



General Advert for available ESR positions

AIMed - Antimicrobial Integrated Methodologies for orthopaedic applications – Early Stage Researchers (ESRs)

About Marie Skłodowska-Curie Innovative Training Networks (MSCA-ITN)

The Innovative Training Networks (ITN) aim to train a new generation of creative, entrepreneurial and innovative early-stage researchers, able to face current and future challenges and to convert knowledge and ideas into products and services for economic and social benefit. ITNs support competitively selected joint research training and/or doctoral programmes, implemented by partnerships of universities, research institutions, research infrastructures, businesses, SMEs, and other socio-economic actors from different countries across Europe and beyond.

About AIMed

The AIMed network, consisting of 12 beneficiaries and 7 partners organisations, will develop a range of materials with antimicrobial properties that are suitable for use on the surfaces of orthopaedic implants. This is in response to the increasing problem of post-operative infection by antibiotic-resistant bacteria. The network will carry out a thorough investigation of the properties of the new materials to ensure that they are feasible for use in future implants. This work will include the evaluation of antibacterial action and biocompatibility using appropriate models. The materials developed by the AIMed network will eventually result in fewer surgical infections, faster recovery of patients, and greatly reduced post-operative healthcare costs. Therefore, the training of the 15 ESRs appointed to the network will be multi-disciplinary and intersectoral, with an emphasis on the need for technology transfer from academic institutions to commercial users.

Your Role

The successful candidate will help to analyse and build tools for the analysis and integration of Antimicrobial Integrated Methodologies for orthopaedic applications. The network, coordinated by the University of Birmingham, brings together ten academic and two non-academic beneficiaries as well as six non-academic and one academic partners from ten European countries, including seven companies and one society (ECerS). The ESRs will have every opportunity to take part in the network training activities and benefit from established collaborations.

Your Benefits

The successful candidates will receive an attractive salary in accordance with the MSCA regulations for early stage researchers. The exact salary will be confirmed upon appointment and is dependent on the country correction factor (to allow for the difference in cost of living in different EU Member States). The salary includes a living allowance, a mobility allowance and a family allowance (if married or with children). The guaranteed PhD funding is for 36 months (i.e. EC funding, additional funding is possible depending on local research group). In addition to their individual scientific projects, all fellows will benefit from further continuing education, which includes internships and secondments, a variety of training modules as well as transferable skill courses and active participation in workshops and conferences.

Your Eligibility criteria

Early-stage researchers (ESRs) are those who are, at the time of recruitment by the host, in the first four years (full-time equivalent) of their research careers. This is measured from the date when they obtained the degree which formally entitles them to embark on a doctorate, either in the country in which the degree was obtained or in the country in which the research training is provided, irrespective of whether or not a doctorate was envisaged. That means



typically, for European (or Worldwide) applicants, in the first four years after their Master's degree. Working language is English, therefore proficiency in this language is required.

Researchers are required to undertake trans-national mobility (i.e. move from one country to another) when taking up the appointment. At the time of selection by the host organisation, researchers must not have resided or carried out their main activity (work, studies, etc.) in the country of their host organisation for more than 12 months in the 3 years immediately prior to their recruitment. Short stays, such as holidays, are not taken into account.