



**Our PhD postgraduate research programmes are individually structured and provide our students with the opportunity to undertake original research and become an independent researcher. This enables you to make an expert contribution to a field of knowledge.**

***“Our research culture is vibrant, interdisciplinary and often translational in nature, contributing to the discovery of new knowledge relevant to biological sciences, orofacial medicine, pharmacology and public health, as well as dental science and engineering”.***

Our primary objective is to provide internationally-competitive research projects, producing highly skilled and competitive postgraduates with excellent future career prospects. To achieve this you will be supervised by an experienced academic team who are leaders within their field. The research projects therefore aligns with the supervisors' research expertise. We publicise our sponsored and self-funded projects as they become available on the School webpage: <http://www.cardiff.ac.uk/dentistry/courses/postgraduate-research>

#### ▀ **Microbial Diseases**

Research focuses on microbial biofilms in a wide range of human infections, including elucidating mechanisms of infection, and therapeutic approaches to prevent and combat microbial biofilm related infections.

#### ▀ **Advanced Polymer Therapeutics**

Informing the design, development and testing of novel polymer therapeutics in the prevention and treatment of difficult to treat often life-threatening infections.

#### ▀ **Matrix Biology and Tissue Repair**

To understand the molecular mechanisms of the interface between the extracellular matrix (ECM) and cells in health and disease, and to manipulate them to facilitate regeneration and repair processes.

#### ▀ **Mineralised Tissue Group**

Cell and matrix biology research associated with repair, regeneration and maintenance of mineralised tissues of the craniofacial complex, the underlying pathophysiology of these tissues and novel targeted drug delivery systems.

#### ▀ **Stem Cells, Wound Repair and Regeneration**

Translational research for the clinical application of stem cells in repair and regeneration of connective tissues, and novel drugs in modulating the wound healing process.

#### ▀ **Dental Public Health**

Research interests in dental epidemiology, population approaches to oral disease prevention, and appropriate antibiotic usage in dentistry.

#### ▀ **Violence Research Group**

Works on measures to reduce violence in the community with a particular interest in alcohol-related aggression.

#### ▀ **3D Facial Imaging Group**

Studies on understanding the development of the craniofacial complex and translates this knowledge into routine clinical practice and daily activities.

#### **Who studies for a research degree at the School of Dentistry?**

Biological scientists, dental and medical graduates, chemists, pharmacologists, computational scientists and mathematicians, statisticians, epidemiologists, social scientists, psychologists.

#### **Programme Structure**

Working with supervisors who are leaders in their field, students undertake an original research project over three years. Through

exploration and experimentation, your research project will provide a wide training in research methodology and technique. This enables you to gain a thorough understanding and make new contributions to a specialised subject area. Your research thesis is examined for novelty and advancement of knowledge and assessed by external and internal experts.

In collaboration with the University Graduate College, students develop invaluable generic and transferable skills to improve personal effectiveness in scientific communication, team working, networking, project design and management, decision making, creative and critical thinking.

The School actively provides opportunities to report your research through seminar series, conferences and journal publications. We also provide networking opportunities through our collaborative partnerships and University-wide networks.

#### **Research environment**

All of our students work within a highly interactive research environment that aims to provide support and co-operation from our academic staff, postdoctoral researchers and fellow postgraduate students. Our research is also supported through numerous research collaborations within the University, throughout Wales, the UK and internationally.

The Dental School provides modern laboratories and personal study areas that constitute an ideal environment to conduct your research. We also offer access to specialised equipment University wide and through the Technology facility.

#### **Why choose us?**

The results of the 2015 National Postgraduate Research Experience Survey (PRES) indicated a 92% overall student satisfaction with our courses. 100% indicated that our supervisors have the skills and subject knowledge to support your research and we received a 99% approval for our resources in supporting the progression of a PhD.

### Entry requirements

The majority of our students study for a PhD, which can be pursued full or part time. Talented applicants should normally hold a first or upper second-class Honours degree in a relevant subject area. Students with research experience from a taught Master's degree programme are strongly encouraged to apply.

International Students will be required to pass an English language (IELTS) test with a minimum of 7.0 or equivalent.

Note: International students pursuing part-time programmes of study are not eligible for Tier 4 General Student visas. They must have alternative leave to remain in the UK if they intend to study at the University in person.

We offer a limited number of Master's research degree programmes. The preferred option for international students is to undertake a taught Master's degree which offers significant research training and allows entry into PhD programmes.

### Application information

Entry requirements: Please see individual programme entries online for full details of entry requirements.

Application process: Contact the Dental School in the first instance. Applications for most postgraduate programmes can now be submitted online.



### Postgraduate Research:

**Director: Dr Vera Knäuper**  
For further information please contact

## Making your Application Postgraduate Applications

### When should I apply?

Applications will be considered throughout the year. However, early application is advisable especially if you are seeking funding. Many funding opportunities have early deadlines and will require you to have an offer from your chosen institution.

### Submitting your application

Postgraduate Taught Programmes start in September each year but applications are considered as they arrive throughout the year.

You can apply online at [www.cardiff.ac.uk/postgradapply](http://www.cardiff.ac.uk/postgradapply), or you can download paper application materials from the website. It is recommended that you apply online as it is quicker, you can upload all your supporting documents and you can track your application. Full guidance notes are available and can be accessed at each stage of your application. If you have any queries you can contact the University's Admissions Team (Tel: +44 (0)29 2087 9999 Email: [admissions@cardiff.ac.uk](mailto:admissions@cardiff.ac.uk)) or alternatively contact the School's Postgraduate Admissions and Programme Coordinator, Mrs Suzy Burnett (see 'Further Information' on bottom right).

### Postgraduate Research/ PhD/ MPhil

The application procedure for postgraduate research is the same as above, however you will also need to include a research proposal. You should also make contact with a member of academic staff who could act as a potential supervisor to your studies.

### To do this:

1. Look at the School website to see if there is a member of academic staff who matches your area of research.
2. Send an email to: [burnettsa@cardiff.ac.uk](mailto:burnettsa@cardiff.ac.uk).

**ac.uk** outlining your research interest and the name of the academic staff who could potentially act as a supervisor for your research project.

If you are unable to identify a member of staff from the website, please contact the School's Director of Postgraduate Studies, Dr Vera Knauper to discuss your project in more detail (see 'Further Information' on bottom right).

### International Students

The University recognises qualifications from all over the world. To know if you would be considered for entry you can:

- ▶ Look on the website. We have a dedicated section for many countries. This will give you an overview of qualifications we consider: [www.cardiff.ac.uk/for/international](http://www.cardiff.ac.uk/for/international)
- ▶ Contact the International Office
- ▶ Contact an educational adviser. The University has an international network of educational advisers (agents) who give free advice (see the website above for their contact details)

In addition to making your application as detailed below, you must ensure that you have a valid visa to enter the UK prior to the start of your course. The International Office can provide further guidance and support on this process.

### Your Offer

If you apply online you can track the progress of your application via the applicant portal: <http://www.cardiff.ac.uk/regis/general/howtoapply/postgraduate/index.html>.

There are two types of offer:

**Conditional:** you have been offered a place but something is missing from your application, e.g. you may need to provide evidence that you have completed a

qualification. Once you have submitted evidence that you have met the conditions, your offer will become unconditional.

**Unconditional:** If you have received an unconditional offer, in most cases all you need to do is accept the offer to secure your place.

It is important that you keep us informed of any changes to your email or home address otherwise important correspondence may not reach you.

### Equality and Diversity

Whether you're thinking about coming to Cardiff University or you're already a student here, we want to ensure that we provide the best support to all our students. The University is committed to promoting equality and diversity in all of its practices and activities, including those relating to student recruitment, selection and admission. The University aims to establish an inclusive culture which ensures equality of opportunity on the grounds of age, disability, gender, pregnancy and maternity, race (including ethnic or national origin, colour or nationality), religion or belief (including lack of belief), and sexual orientation.

### Disabilities/Special Needs

We are committed to providing an accessible environment for all students. You are encouraged to make contact prior to submitting an application to discuss individual requirements or to arrange a visit to assess the suitability of facilities. Please note disclosing a disability will not affect your chances of receiving an offer to study except where courses are subject to fitness to practice criteria.

For further advice please contact  
**Email: [disability@cardiff.ac.uk](mailto:disability@cardiff.ac.uk)**  
**Tel: +44 (0)29 2087 0004**