DE MONTFORT UNIVERSITY LEICESTER

Doctorate Training Programme

Bioanalysis, Pharmaceuticals and Health

Study for a PhD

Bioanalysis, Pharmaceuticals and Health

This Doctoral Training Programme (DTP) links together essential research elements of staff of the Leicester School of Pharmacy with those of the School of Allied Health Sciences. Our focus on 'state-of-the-art' modern research culture provides a scope of training programmes which are selectively tailored for the differing requirements of postgraduate research students. This will create opportunities for you to participate in broader interdisciplinary projects targeted at meeting major research challenges presented by the public services and industry, particularly those based in the Advanced Bioanalytical Science/Chemistry for Health, Pharmacology (including Cell Biology/Genomics), Biomedical and Environmental Science, and Pharmaceutical Technologies areas, which represent four highly collaborative streams of this DTP.

This DTP offers training courses on research-focused analytical laboratory facilities as well as non-laboratory-based techniques. These involve an exemplary series of customised guidance programmes regarding the management, operation and applications of specialist instrumental laboratory facilities (particularly analytical and/or bioanalytical equipment), and workshops focused on experimental design, chemometrics, metabolomics, clinical trials and research ethics (in addition to essential software support training). Further workshops include a generalised support group for these researchers (providing valuable advice on time-management, prioritisation of work-tasks, self-motivational skills, assertiveness, etc.) and the transferable development of scientific writing skills (structured in terms of the future publication of DTP students' research studies in reputable scientific journals).

Prior to engaging in their central research project, students may complete a short (6-12 week) rotation research project, the objective of which is to provide them with a 'breadth-rather-than-depth' approach to the solution of research problems. This project will be supervised by a member of academic staff who may be based at another School, Faculty, Academic Institution, Research Centre or Health Service Provider.

Furthermore, where appropriate, students may be offered the opportunity to participate in a short professional internship in a non-research environment at a collaborating institution, health service provider or an industrial/commercial site.

For full details visit **dmu.ac.uk/biopharmDTP**

To apply to study for PhD at DMU, and for further details, visit **dmu.ac.uk/researchdegrees**

Based in Leicester city centre, at the heart of England, we pride ourselves in being a university of creativity and innovation.

Why study for a PhD at DMU?

- Access to appropriate specialist MSc lectures
- Opportunities for participation in cross-faculty PhD programmes
- Personalised professional development programmes
- Access to collaborating laboratories and relevant scientific conferences (both at national and international levels)
- Focus on translational research with other faculties, collaborating universities, industry, and clinical researchers
- Support for the publication of research findings in reputable scientific and clinical journals
- Opportunities to gain teaching experience
- Exposure to 'real-life' research problems

"The major objectives of supervisory staff involved in this DTP are the design, development and applications of novel therapies, technologies, and bioanalytical diagnostics for application to a wide variety of clinical, clinically-related and pharmaceutical/pharmacological research problems at regional, national and international levels."

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