



BE-OPTICAL

*Advanced Biomedical Optical
Imaging and Data Analysis*

November 2015. The BE-OPTICAL network invites applications for

14 PhD positions

Biomedical imaging is a research field that is producing ground breaking scientific discoveries that have huge social and economic impact.

BE-OPTICAL is a Marie-Skłodowska-Curie Innovative Training Network aimed at providing a unique and structured training programme to 14 early stage researchers in a wide range of optical imaging technologies and signal processing tools.

Keywords: photonics, biophotonics, fluorescence spectroscopy and microscopy, optical coherence tomography (OCT), optogenetics, engineered nanomaterials, lasers and light sources, data analysis and signal processing tools.

The training programme will provide the researchers with a broad understanding of how state of the art optical imaging technologies and data processing tools work, and will open for them a wide range of job opportunities. The researchers will apply this knowledge to advance the early diagnosis of highly significant diseases (cardiac arrhythmias, glaucoma). The ESRs will also gain insight into clinical studies of novel imaging technologies and the commercialization process

H2020 EU funding imposes strict eligibility conditions: At the time of recruitment the researcher must not have resided or carried out his/her main activity (work, studies, etc...) in the country of the host institute (for example, if applying for a position in Germany, he/she must not have been a resident in Germany for more than 12 months in the 3 years immediately prior to his/her recruitment under the project). The researcher also should have less than 4 years of research experience, measured from the date he/she obtained the degree which formally entitles him/her to embark on a PhD program.

Top-level graduates in physics, engineering or computer science are encouraged to apply. No discrimination will be made on the basis of nationality, gender, race, religion or disability. BE-OPTICAL aims at increasing the fraction of woman in science and female candidates are particularly encouraged to apply.

For detailed information please visit:

<http://beoptical.eu>

or watch our video: <https://youtu.be/o0lih-F1cz4>