



CARDIFF  
UNIVERSITY

PRIFYSGOL  
CAERDYDD

School of  
Dentistry

**Postgraduate** Programmes

[www.cardiff.ac.uk/dentistry](http://www.cardiff.ac.uk/dentistry)

# Welcome

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The **only**  
**Dental**  
**School**  
**in Wales**



**Top 3**  
for dentistry in  
the UK

(The Complete University  
Guide 2020)



**100%**  
of our submitted  
research rated at  
least of international  
standard



## Ranked 1st

in its Unit of Assessment in the most recent Research Excellence Framework (REF)

## Awarded the Queen's Anniversary Prize

for Higher and Further Education

Situated in the University Dental Hospital, where there are approximately **100,000 patient contacts per year** – 75% of them directly related to clinical training of students

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# Discover your potential

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Take your education further by joining our innovative School with a family-feel.

**Join a Dental School that is ranked in the Top 3 by the Complete University Guide 2020 based on a variety of measures including student satisfaction, research quality and graduate prospects.**

The School of Dentistry has a reputation for excellence in teaching, research and clinical care, with a history of postgraduate education dating back over 40 years.

Our programmes and research degrees are designed to challenge you academically and clinically, providing you with the knowledge and ability to succeed in your future career.

We currently have a portfolio of five postgraduate taught programmes, offering master's degrees to dentists in Clinical Dentistry, Implantology, and Orthodontics, and to dentists and scientists in Tissue Engineering and Regenerative Medicine, and Oral Biology. These programmes provide high quality clinical and academic training for home and overseas students.

We also have a vibrant postgraduate research culture, which provides a range of research degree qualifications including PhD and MPhil across several stimulating themes including; Dental Public Health and Microbial Diseases.

The School's reputation has been enhanced by significant investment in our facilities, including refurbishment of research laboratories, a renovated on-site dental library and the development of a dedicated postgraduate study suite.

Our teaching is at the forefront of dental education, clinical training and research, and you will have the opportunity to work with and learn from leaders in their respective fields. You'll have access to some of the finest clinical, educational and research facilities of any UK dental school.

You will be part of the wider postgraduate community in Cardiff University, which is a member of the elite Russell Group of the UK's most research-intensive universities. You'll have access to all of the opportunities and facilities of a university that was rated the top UK Dental School in the 2014 Research Excellence Framework (REF).

All of this takes place within a friendly, supportive and professional environment within the University Dental Hospital and School in Cardiff, where we do everything we can to ensure you have the very best experience and achieve your academic and clinical goals.

# A Dental School in the heart of Cardiff

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Cardiff University School of Dentistry is the only Dental School in Wales and provides you with the opportunity to take the next step in your career.

## Location

The School is located in the University Dental Hospital on Cardiff University's Heath Park campus, a site shared with the University Hospital of Wales, the third largest university hospital in the UK. The School benefits from being located next to 100 acres of parkland and playing fields and being a walkable two-mile distance to the city centre.

Despite being based in a large hospital our School has a close-knit community with a postgraduate population of about 50 registered students. We have a dedicated postgraduate study suite available for all our students to enjoy. We also have a dedicated postgraduate team that support you and make sure you feel at home from day one.





## Facilities

State-of-the-art dental clinics are available throughout our School which facilitate chair-side teaching in a professional and caring environment. Our clinical laboratories feature the latest CAD-CAM technology and three-dimensional printing facilities for intra-oral prostheses. A £2.2M refurbishment of our pre-clinical (phantom head) teaching facilities has also been recently completed.

The top floors of the Dental Hospital and School house our dedicated research laboratories, which provide access to all of the materials and equipment necessary to conduct internationally competitive biological, clinical and translational research.



## Working together

Our close links with the National Health Service expedites access to a wide range of patients whose clinical care needs are suitable for undertaking specialist and advanced clinical teaching.

Working together we will empower you to take your next step in your career; step inside our doors and find out where you can make an impact.



## Patient contact

Because we are based in a working hospital you are instantly surrounded by both public, professionals and researchers. Our progressive healthcare education is integrated with patient care and advanced research facilities, all based in our major teaching and research centre. The academic and clinical staff within the School are recognised as being experts in their field, providing valuable clinical services to the people of Wales in addition to their academic responsibilities.



# Our research

Our world renowned research benefits greatly from the continuous flow of knowledge between both clinicians and scientists. We are constantly striving to make important discoveries that help to shape the future of health and wellbeing in society.

## CASE STUDY

### Everlasting smiles

Maria Morgan, Senior Lecturer in Dental Public Health at Cardiff University and lead for the Welsh Oral Health Information Unit (WOHIU) carried out an initial survey which demonstrated a need to address significant levels of poor oral hygiene within care homes as well as unmet dental treatment needs which impacted directly on the residents' lives.

With cross-disciplinary action from the Welsh Government to support oral health in care homes, interventions have been implemented in more than 200 care homes in Wales. This

has resulted in the training of over 3,500 care home staff in managing their residents' oral health and the creation of 328 oral care champions trained by the Community Dental Service. Approximately half of residents in participating care homes now have an oral health risk assessment and mouth care plan being delivered.

The research has been used by the NHS in England to generate health needs assessments and informed NICE (2015) guidelines for oral health. It has also been picked up internationally with similar surveys being carried out in Thailand.

## CASE STUDY

### What's in a smile?

Our faces are central to our sense of identity. They are important both in terms of expressing emotion and function. The exploration of dynamics of a smile is an ongoing topic of investigation in orthodontics and prosthodontics, whereby aesthetics of smiles are a key aspect of research in these fields. Dynamic (video) 3D shape data for all phases of a smile was considered from a sample of 60 adult British subjects.

The number of frames in the video data was approximately 100-250 frames captured during all phases of a smile for each subject. Multilevel principal components analysis (mPCA) is a statistical method that allows us

to obtain a powerful insight into the many different influences (e.g. sex, ethnicity) that can affect 3D facial shape because specific influences are isolated at specific levels of the multilevel model. A clear cycle was observed in mPCA results for this data and we saw that there were seven phases to a smile (including rest phases pre- and post-smile), namely: rest pre-smile, onset 1 (acceleration), onset 2 (deceleration), apex, offset 1 (acceleration), offset 2 (deceleration), and rest post-smile.

Speculatively, the Mona Lisa is probably in either an onset 1 (acceleration) or offset 2 (deceleration) phase. The importance of this research is that it shows that mPCA provides a viable method of treating dynamic shape data, as well as helping us to understand "what's in a smile?".



# Post graduate graduate

The image features a large, bold, sans-serif title 'Post graduate graduate' in a dark gray color. The text is arranged in three lines: 'Post' on the top line, 'graduate' on the middle line, and 'graduate' on the bottom line. The letters are filled with a grayscale image of various pills and capsules, creating a textured effect. The background is a light gray gradient.

# Our programmes

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# Clinical Dentistry - Endodontology (MClinDent)

This programme offers you the opportunity to participate in a full-time, three-year specialist training programme in Endodontology.

**This programme has been designed to enhance your lifelong learning skills, aid in developing evidence-based practice, develop advanced clinical skills to enable you to become a monospecialist in Endodontology, and, through acquisitions of research knowledge, skills and the production of a research project, facilitate further career development.**

## How is the programme structured?

This is a three year, full-time modular programme. Years one and two consist of four 30-credit modules per year while the final year consists of two 30-credit modules and one dissertation module of 60 credits. Exit awards are available for students successfully completing year one (Postgraduate Certificate) or years one and two (Postgraduate Diploma).

## How will I be taught?

Methods used throughout the programme include self-directed learning and presentation in small groups to encourage a problem-based learning method, clinical teaching and instruction, monitoring and support for the clinical portfolio, case review and discussions, guided critical reading and journal clubs and individual research guidance.

Clinical, practical and academic skills are assessed throughout this three-year course using both summative and formative assessments. Summative or more formal examinations will be taken at the end of each academic year.

## Entry requirements

The programme is currently open to international postgraduate dental students only with a BDS/DDS or equivalent, a minimum of two years' postgraduate clinical experience and a commitment to develop clinical skills to the highest standards Endodontology.

Candidates must be registered dental practitioners in their home country and will be required to comply with the University's and Cardiff and Vale NHS Trust's Occupational Health clearance including Exposure Prone Procedures (EPP). In addition candidates will be asked to provide an enhanced Disclosure Barring Certificate (DBS) or a Certificate of Good Conduct from their home country. Overseas applicants must provide proof of their English Language proficiency with an overall IELTS score of 7.0 or above (with a minimum sub score of 6.5 in each of the four sections) - this test must have been obtained within two years of commencement of study.

You are normally asked to participate in a telephone interview as part of the application process.



Cardiff University was always at the forefront in leading programmes in dentistry and it was without question my first choice for my postgraduate degree. I came here to specialise in Endodontics and left three years later equipped to tackle my chosen field with confidence. I am currently heading a dental clinic in my home country, Oman, where I am leading a team of more than 30 multi-disciplinary dental affiliated staff. My time at Cardiff University was most enjoyable since the facilities are very equipped to learn and study, the teaching faculty are the most competent and the environment is very friendly. My most enjoyable part was dealing with difficult cases and coming out with the best treatments with satisfied patients.

**Ammar Almassan, Master of Clinical Dentistry (Endodontics)**





At the end of the programme, you will be awarded the MClinDent qualification in Endodontology by Cardiff University and will be **eligible to enter the Royal College of Surgeons of Edinburgh Membership in Endodontics (MEndo) examination.**

# Clinical Dentistry - Prosthodontics (MClinDent)

This programme offers you the opportunity to participate in a full-time, three-year specialist training programme in Prosthodontics.

The programme has been designed to enhance your lifelong learning skills, aid in developing evidence-based practice, develop advanced clinical skills to enable you to become a mono-specialist in fixed and removable Prosthodontics, and, through acquisitions of research knowledge, skills and the production of a research project, facilitate further career development.

## How is the programme structured?

This is a three year, full-time modular programme. Years one and two consist of four 30-credit modules per year with the final year consists of two 30-credit modules and one dissertation module of 60 credits. Exit awards are available for students successfully completing year one (Postgraduate Certificate) or years one and two (Postgraduate Diploma).

## How will I be taught?

Methods used throughout the programme include self-directed learning and presentation in small groups to encourage a problem-based learning method, clinical teaching and instruction, monitoring and support for the clinical portfolio, case review and discussions, guided critical reading and journal clubs and individual research guidance.

Clinical, practical and academic skills are assessed throughout this three-year course using both summative and formative assessments. Summative or more formal examinations will be taken at the end of each academic year.

## Entry requirements

The programme is currently open to international postgraduate dental students only with a BDS/DDS or equivalent, a minimum of two years' postgraduate clinical experience and a commitment to develop clinical skills to the highest standards in Prosthodontics.

Candidates must be registered dental practitioners in their home country and will be required to comply with the University's and Cardiff and Vale NHS Trust's Occupational Health clearance including Exposure Prone Procedures (EPP). In addition candidates will be asked to provide an enhanced Disclosure Barring Certificate (DBS) or a Certificate of Good Conduct from their home country. Overseas applicants must provide proof of their English Language proficiency with an overall IELTS score of 7.0 or above (with a minimum sub score of 6.5 in each of the four sections) – this test must have been obtained within two years of commencement of study.

You are normally asked to participate in a telephone interview as part of the application process.



I am very proud to be enrolled in the Master of Clinical Dentistry (Prosthodontics) programme at Cardiff University because it's a well-structured programme that involves all three different disciplines of restorative dentistry. During the first year, I had the opportunity to undertake treatment for patients with complex cases under the supervision of highly skilled and experienced consultants in restorative dentistry. The School is well equipped with the latest technology in dentistry which will help you to develop your skills in your long career as a Prosthodontist. Being a graduate from Cardiff University will offer me a great potential for professional and academic development when I return to my home country. Furthermore, Cardiff is a very nice city which has a great environment for students and Welsh people are very friendly!

**Ibrahim Aziz, Master of Clinical Dentistry (Prosthodontics)**





At the end of the programme, you will be awarded the MClInDent qualification in Prosthodontics by Cardiff University and will be eligible to enter the **Royal College of Surgeons of Edinburgh Membership in Endodontics (MProsthodontics)** examination.

**Collaborate in multidisciplinary teams** and treatment of compromised patients, such as cleft lip and palate and tooth anomalies, such as hypodontia.

# Orthodontics (MScD)

The programme is designed to provide clinical and academic training for future specialists in Clinical Orthodontics in a highly professional and rewarding environment.

**Established for over 40 years and one of the longest-running clinical training programmes in the UK. The course equips you with the skills needed to perform as a competent specialist in orthodontics, with focus on the clinical, theoretical and research areas required for provision of appropriate patient care. All students will be encouraged to take the Membership in Orthodontics.**

## How is the programme structured?

The course requires full time attendance over a three-year period, with the final examination in the spring of year three.

The course consists of three main elements: a) a taught course covering evidence-based topics that are consistent with the recommendations of the World Federation of Orthodontists, European and national guidelines; b) a clinical practical element of supervised management of selected problems of dento-facial abnormality; c) a research project and preparation of a dissertation.

Throughout the programme, each student will spend five clinical half day sessions per week providing direct patient care and one session

per week attending new patient and joint clinics. One half day session per week is dedicated to academic teaching in the autumn and spring terms, and three half day sessions are timetabled for research and personal study in the autumn and spring terms. An additional session is available for research during the summer term, resulting in there being approximately 560 hours available per year for research.

## How will I be taught?

Clinical teaching and instruction will be delivered through structured sessions including seminars, case reviews and interactive clinical presentations; guided critical reading and journal clubs; research forum presentations and critical appraisal of research methodologies; individual research guidance; attendance at regional and national meetings of relevance, and self-directed learning and presentation in small group forums to encourage a problem-based learning philosophy.

There are summative and formative assessments throughout the three-year programme with research being assessed through a final dissertation in year three.

## Entry requirements

The programme is currently open to postgraduate dental students only with a BDS/ DDS or equivalent, a minimum of two years' postgraduate clinical experience and who have obtained part 1 and/or part 2 MFDS qualification.

Candidates must be registered dental practitioners in their home country and will be required to comply with the University's and Cardiff and Vale NHS Trust's Occupational Health clearance including Exposure Prone Procedures (EPP). In addition candidates will be asked to provide an enhanced Disclosure Barring Certificate (DBS) or a Certificate of Good Conduct from their home country. Overseas applicants must provide proof of their English Language proficiency with an overall IELTS score of 7.0 or above (with a minimum sub score of 6.5 in each of the four sections) - this test must have been obtained within two years of commencement of study.

You are normally asked to participate in a telephone interview as part of the application process.



The MScD Orthodontics course at Cardiff University is one of the longest running in the UK. It is renowned with a team of great researchers and a diverse group of distinguished alumni making it a great choice for me! I found the course truly enjoyable due to the welcoming nature of the supervisors and staff at the hospital. This made the work environment an exceptional experience on both a personal and professional level. The amazing amount of patient experience truly makes this programme one of the best.

**Masoumah Khuraibet, Orthodontics**





This course is recognised for training purposes by the **Royal Colleges for the Membership in Orthodontics** of both Edinburgh and the Bicollegiate examination.

**Opportunities** to receive further training in nearby district hospitals in south Wales, adding to the quality and diversity of the clinical training you receive.

The successful completion of the programme will result in the award of a **Master's Degree in Orthodontics**.

# Implantology (MSc)

This one-year, full-time modular programme is designed to provide students from a professional dental background with an extensive understanding of the science and clinical practice of implantology.

**You'll study the theoretical science through restorative treatment planning and delve into practical clinical experience by having direct management of patients requiring fixed and removable implant-retained prostheses. The course will facilitate professional and personal growth through a wide range of educational and direct clinical experiences, designed to be the most suitable combination of skills for the practice of dental implantology. Upon successful completion of the programme, an MSc in Implantology will be awarded.**

## How is the programme structured?

This is a modular programme consisting of four taught core modules (Part One) and a dissertation (Part Two). In Part One, each module is credit-rated at 30 M-level credits. The modules are Research Methodologies, Cellular and Molecular Biology, Restorative Dentistry and Implantology, delivered concurrently over a 26-week period.

Following satisfactory completion of the assessed course work and examinations in Part One, you will go on to Part Two of the course; the dissertation. You will be required to complete and submit a clinically or laboratory-based research project (60 credits) to obtain a Master's degree in Implantology.

To be eligible for the award of the Postgraduate Certificate in Restorative Dental Practice, you must have completed modules one and three of the course, which will give you the knowledge, intellectual, practical and transferable skills appropriate to a qualification in Restorative Dental Practice and its practical application.

## How will I be taught?

The modules that are studied will be taught through lectures, seminars and project-based learning, as well as extensive clinical teaching.

Clinical, practical and academic skills will be assessed throughout this course using both summative and formative assessments. Summative or more formal examinations will be taken at the end of Part One of the programme before proceeding to the dissertation element.

## Entry requirements

Applicants should have a minimum 2:2 Bachelor of Dental Surgery or equivalent and have obtained at least 2 years' clinical experience. Applicants should have completed any current training or education course and be available to study full-time in Cardiff for the duration of the course.

Candidates must be registered dental practitioners in their home country and will be required to comply with the University's and Cardiff and Vale NHS Trust's Occupational Health clearance including Exposure Prone Procedures (EPP). In addition, candidates will be asked to provide an enhanced Disclosure Barring Certificate (DBS) or a Certificate of Good Conduct from their home country. Overseas applicants must provide proof of their English Language proficiency with an overall IELTS score of 7.0 or above (with a minimum sub score of 6.5 in each of the four sections) – this test must have been obtained within two years of commencement of study.

You are normally asked to participate in a telephone interview as part of the application process.



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MSc Implantology of Cardiff University offers advanced knowledge of surgical and restorative Implantology in a friendly and well-equipped environment. It is an experience of a lifetime, that I totally recommend to every dentist!

**Sofia Paikou, Implantology**

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You'll treat **real patients** under **expert supervision**.

You'll participate in the full spectrum of **contemporary implant practice** where all forms of bone and soft-tissue grafting are undertaken.

Direct management of patients requiring fixed and removable implant-retained prostheses.

# Oral Biology (MSc)

This MSc aims to provide detailed academic insight into understanding the structure and biology of oral tissues and their interaction with oral microflora relative to a range of dental diseases.

**Oral biology is a broad scientific discipline that encompasses a range of basic and applied sciences. Its teaching has significant value in translational and commercial research as applied to treating dental and oral diseases; diseases that remain prevalent in both developed and developing countries.**

**Our course has a strong focus for educating current biological understanding relevant to microbiology, connective tissue biology, inflammatory diseases, cancer and developmental and repair processes. Notably this course offers basic research training now often expected for entering a PhD programme of study. Subject to fee status you may apply for the MSc in Oral Biology as a 1+3 year programme of study, continuing into a PhD programme within the School upon obtaining a Master's degree qualification.**

## How is the programme structured?

The programme consists of four taught modules covering Research Methodologies, Cellular & Molecular Biology, Stem Cells & Regenerative Medicine and Tissue Engineering: From concept to clinical practice. Following successful completion of the taught modules, you can then delve into a five-month research project, matching the academic expertise of the School.

## How will I be taught?

You will be taught by research academics with international standing and 3\* and 4\* publications identified within the recent Research Excellence Framework (REF 2014), placing us as one of the top-ranked institutions in the UK.

You will experience a positive and interactive teaching environment. Teaching will be predominately academic-led, small group, seminar-based teaching, with opportunity for critical discussion and student-centred tasks.

The course is assessed via written examinations alongside student-led presentations, extended essays and the preparation of a research project protocol, which are used to encourage self-directed learning and enhancement of critical appraisal skills and independent thought.

## Entry requirements

Applicants must hold a minimum of a Bachelors degree such as a BDS or honours BSc in a dental, allied clinical, biomedical subject or an equivalent international qualification.

Overseas applicants must provide proof of their English Language proficiency with an overall IELTS score of 6.5 or above (with a minimum sub score of 5.5 in each of the four sections).

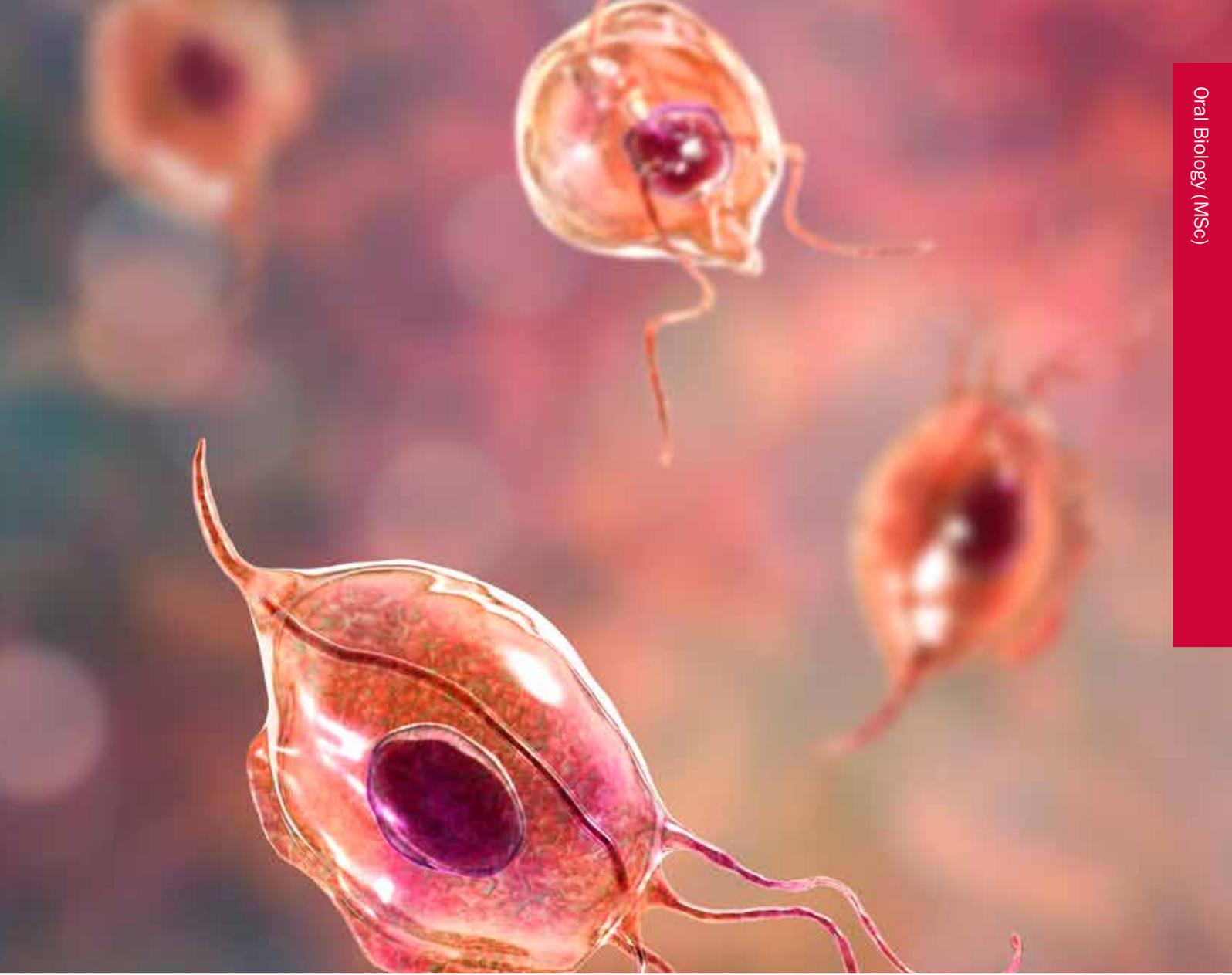
Applicants who have studied through the medium of English or have a UK degree award may not be required to sit a formal test.



After completing my first degree in Dental Hygiene and Therapy, I chose to complete an Oral Biology MSc. I have found the course quite challenging but really enjoyable. The studying was intense but the material we learnt, and the delivery of the lectures was fantastic. The support and open-door policy from all tutors were really valuable. One of my favourite parts of the course was integrating with other MSc students as we built a postgraduate family. My 5-month research project looked into electrical fields and how/if they cause directional migration of Dental Pulp Stem Cells (DPSCs). I looked into the response of single cells and clustered DPSCs at a specific voltage to identify if the cells migrated. The course has allowed me to reach my full potential. Now I have finished the MSc in Oral Biology, I have started on a graduate entry BDS Dental Surgery programme.

**Khushbu Morar, Oral Biology**





Our course delivers **research-led teaching** and discussion in oral cell biology and microbiology, allowing you to develop critical opinion.

You will study the principles and application of a range of research methods and techniques to **enhance interpretation of research findings**.

You'll undertake research projects supervised by senior academics with **internationally cited publications** within their research field.

# Tissue Engineering and Regenerative Medicine (MSc)

Delivered by internationally recognised research scientists and clinicians, this one-year, full-time MSc aims to provide you with knowledge, understanding and skills in the science and practice of tissue engineering and regenerative medicine.

**Tissue engineering and regenerative medicine is an inter-disciplinary research field, combining life sciences, biomaterials and engineering, with an aim to regenerate, repair or replace damaged and diseased cells, tissues or organs. The research area requires knowledge of physiology in health and disease combined with an understanding of materials science, stem cell biology and other emerging technologies to develop non-cellular and cellular-based clinical treatments.**

**With an ageing population and chronic diseases on the rise, there is a need for more effective medical treatments and therefore a need for trained tissue engineering researchers with the necessary skills to deliver these technologies.**

## How is the programme structured?

The course is split into a taught component (Stage 1) to include four modules and a research component (Stage 2).

## How will I be taught?

Stage 1 involves small group teaching, laboratory sessions, interactive workshops, tutorials and visits to relevant hospital clinics and local companies involved in producing tissue engineering and regenerative medicine therapies. Modules include: Research Methods; Cellular and Molecular Biology; Stem Cells and Regenerative Medicine; and Tissue Engineering from Concept to Clinical Practice. Modules are assessed by written assignments, presentations and formal examinations.

Stage 2 consists of a 5-month, laboratory-based research project. Projects are chosen by students from topics supplied by academic supervisors across the Cardiff Institute of Tissue Engineering and Repair (CITER). Previous student projects have been in research areas such as stem cell biology, cartilage, bone, skin, oral tissues, fibrosis, biomaterials and drug delivery. Stage 2 culminates in the submission of a dissertation and a poster presentation at the CITER annual conference.

You will acquire and develop skills specific to tissue engineering and regenerative medicine as

well as generic employability skills. Through the programme, you will develop technical laboratory skills and will be given opportunities to enhance your communication and presentation skills. You will also acquire skills in collecting, analysing and interpreting quantitative and qualitative data.

## Entry requirements

Applicants are required to have a minimum 2:2 undergraduate degree in a relevant discipline and may come from either a life science, biomedical sciences, pharmaceutical sciences, bioengineering or clinical (MBChB/ MBBS/BDS) background.

Overseas applicants must provide proof of their English Language proficiency with an overall IELTS score of 6.5 or above (with a minimum sub score of 5.5 in each of the four sections).

Applicants who have studied through the medium of English or have a UK degree award may not be required to sit a formal test.



After finishing my Bachelor's degree in Biochemistry in Spain, I was looking for a more specific and challenging field. I got interested in the development of tissues by 3D bioprinting and so I chose to focus on this. The facilities were incredibly good, and I found all the staff really helpful and always open to questions and new ideas. In my project I focused on the development of a new fibrin-based bioink that will hopefully help in the creation of a human skin model. The design of the composition of this bioink was challenging as there was not any previous work done with it in the model of bioprinter used in the lab, this is what made the project even more interesting and exciting for me. I would totally recommend this course to any person with a high interest in research and willing to focus their future career in a developing field as it will offer many opportunities.

**Gabriela Velásquez Díaz, Tissue Engineering and Regenerative Medicine**





Teaching is delivered by academics across the interdisciplinary **CITER network** and further benefits from industrial and clinical visits.

Our course was the **first of its kind in the UK**, building on Cardiff University's research excellence and critical mass of tissue engineering researchers across CITER.

Develop a **five-month research project** and present a poster at a local research conference

# Postgraduate research PhD programme

Our PhD postgraduate research programme offers PhD training opportunities from the study of basic disease mechanisms, tissue engineering, translational therapeutic approaches to epidemiology and violence research.

**Our objective is to train highly skilled and competitive postgraduates, with excellent future career prospects. To achieve this, you will be supervised by experienced academic teams, who are research leaders in their field. The research projects align with our supervisors' research expertise.**

## 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, unique technical support team and fellow postgraduate students. Our research is also supported through numerous research collaborations within the University, throughout Wales, the UK and internationally.

We provide laboratories and personal study areas that make an ideal environment to conduct your research. You will have access to specialised equipment University wide and through the Central Biotechnology Services facility.

## Programme structure

Working with supervisors, you will undertake original research projects over three years. Project specific training in research methodology and technique is obtained through experimentation or exploration. We offer an in-house statistics course to advance your statistical knowledge and critical analysis skills. This enables you to make new contributions to the advancement of knowledge, which will be assessed by external and internal experts.

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

## Entry requirements

The majority of our students study for a PhD, which can be pursued full or part time. 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.

Overseas students applying for **non-clinical PhD/MPhil** study will be required to submit an IELTS overall test result of 6.5 (with a minimum sub score of 5.5 in each of the four sub sections) or an acceptable equivalent qualification.

Overseas students applying for **Clinical PhD/MPhil** study will be required to submit an IELTS overall test result of 7.0 (with a minimum sub score of 6.5 in each of the four sub sections) or an acceptable equivalent qualification.

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 publicise our sponsored and self-funded projects as they become available on the School webpage: [www.cardiff.ac.uk/dentistry/courses/postgraduate-research](http://www.cardiff.ac.uk/dentistry/courses/postgraduate-research)





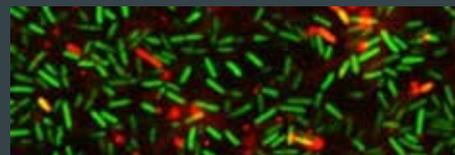
### Microbial Diseases

Our research has significant focus on the involvement of microbial biofilms in a wide range of human infections.



### 3D Facial Imaging Group

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



### 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

Our research aims to understand the molecular mechanisms of the interface between the extracellular matrix (ECM) and cells in health and disease. Tissue engineering approaches are used to facilitate regeneration and repair processes.



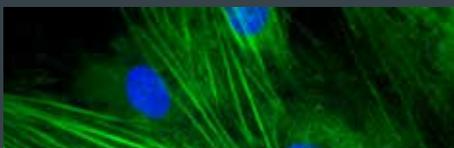
### Violence Research Group

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



### Dental Public Health

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



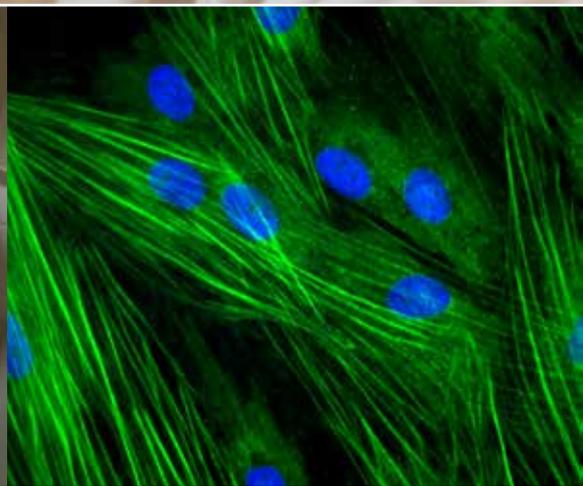
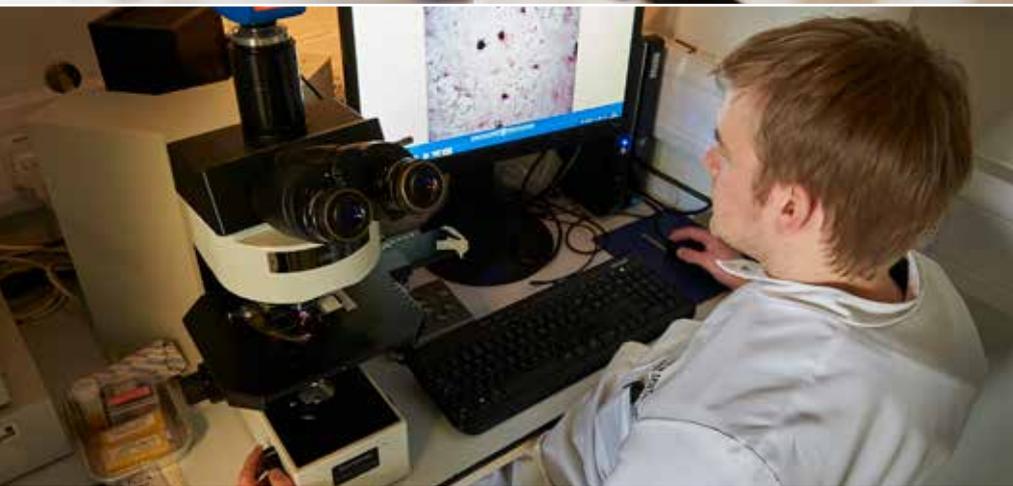
### Regenerative Biology Group

Our research aims to enhance understanding of the cellular and molecular mechanisms regulating the repair and regeneration of oral, dental, dermal and neural tissues, during health and disease.

**100% of students understood their responsibilities as a research degree student and 93% agreed that their skills in applying appropriate research methodologies, tools and techniques have developed during the programme.**

2018 National Postgraduate Research Experience Survey (PRES)

You'll have the opportunity to join the University's Doctoral Academy, a supportive community and comprehensive training programme for you to develop your research and professional skills.



# A Dental School with global impact

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We provide you with the opportunity to make a positive impact on the world; locally, nationally and internationally.



Progressive healthcare education and patient care are successfully integrated with our research facilities in our **major teaching and research centre**.

Our academic and clinical staff are recognised as being **world-leading experts** in their fields. They provide valuable clinical services to the people of Wales in addition to their academic responsibilities.

Our research has a strong focus on translational research and in **delivering significant impact** in improving clinical practice for patients, society and the economy.

We have a research strategy which takes work from the initial idea and laboratory stages to implementation.

In achieving this aim, much of our research is conducted in **collaboration with research groups outside of Cardiff University** including other UK, European and world-wide academic institutions, government and non-government organisations, the NHS and industry.

Our research delivers societal change,  
diagnostics and novel therapies.

**Join us and find out where you  
can make your impact.**

# Next steps

## When to 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/study/postgraduate/applying/how-to-apply](http://www.cardiff.ac.uk/study/postgraduate/applying/how-to-apply)  
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)

## 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 [DentalPGAdmissions@cardiff.ac.uk](mailto:DentalPGAdmissions@cardiff.ac.uk) outlining your research interest and the name of the academic staff member who could potentially act as a supervisor for your research project.

## International students

The University recognises qualifications from all over the world. To know if you would be considered for entry you can visit our website: [www.cardiff.ac.uk/study/international](http://www.cardiff.ac.uk/study/international)

We have a dedicated section for many countries, international agents and contact details for further information.

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. Our international office can provide further guidance and support on this process.

## Your offer

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 contact details 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 you. 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.

For further information, please visit: [www.cardiff.ac.uk/public-information/equality-and-diversity](http://www.cardiff.ac.uk/public-information/equality-and-diversity)

### Important Legal Information

Every effort has been made to ensure that the information contained within this brochure is correct at the time of going to press in February 2020. However, there is a lengthy period of time between printing this brochure and applications being made to and processed by Cardiff University.

Please check our website at [www.cardiff.ac.uk](http://www.cardiff.ac.uk) before making an application in case there are any changes to the course you are interested in or to other facilities and services described here. Where there is a difference between the contents of this brochure and our website, the contents of the website take precedence and represent the basis on which we intend to deliver our services to you.

**Your degree:** Students admitted to Cardiff University study for a Cardiff University degree.

Cardiff University is a registered charity, no. 1136855.

## Further information

Tel: +44 (0)29 2074 4251

Email: [DentalPGadmissions@cardiff.ac.uk](mailto:DentalPGadmissions@cardiff.ac.uk)



# Cardiff: a capital city

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## Dynamic. Friendly. Affordable.

Contemporary, welcoming and easy to get around, Cardiff is a city with character, heritage and ambition. Bursting with culture, cuisine, architecture, entertainment and history, Cardiff is widely recognised as an outstanding place in which to live, work and study. The city is also budget-friendly: Cardiff was recently ranked as the UK's most affordable university city (Natwest Student Living Index 2019).



“

With an exhilarating mix of heavyweight cultural sights, exciting regeneration projects, world-class sport, a prolific music scene and some seriously banging nightlife, it's easy to see why Cardiff now ranks alongside London and Edinburgh as one of the UK's most compelling destinations.

ROUGH GUIDES, 2018

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# Why Cardiff University?



## World-leading research

Cardiff is in the top tier of Britain's research universities and is a member of the prestigious Russell Group. We're ranked second nationally for research impact, and in the top 5 universities for research excellence in the UK.

## 95%

The most recent DLHE\* survey shows that 95% of our postgraduate research students and 93% of our postgraduate taught students progressed to employment or further study within six months of graduation.

\*Destination of Leavers from Higher Education (2016/17)

## £600 million

We're undertaking our biggest campus upgrade for a generation by investing £600m to improve and develop our facilities and infrastructure.

## Teaching excellence

We have a long history of providing outstanding research-led teaching. We're ranked among the top 40 universities in Europe for teaching excellence (Times Higher Education Europe Teaching Rankings, 2019).

## An international community

With over 7,900 international students from more than 130 countries, you'll be part of a vibrant community that celebrates its diverse culture.

## 7

We've been awarded seven Queen's Anniversary Prizes, which recognise world-class excellence in UK Higher Education. We're also home to a large cohort of distinguished staff, including two Nobel Prize winners and 13 Royal Society Fellows.

**CARDIFF**  
UNIVERSITY

PRIFYSGOL  
CAERDYDD

To find out more about the  
School of Dentistry  
please visit our website:  
[www.cardiff.ac.uk/dentistry](http://www.cardiff.ac.uk/dentistry)

### Contact us

Tel: **029 2087 4251**

Email: **DentalPGadmissions@  
cardiff.ac.uk**

**School of Dentistry**  
Cardiff University  
Heath Park  
Cardiff  
CF14 4XY

### Stay in touch

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 @CardiffDental

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