



UNIVERSITY OF LEEDS

CANDIDATE BRIEF

**Marie Curie Early Stage Researcher in Mathematical Immunology x 3,
School of Mathematics**



**Salary: In line with Marie Skłodowska-Curie Innovative Training
Network requirements**

Reference: MAPMA1089

Closing date: 12 July 2018

It is planned that interviews will take place on 20 July 2018

Fixed-term for 36 months, three posts available

We will consider flexible working arrangements

Marie Curie Early Stage Researcher in Mathematical Immunology

School of Mathematics, Faculty of Mathematics and Physical Sciences

Are you interested in the field of Mathematical Immunology, in the first four years of your research career and based outside the UK? Would you like to carry out research and participate in the activities of the European Union (EU) funded H2020 Marie Curie Initial Training Network (QuanTII), involving universities, Research Institutes and industrial companies across Europe and the USA?

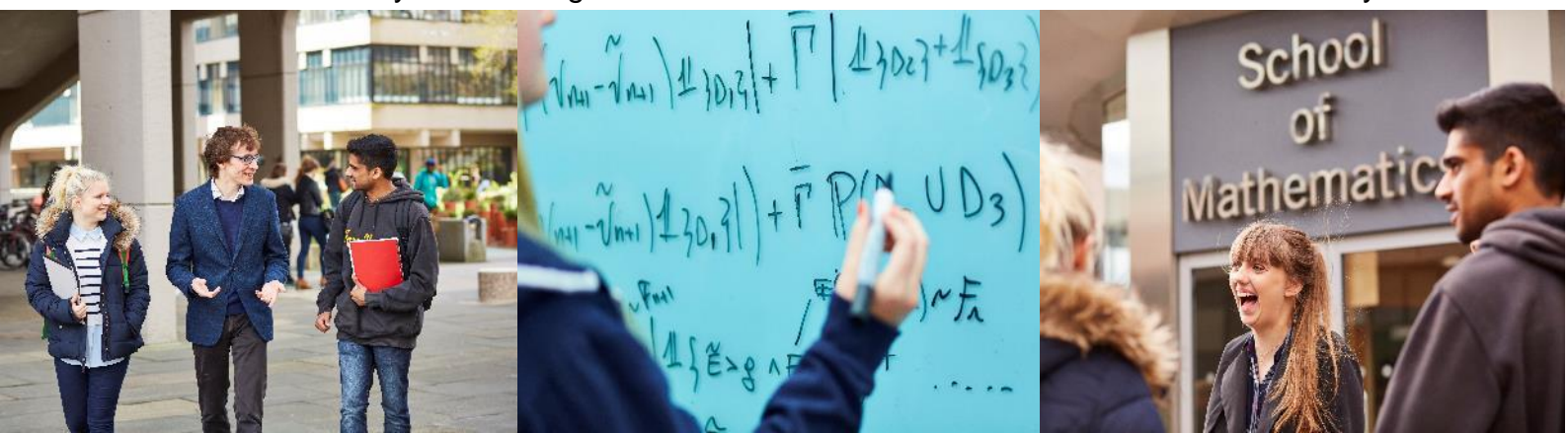
QuanTII is a Marie Skłodowska-Curie Innovative Training Network. Its primary objective is to train a new generation of quantitative immunologists, who will be able to address challenges arising in T cell Immunology and Immunotherapy. The QuanTII Network will train a total of 15 Early Stage Researchers (ESRs) across Europe, bringing together renowned European experimental and theoretical scientists from private and academic institutions.

As an Early Stage Researcher in Leeds, you will undertake research to develop novel stochastic mathematical models of immunology at the molecular, cellular and population levels. You will also participate in activities of the Innovative Training Network (ITN), including attending group meetings, seminars and training courses as well as collaborating with academic and industrial partners. As part of the training activities of the Network, you will take part in research visits and secondments to a wide range of partners in Europe, the USA and Australia.

To meet the requirements of the Marie Skłodowska-Curie Innovative Training Network, you will be an early stage researcher within the first four years of your research career, have not yet been awarded a doctoral degree (PhD), and have not lived or carried out your main activity (work/study) in the UK for more than 12 months during the past three years. You will also need to have the flexibility to travel throughout the European Union. In addition, you will have an undergraduate degree in a relevant discipline and will be eligible to enrol on a PhD degree.

Salary:

The Marie Skłodowska Curie Research Fellowship offers a highly competitive and attractive salary and working conditions. The successful candidate will receive a salary



in accordance with the [Marie Skłodowska Curie regulations for early stage researchers](#). The exact salary will be confirmed upon offer and will be based on a living allowance of €3,741 per month and a mobility allowance of €600 per month. Additionally, you may also qualify for a family allowance of €500 per month depending on personal circumstances. The final salary will be confirmed upon offer and will be subject to tax and employer's and employee's National Insurance deductions, and will be paid in UK Sterling (£) using an appropriate conversion rate.

What does the role entail?

As an Early Stage Researcher your main duties will include:

- Contributing to the QuanTII Innovative Training Network (ITN) under the supervision of [Professor Grant Lythe](#) and [Professor Carmen Molina-Paris](#);
- Undertaking ongoing research at doctoral degree level to develop novel stochastic mathematical models of immunology at the molecular, cellular and population levels;
- Participating in QuanTII ITN activities to ensure a successful programme of research and training, including attending group meetings and seminars, training courses and research visits; as well as collaborating with academic and industrial partners;
- Contributing to the dissemination and communication of research results in leading peer-reviewed journals and through presentation at meetings and conferences, with guidance as necessary;
- Ensuring excellent progress of your work and keeping up-to-date records;
- Providing support and advice to other Early Stage Researchers within the ITN;
- Working both independently and as part of a larger team of researchers and stakeholders;
- Continually updating your knowledge, understanding and skills in the research field in which you work.

These duties provide a framework for the role and should not be regarded as a definitive list. Other reasonable duties may be required consistent with the grade of the post.



What will you bring to the role?

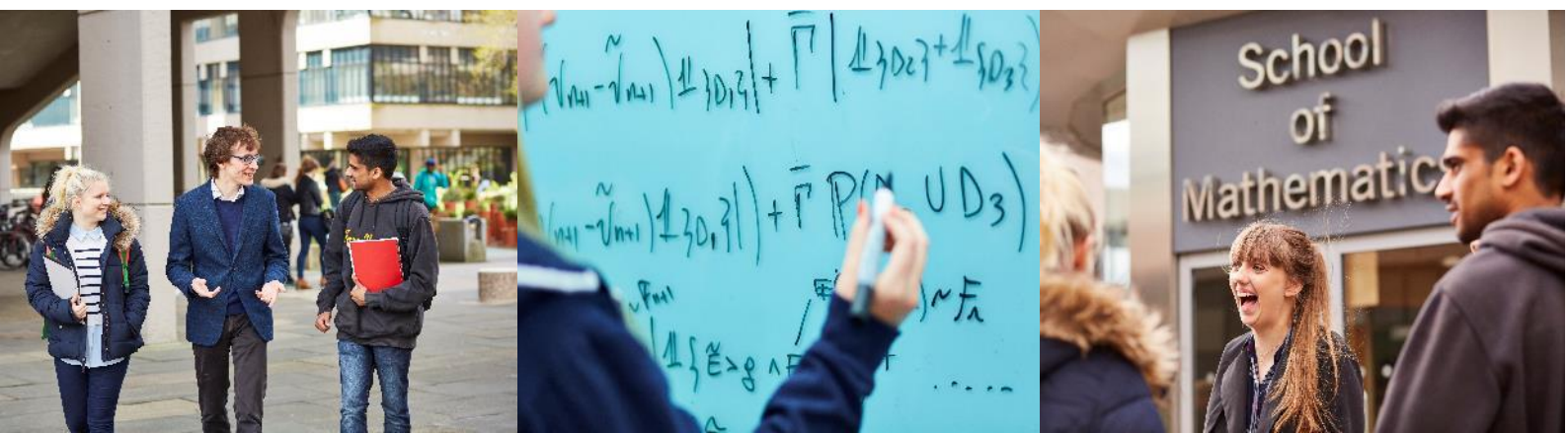
As an Early Stage Researcher you will have:

- An undergraduate degree in a relevant discipline;
- The intention to undertake doctoral studies in Applied Mathematics;
- The ability to meet all eligibility requirements for appointment in the UK as an Early Stage Researcher funded by the Marie Skłodowska-Curie Innovative Training Network:
 - You must be within the first four years* (full-time equivalent) of your research career, and have not yet been awarded a doctoral degree (e.g. PhD), at the time of recruitment to this role;
 - You must not have resided or carried out your main activity (such as work or study) in the UK for more than 12 months during the three years prior to your recruitment to this role;
- The ability to meet the University's [eligibility requirements](#) to enrol on a PhD degree, including English language requirements if English is not your first language;
- The flexibility to travel throughout the European Union;
- Experience of undertaking academic research;
- Good interpersonal and communication skills, both written and verbal, and the ability to communicate effectively with a wide range of stakeholders;
- Good time management and planning skills, with the ability to meet tight deadlines and manage competing demands effectively;
- A proven ability to work well both independently and as part of a team;
- A strong commitment to your own continuous professional development.

* Measured from the date when you obtained the degree which would formally entitle you to embark on a doctorate, either in the country in which you obtained your degree or the country in which you are recruited or seconded.

You may also have:

- Evidence of contributing to papers in internationally recognised, peer-reviewed journals or evidence of publishable research in progress.



How to apply

You can apply for this role online; more guidance can be found on our [How to Apply](#) information page. Applications should be submitted by **23:59** (UK time) on the advertised closing date.

Contact information

To explore the post further or for any queries you may have, please contact:

Professor Carmen Molina-Paris

Tel: +44 (0)113 343 5151

Email: carmen@maths.leeds.ac.uk

Professor Grant Lythe

Tel: +44 (0)113 343 5132

Email: grant@maths.leeds.ac.uk

Additional information

More information on Marie Curie Initial Training Networks is available using the following web link: <http://ec.europa.eu/research/mariecurieactions/>

Working at Leeds

Find out more about the benefits of working at the University and what it is like to live and work in the Leeds area on our [Working at Leeds](#) information page.

A diverse workforce

The Faculty of Mathematics and Physical Sciences is proud to have been awarded the [Athena SWAN Bronze Award](#) from the Equality Challenge Unit, the national body that promotes equality in the higher education sector. Our [equality and inclusion webpage](#) provides more information.

Candidates with disabilities

Information for candidates with disabilities, impairments or health conditions, including requesting alternative formats, can be found on our [Accessibility](#) information page or by getting in touch with us at disclosure@leeds.ac.uk.



Criminal record information

Rehabilitation of Offenders Act 1974

A criminal record check is not required for this position. However, all applicants will be required to declare if they have any 'unspent' criminal offences, including those pending.

Any offer of appointment will be in accordance with our Criminal Records policy. You can find out more about required checks and declarations in our [Criminal Records](#) information page.

