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If you need all or part of this publication in accessible format, please contact the Public Relations Office, Communications and Marketing:
Tel +44 (0)117 928 8895
Welcome

We have a long tradition of excellence in research and teaching and are proud to be considered the best at what we do. We are proud of both our taught postgraduate programmes and our research postgraduate programmes.

Our taught programmes have been designed to give bespoke training at the highest level and are delivered by experts in their field from across the faculty.

Postgraduate research students receive excellent training, supervision, guidance and mentoring and are significant contributors to the research activity across the faculty. The majority of postgraduate students are based in laboratories in the Medical Sciences Building in central Bristol, whilst those associated with the School of Veterinary Sciences are based in laboratories alongside clinical and diagnostic practices at the University's farm in rural Langford.

Our research is well supported by major grants from funding bodies such as the Medical Research Council (MRC), the Biotechnology and Biological Sciences Research Council (BBSRC), the Wellcome Trust, the British Heart Foundation, Cancer Research UK and Defra, as well as from industry, the European Union and other funding bodies. We receive £30 million in annual research funding, which enables us to work on interdisciplinary research themes and provides a supportive environment for effective and ground-breaking research; from first principles through to advances in clinical care, and training the next generation of scientists.

We aim to attract the very best students and to provide an environment that will enable you to succeed at the highest level.

Professor George Banting
Dean, Faculty of Biomedical Sciences
Funding your studies in the Faculty of Biomedical Sciences

Funding for postgraduate study can come from a variety of sources. Our students are funded by governments, research councils, families, charities and employers from across the globe.

You will need to secure the majority of your funding before commencing your postgraduate studies. The University subscribes to the Alternative Guide to Postgraduate Funding (www.postgraduate-funding.com), which provides contact information for charities and organisations who offer grants for postgraduate study.

Don’t forget to use our Funding Search facility (bristol.ac.uk/fees-funding/search) to see whether there are any additional grants or awards which are relevant to your chosen studies.

You may wish to consider self-funding your programme by opting to take out a bank loan (eg a Professional and Career Development Loan) and/or use savings.

Postgraduate taught programmes
At the time of going to print, details of the UK government’s proposed postgraduate loan scheme have not been confirmed. Our understanding is that the scheme will be available to UK students pursuing a taught master’s degree and will be income dependent. When details are confirmed, guidance will be available at bristol.ac.uk/fees-funding/postgraduate.

MSc Transfusion and Transplantation Sciences
Applicants to this programme from specific Commonwealth countries may be eligible for a Commonwealth Shared Scholarship, covering fees and other expenses. For details please see bristol.ac.uk/fees-funding/awards.

Postgraduate research programmes
The University of Bristol has one of the largest concentrations of funded Doctoral Training Partnerships and Centres in the UK, many of which offer full studentships.

The Faculty of Biomedical Sciences is proud to work with colleagues across the University and with partner institutions as part of the following funded doctoral training initiatives:

Biotechnology and Biological Sciences Research Council (BBSRC) South West Biosciences Doctoral Training Partnership (see page 11)

Wellcome Trust PhD Dynamic Cell Biology (see page 8)

Wellcome Trust PhD Neural Dynamics (see page 9)

Information and links to a variety of additional funding opportunities across the faculties can be found on the Bristol Doctoral College web pages at bristol.ac.uk/bdc.
Biomedical Sciences Research

This programme is delivered by staff from all schools within the Medical Sciences Building and provides training in several principal areas of current research in the Biomedical Sciences. The programme is focused on experimental science and provides practical experience of basic and specialist techniques. It also provides opportunities for specialisation in selected research topics.

Programme structure

Core units

• Core Skills
  A series of practical classes, lecture-based teaching sessions, and tutorials that prepare you for the practical project, provide a foundation for further studies and develop a range of transferable skills.

• Literary Project
  An extended essay on a subject chosen from an extensive list supplied by the Unit Organiser. You work independently under the guidance of a member of staff.

• Project Proposal and Research Project
  Each school provides a number of research project topics within the themes described below. You work independently under the guidance of a member of staff to produce a written project proposal. This is followed by a 12-week research project investigating your chosen topic. The research project forms the basis for a dissertation.

Lecture-based units

You will study three lecture-based units from:

• Cancer Biology
  Explorations of the cellular and molecular basis of human carcinogenesis, illustrating current research areas and including descriptions of techniques.

• Cardiovascular Research
  Modern research in four areas of cardiovascular physiology: physiology of the heart; physiology of blood vessels; cardiovascular homeostasis; molecular methods in cardiovascular medicine. Emphasis is placed on the use of molecular systems approaches.

• The Dynamic Cell
  Covers a variety of topics within the general area of intracellular dynamics and cell motility. Explorations of the movement of proteins and organelles within cells and the movement of cells themselves.

• Infection, Immunology and Immunity
  Lectures on the nature of the immune response, its role in controlling infectious disease (especially at mucosal surfaces) and the mechanisms underlying autoimmune diseases.

• Pharmacology
  Emphasis on a number of key areas of modern pharmacology, including the electrophysiology of neurones, with particular reference to the biophysical and molecular basis of membrane function, ion transport, channels and receptors.

• Neuroscience
  Brain structure and function in the main areas of neuroscience research including sleep, pain, memory and psychiatric disorders.

Each taught unit is assessed independently by written examinations and by written examinations and coursework in the case of Core Skills. The literary project, project proposal and practical project are presented as written dissertations.

Entry requirements

A minimum of a lower second-class honours degree (or international equivalent) and evidence of practical ability. For information on international equivalent qualifications, please see bristol.ac.uk/international/countries.

Contact for further information

Postgraduate Administrator
Graduate School Office
School of Medical Sciences
University of Bristol
Biophysics aims to span the distance between the vast complexity of biological systems and the relative simplicity of the physical laws governing the behaviour of the universe.

This programme provides interdisciplinary training at the interface of chemistry, physics and the life sciences, and is taught by research staff from all these areas. Emphasis is placed on a practical training as well as providing a strong theoretical background. You will also learn about the process of commercialisation of research outcomes.

Programme structure

Core units

Biophysics and Molecular Life Sciences I
Begins with lectures introducing molecular life sciences. Other lectures cover a variety of molecular spectroscopies, molecular structure determination, systems approaches using proteomics, and the mechanistic characterisation of biomolecules using biophysical techniques.

Biophysics and Molecular Life Sciences II
Introduces highly specialised techniques at the interface of physics, chemistry and the life sciences. Includes techniques for studying at the single-molecule level, synthetic biology, bioinformatics and molecular simulations.

Core Skills
A series of practical classes, lecture-based sessions, and tutorials that prepare you for the practical project, provide a foundation for further studies and develop a range of transferable skills.

Literary Project
An extended essay on a subject chosen from an extensive list covering the topics described above. You work independently under the guidance of a member of staff.

Project Proposal and Research Project
You work independently under the guidance of a member of staff to produce a written project proposal. This is followed by a 12-week research project investigating your chosen topic. The research project forms the basis for a dissertation.

Lecture-based option
You will study one lecture-based unit from:

Cancer Biology
Explorations of the cellular and molecular basis of human carcinogenesis, illustrating current research areas and including descriptions of techniques.

Cardiovascular Research
Physiology of the heart; physiology of blood vessels; cardiovascular homeostasis; molecular methods in cardiovascular medicine. Emphasis on molecular systems approaches.

The Dynamic Cell
Covers a variety of topics within the general area of intracellular dynamics and cell motility. Explorations of the movement of proteins and organelles within cells and the movement of cells themselves.

Infection, Immunology and Immunity
Lectures on the nature of the immune response, its role in controlling infectious disease (especially at mucosal surfaces) and the mechanisms underlying autoimmune diseases.

Neuroscience
Brain structure and function in the main areas of neuroscience research including sleep, pain, memory and psychiatric disorders.

Pharmacology
Focus on a number of key areas of modern pharmacology, including the electrophysiology of neurones, particularly the biophysical and molecular basis of membrane function, ion transport, channels and receptors.

Entry requirements
A lower second-class honours degree in Biochemistry, Biological Sciences, Chemistry, Physics, or an equivalent subject, plus a minimum grade C in A-level Chemistry (or equivalent qualification). For information on international equivalent qualifications, please see bristol.ac.uk/international/countries.

Key facts

Why choose Bristol?
We are leaders in biophysical research, in areas such as molecular structure, protein folding, synthetic biology, and single-molecule imaging.

School of Biochemistry

Awards available: MSc

Duration of programme
One year full-time

Part-time study available? No

Open to international students? Yes

English Language Profile B (see Introduction, ‘How to apply’, p15)

Number of places 15

Fees (per year, subject to annual increase)
Full-time: UK/EU £9,800; overseas £18,600
Plus a bench fee of £2,000

Funding
Please see p2

Website
bristol.ac.uk/biochemistry

Possible start dates September 2016

Application deadline Not fixed

Contact for further information
Graduate School Office
Faculty of Biomedical Sciences
University of Bristol
Medical Sciences Building
University Walk
Bristol BS8 1TD
Tel: +44 (0)117 331 1535
Email: fbs-pgenquiries@bristol.ac.uk

Applications
Details of how to apply are available at bristol.ac.uk/pg-study.
Taught Programme

Transfusion and Transplantation Sciences

This is one of very few specialist programmes in transfusion and transplantation. It includes a range of subject areas such as molecular biology, genetics, biochemistry, microbiology, immunology, tissue engineering, clinical medicine and statistics. This continually developing area of healthcare science impacts greatly on patients’ quality of life.

The programme is accredited by the Institute of Biomedical Science and based at one of the world’s largest transfusion centres. It is taught by specialist lecturers from the University, NHS Blood and Transplant (NHSBT), and NHS hospitals. The high proportion of contact hours means that there is teaching every day, plus practical classes.

Students on the programme range from new graduates to people working in blood centres and in blood transfusion/haematology in hospitals, or training to lecture in transfusion. Around 50 per cent of students are from overseas.

Programme structure
The programme comprises eight taught units (September to March) and a research project (May to August).

Core units

Transfusion and Transplantation Science
Basics of haemopoiesis; blood group molecular genetics; structure and function of platelets; haemostasis; HLA genes and proteins.

Pathology of Transfusion and Transplantation Science
The basis of haematological diseases such as sickle cell disease and haemophilia. Also covers immunology, followed by the effect of red cell and platelet antibodies on the adult and foetus.

Provision of Blood, Cells, Tissues and Organs
Where and how do we get our blood? How do we test it? What components can we make and store? Also covers product development and processes to make components safer.

Clinical Transfusion and Transplantation
Organ transplantation, engineered tissues, stem cell transplants and clinical blood transfusion; laboratory investigation and management of complications associated with these procedures.

Transfusion and Transplantation in Practice
Two units comprising practical classes designed to expose students to many different types of technology used in transfusion and transplantation laboratories.

Biostatistics
The principles of experimental design including basic, intermediate and some advanced statistical methods to analyse new data generated from clinical and laboratory research.

Research and Laboratory Management
Providing an understanding of the manager’s role in maintaining a quality system in a blood bank or blood establishment.

Entry requirements
An upper second-class honours degree (or equivalent) in Medicine, Biomedical Science/ Clinical Laboratory Science or related subjects. A lower second-class honours or non-degree qualifications may be considered with evidence of laboratory experience and other academic achievement. For information on international equivalent qualifications, please see bristol.ac.uk/international/countries.

Contact for further information
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Applications
Details of how to apply are available at bristol.ac.uk/pg-study.
Biochemistry

As a highly research-active school, we believe that part of our mission is to train the next generation of life scientists. We take great pride in the standard of our postgraduate provision and offer both three- and four-year PhD programmes. It is also possible to pursue a one-year MSc by Research degree. Competition for places on our postgraduate programmes is high, but we believe that we offer a unique and nurturing environment for talented students.

You will receive extensive research training covering methodology, critical interpretation and problem solving, as well as transferable skills training in communication and presentation, team work, time management and teaching. Training is also available in enterprise and entrepreneurship.

You will have access to the world-class Wolfson Bioimaging Facility that provides a suite of state-of-the-art light and electron microscopes. In addition, the Proteomics Facility offers bespoke proteomics services for researchers.

Most of our postgraduate students develop into highly productive researchers, publishing in leading peer-reviewed biomedical journals. Over 75 per cent of our students go on to postdoctoral research in academia and industry, both in the UK and abroad. Other students use the transferable skills gained during their study to enter postgraduate-level employment, including publishing, management and administration. We are also committed to promoting the advancement of women in science, engineering and technology (SET).

Research groups
Research in the department covers all aspects of modern biochemistry, and this is reflected in the wide range of postgraduate projects available.

The school has an international reputation in cell biology, and enjoys an association with the world-class Wolfson Bioimaging Facility, which houses the latest state-of-the-art light and electron microscopes. Our work in this area covers intracellular trafficking, cell shape and movement, and the control of cell death and proliferation.

We have also earned an international reputation for our research in structural biology and biophysics, including rational drug design, mathematical modelling of protein structure and folding, and pioneering work on the interactions between DNA and proteins. Synthetic biology is another key area of active research within the school.

The fundamental research supported by the school is often translated into practical applications aimed at understanding disease mechanisms and improving human health. Our research has made significant contributions towards understanding cardiovascular disease, diabetes, cancer and malaria, and many other aspects of clinical research.

Entry requirements
An upper second-class honours degree (or international equivalent) in Biochemistry or a relevant subject. We may consider MSc applications from candidates with a lower second class degree. For information on international equivalent qualifications, please see bristol.ac.uk/international/countries.

Contact for further information
Professor Patricia Kuwabara
Postgraduate Admissions
School of Biochemistry
University of Bristol
Bristol BS8 1TD
Tel: +44 (0)117 331 1599
Email: fbs-pgenquiries@bristol.ac.uk

Applications
Details of how to apply are available at bristol.ac.uk/pg-study.
Cellular and Molecular Medicine

The School of Cellular and Molecular Medicine is an internationally recognised centre of excellence for the study of cancer biology, infection and immunology, and stem cell biology.

A major refurbishment of our immunology, microbiology, virology, stem cell biology and cancer research laboratories has created an outstanding working environment with state-of-the-art facilities. Researchers in the school also have access to facilities in the Molecular Recognition Centre and the Cell Imaging and Wolfson Bioimaging Facility within the Faculty of Medical and Veterinary Sciences.

Staff research interests include: childhood and adult cancers; stem cell biology; molecular genetics; developmental biology; haematological disorders; immunology; arthritis; neurological diseases; virology; bacterial antibiotic resistance; and bacterial pathogenesis.

The school places its focus on translational research, that is: turning basic scientific discoveries into something clinically useful. Key successes of this type include the development of novel drugs and therapies, diagnostic tests and the implementation of changes to clinical practice. Several members of staff in the school are clinicians.

Research groups
Research within Cellular and Molecular Medicine is focused on three strategic research themes: ‘Infection and Immunity’, ‘Cancer Biology’ and ‘Tissue Engineering and Stem Cell Therapies’.

Infection and Immunity
This wide-ranging research theme includes:
- Immunology: especially autoimmunity, mucosal immunity and vaccine development.
- Microbiology: especially bacterial pathogenicity and antimicrobial resistance.
- Virology: including study of important human viruses such as coronaviruses, adenoviruses and dengue viruses.

Cancer Biology
Cancer is a major cause of death in the UK and the lifetime risk of developing cancer is about one in three. Over 50 per cent of cancers are preventable. The overall research aim for the groups within Cancer Biology is to increase our understanding of the cellular and molecular basis of cancer and to bring advances in these areas to the clinic, in terms of prevention strategies, early diagnosis and targeted novel treatments.

Tissue Engineering and Stem Cell Therapies
Research includes work with both adult and embryonic human stem cells. Investigations focus on using stem cells derived from the bone marrow of elderly osteoarthritis patients to regenerate cartilage through tissue engineering strategies in the laboratory and ultimately after implantation in the patient.

Entry requirements
An upper second-class honours degree (or international equivalent) in a relevant subject. We may consider MSc applications from candidates with a lower second-class degree. For information on international equivalent qualifications, please see bristol.ac.uk/international/countries.

Contact for further information
Dr Matthew Avison, Director of Postgraduate Studies
Medical Sciences Building
University of Bristol
University Walk
Bristol BS8 1TD
Tel: +44 (0)117 331 2036
Email: fbs-pgenquiries@bristol.ac.uk

Applications
Details of how to apply are available at bristol.ac.uk/pg-study.
Dynamic Cell Biology

This programme brings together the skills and expertise of 30 internationally-recognised cell biologists, who provide training in the broadest range of cell biology topics and techniques; from ultrastructural and dynamic studies of intracellular trafficking through to examining cell migration in tissues and whole organisms; and from the purest studies of fundamental cell biology through to those with direct and translational application to human disease.

We are looking for talented and motivated students willing to take up the many varied challenges in cell biology and who are open to learning about new disciplines and working across different fields.

Research groups
Core research areas include:
- Dynamic organisation, regulation and remodelling of the cytoskeleton;
- Molecular complexes involved in membrane traffic;
- Dynamic regulation of signalling complexes;
- Interface between cell signalling and membrane trafficking;
- Cell organisation, morphogenesis and tissue function;
- Diabetes and obesity, cancer, learning and memory, infection and immunity, hearing/deafness, cardiovascular biology, and channelopathies.

Programme structure
First year
You will have the opportunity to study a range of research topics, with different supervisors. You will undertake three 12-week laboratory-based research projects.

The first rotation is in a core cell biology lab, which will familiarise you with basic techniques used in molecular cell biology, cell culture and standard cell imaging procedures.

One of the second rotations is in an in vivo, or applied, lab where you will work to extend your skills base and gain an appreciation of how basic cell biology can be translated into an in vivo or applied context.

During your third rotation (which can be in a core or applied lab), you will choose your PhD lab.

Write-ups, posters and presentations on the three rotation projects are completed by the end of July, providing you with two months in which to focus on your proposed research project before the second year commences.

Second to fourth years
You will join a single laboratory for the remaining years of your PhD. On occasions there may be collaborative projects between two participating labs; in these cases there will be joint supervision from the two principal investigators.

You will be integrated into the PhD programme of your host school, which will depend on your chosen topic. These programmes are similar but not identical. In general, they involve submission of an end-of-year progress report to the departmental postgraduate tutor and an afternoon of seminars presented by your year cohort in that school, then an informal interview/viva with the postgraduate tutor or another senior academic. You will also remain under the wing of the Dynamic Cell Biology programme itself and we will have a separate monitoring procedure.

Entry requirements
First-class or upper second-class undergraduate degree or Masters degree in a biomedical science discipline or a relevant theoretical discipline. Crucially, we are looking for talented and motivated students willing to take up the many varied challenges in cell biology and who are open to learning about new disciplines and working across different fields.

Key facts
Why choose Bristol?
Bristol is one of the UK’s leading institutes using advanced cell imaging to assist the study of cell biology.

Awards available
PhD

Duration of programme
Four years full-time

English Language Profile
C
(see Introduction, ‘How to apply’, p15)

Number of places
5-6

Fees (per year, subject to annual increase)
Full-time: UK/EU £4,145; overseas £18,100
Part-time: UK/EU £2,073

Funding
Please see p2

Website
bristol.ac.uk/fmvs/gradschool/programmes/dynamic-cell

Possible start dates
September 2016

Application deadline
Dependent on funding deadlines. Please see our website for details

For information on international equivalent qualifications, please see bristol.ac.uk/international/countries.

Contact for further information
Lindsey Watson, Graduate Administration Manager
Faculty of Biomedical Sciences
Medical Sciences Building
University Walk
Bristol BS8 1TD
Tel: +44 (0) 117 331 1535
Email: fbs-pgenquiries@bristol.ac.uk

Applications
Details of how to apply are available at bristol.ac.uk/pg-study.
RESEARCH PROGRAMME

Neural Dynamics

This programme will run in 2016 subject to confirmation of funding.

Neural dynamics is the study of the nervous system’s remarkable capacity to change, and, at a systems level, of the dynamic interplay between integration and segregation of brain regions that enables all aspects of behaviour, including learning, memory, homeostasis and sensorimotor control.

This fully funded Wellcome Trust PhD programme is different to a traditional PhD route: it provides you with a year of taught units and two extensive research projects before you embark on your primary research focus. This innovative structure enables you to explore several areas of neural dynamics research, giving you a broad understanding of the foundations that underpin your core interests. This equips you to make a fully informed decision on your major research focus for the remaining three years of your PhD.

Research groups
Bristol has one of the largest concentrations of neuroscientists in Europe and is a major centre for basic and clinical neuroscience. We are an acknowledged world leader in many key areas of neural dynamics research, from both an experimental and theoretical perspective, spanning molecular, cellular and systems levels of neuroscience. Together with experts in systems dynamics, based in the departments of Engineering Mathematics and Computer Science, the School of Mathematics, and the Bristol Robotics Lab, we can provide considerable scope for ground-breaking, integrative research projects.

Programme structure

Year One
Your first year comprises five taught units with related seminars, as well as two research projects lasting four months each, with a student conference concluding the year.

Taught units
• Foundations in Neuroscience
• Mathematical Modelling
• Computational Neuroscience
• An optional unit

These units will equip you with the necessary understanding and skills to engage with the research that will be the focus of your final three years. A tailored training plan will be drawn up for you by the programme directors and yourself.

Years Two to Four
One of the two research projects you undertook in your first year will be developed into your full PhD project, co-supervised by at least one experimentalist and one theoretician. During this period you will have the option to:
• make an international lab visit for one to three months;
or, in the final year:
• make an industrial lab visit for three to six months.

Entry requirements
A first or upper second-class undergraduate or Masters degree in a biomedical science discipline or a relevant theoretical discipline (mathematics, computer science or physics). You should also have some background in mathematics or computer science, eg A-levels or application of mathematical modelling / computational methods in undergraduate research. We are looking for talented and motivated students open to learning about new disciplines and working across different fields.

Key facts

Why choose Bristol?
Bristol has one of the largest concentrations of neuroscientists in Europe and is a major centre for basic and clinical neuroscience

Awards available PhD
Duration of programme Four years full-time
English Language Profile A
(see Introduction, ‘How to apply’, p15)
Number of places 5
Fees (per year, subject to annual increase)
Full-time: UK/EU £4,145; overseas £18,100
Part-time: UK/EU £2,073
Funding Please see p2
Website bristol.ac.uk/fmvs/gradschool
Possible start dates October 2016
Application deadline 12 noon GMT, 5 January 2016

Contact for further information
Graduate Administration Manager
Graduate Office
Medical Sciences Building
University Walk
Bristol BS8 1TD
Tel: +44 (0)117 331 1535
Email: fbs-pgenquiries@bristol.ac.uk

Applications
Details of how to apply are available at bristol.ac.uk/pg-study.
Physiology and Pharmacology

The School of Physiology and Pharmacology has an international reputation for research excellence in neuroscience, cell signalling, and cardiovascular biology. The school is highly committed to training the next generation of scientists both from the UK and internationally, taking great pride in the standard of our postgraduate provision. New students enter an exciting and vibrant research environment where we support and challenge our postgraduates to excel. All postgraduates receive extensive research and transferable skills training. The school is well supported by programme and project grants, particularly from the MRC, BBSRC, Wellcome Trust, CRUK and the British Heart Foundation. This has enabled the school to provide a vibrant environment for research in which we have over 90 PhD students at various stages in their research projects.

The majority of our postgraduate students in the course of their studies develop into highly productive researchers, publishing in leading peer-reviewed biomedical journals. Most go on to postdoctoral research in academia and industry, both in the UK and abroad. Other students use the skills gained during their study to enter postgraduate-level employment. The school is committed to promoting the advancement of women in science, and is the recipient of an Athena Silver SWAN award for our work in this area.

Research groups
The School of Physiology and Pharmacology encompasses internationally recognised research groups with interests extending from the whole animal, cell signalling and neuropharmacology to cardiovascular/respiratory function, synaptic plasticity and the study of sensory and sensorimotor systems in the intact brain. The diversity of this research is reflected in the wide range of postgraduate projects available.

A number of research groups use the world-class Wolfson Bioimaging Facility which contains the latest state-of-the-art light and electron microscopes. The school has strong links with the pharmaceutical industry and possesses a number of collaborative research programmes with several companies. The school also has numerous collaborations with clinical colleagues through which we aim to translate our basic science discoveries into the clinic, in the treatment of a wide array of diseases from neurological and neuropathic disorders to cancer and cardiovascular disease.

Entry requirements
An upper second-class honours degree (or equivalent) in a relevant subject.

To discuss potential projects and studentships available, in the first instance please contact potential supervisors directly (see School of Physiology and Pharmacology website) and subsequently, Dr Stuart Mundell, Director of Graduate Studies.

For information on international equivalent qualifications, please see bristol.ac.uk/international/countries.

Contact for further information
Ms Elaine Sparey, Postgraduate Administrator
School of Physiology and Pharmacology
Medical Sciences Building
University Walk
Bristol BS8 1TD
Tel: +44 (0)117 331 2370
Email: fbs-pgenquiries@bristol.ac.uk

Applications
Details of how to apply are available at bristol.ac.uk/pg-study.
The South West Biosciences Doctoral Training Partnership (SWBio DTP) is led by the University of Bristol, together with the Universities of Exeter, Bath and Cardiff, and Rothamsted Research. These institutions present a distinctive cadre of bioscience research staff and students, with established international, national and regional networks, and widely recognised research excellence.

The South West Biosciences Doctoral Training Partnership is one of a limited number of doctoral training partnerships funded by the Biotechnology and Biological Sciences Research Council (BBSRC) to provide PhD training across the UK in areas of strategic relevance. We provide training in two key areas: agriculture and food security, and world-class underpinning bioscience. There are approximately 23 funded studentships available each year across the partnership.

The programme will provide you with excellent cross-disciplinary research training in line with the current BBSRC strategy. You will be exposed to the expertise of all the partners by visiting / using their facilities, taking part in joint conferences, workshops and taught modules. To further the collaboration between the partnership, cross-institutional PhD projects will be featured that build on the expertise of each partner.

Research groups
Each year we advertise a variety of bioscience research projects which can be hosted across a broad range of schools. Details of current and previous research projects can be found on our website.

Programme structure
First year
In the first year we aim to deliver a broad awareness of the fundamental research approaches in life sciences and how they could be applied to real-life situations through taught units and rotation projects. You will also complete 3 common training units and also experience two laboratory-based rotation projects.

Second to fourth years
The remaining three years will be more like a conventional PhD, with progression based on year reports and vivas. You will be taking on full-time research and likely to be based in the research group of your primary/lead supervisor.

You will also have the opportunity to attend a number of annual conferences, workshops, outreach events, innovation schemes (for example the BBSRC Young Entrepreneurs Scheme) and SWBio DTP cohort activities, where you will get the chance to meet and interact with other students from the partnership.

To help identify your ongoing skills development, you will be involved in generating individually tailored Professional Development Plans that will be incorporated into an interactive website.

Professional Internships for Postgraduate Studies (PIPS)
As part of your training you will undertake a three month full-time internship (or part-time equivalent) in a non-research environment. This will give you the opportunity to broaden the scope of your experience and boost your employability post-graduation.

Entry requirements
An upper second-class honours degree (or equivalent) in biosciences, or an appropriate area of science or technology. In addition, due to the mathematical component of the first year, a minimum of a grade B in A-level Maths (or an equivalent qualification) is required.

Key facts
Why choose Bristol?
The programme is designed to provide training in cutting-edge bioscience and food security research skills

Awards available PhD
Duration of programme Four years full-time
English Language Profile C
(see Introduction, ‘How to apply’, p15)
Number of places 12
Fees (per year, subject to annual increase) Dependent on research project
Funding Please see p2
Website bristol.ac.uk/swbio
Possible start dates September 2016
Application deadline January 2016

Contact for further information
Dr Samantha Southern, SWBio DTP Hub Manager
D30c
School of Biochemistry
Medical Sciences Building
University of Bristol
University Walk
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Tel: +44 (0) 117 3311612
Email: swbio-dtp@bristol.ac.uk

Applications
Details of how to apply are available at bristol.ac.uk/pg-study.
Preparing a histology sample in the School of Physiology and Pharmacology
The information in this prospectus relates primarily to the session 2016/17 and every effort has been made to ensure it is correct at the time of going to press in August 2015. The University will use its reasonable efforts to deliver the programmes as described.

However, the University reserves the right for any reason without notice to withdraw or change any of the programmes included in this prospectus, to alter tuition fees, entry requirements, the facilities and/or services available from or provided by or on behalf of the University. You should also note that the choice of subjects may be limited by considerations of timetable, staffing and/or available places on a programme.

If you accept an offer of a place on a programme, the relationship between you and the University will be governed by the applicable Rules and Regulations for Students, which includes the Student Agreement.

Please see:
bristol.ac.uk/secretary/studentrulesregs
bristol.ac.uk/studentagreement

The University values its students and works to provide a set of support structures and a range of opportunities that will enable you to excel in every aspect of your life and make your university career a genuinely transformational experience. To help create a positive environment for learning and academic achievement, the University has established various rules and regulations that all students must follow if they accept an offer of a place to study with us. These rules and regulations include a Student Agreement, which sets out the relationship between the University of Bristol and its students. A copy of the agreement is available at bristol.ac.uk/studentagreement.

Prospective students should take into account when selecting a programme of study the inherent risks of their chosen career. For more information, see bristol.ac.uk/prospectus/postgraduate/health-safety.html.

For details of any changes made since publication, please refer to our online prospectus at bristol.ac.uk/pg-study.