organized around 5 Core Centers and a similar number of Associated Centers. During 2009 the Biocomputing Unit (BCU) of the CNB-CSIC won the international competition to become the "INSTRUCT Center for Image Processing in Biology", starting its operation during 2010 and providing the context for this opening of positions. The BCU is well known in the area of three dimensional electron microscopy, with over 150 publications in the area, including public domains suites of programs and very popular image processing methods. The I2PC is also focused in the development of a large range of services for the structural-biologist community, such as [3DEMBenchmark](#), Scipion or [Pepper](#).

For further information go to [Biocomp](#), [XMIPP](#) and [INSTRUCT Image Processing Center](#)

Location: Madrid

Required Skills:

- BS or Master in Computer Science, engineer, physicist, mathematician or equivalent degree
- Programming experience with Python (C/C++ is a plus)
- Experience in GNU Linux OS
- Experience in collaborative development (git, svn, etc).
- Medium level of proficiency in written and spoken English
- The following skills are considered a “plus”, but are not essential:
 - Experience in Web applications with the Django framework
 - Experience in Desktop applications with Python/Tkinter
 - Technical experience with workflows engines.

- General background on image processing (electron microscopy knowledge is an additional “plus”)

Interested candidates should send their CV's and letter of interest to i2pc@cnb.csic.es