



**School of Dentistry**  
**Postgraduate Taught Programmes**

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

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# Welcome to Cardiff University School of Dentistry...



The choice of university for your postgraduate study is one of the most important decisions you will make in your educational and working life, providing you with the skills and experience you need for your chosen career.

The School of Dentistry in Cardiff has a reputation for excellence in teaching, research and clinical care, with a history of postgraduate education dating back over 40 years. This reputation has been enhanced by significant investment in the School's facilities, including refurbishment of research laboratories and the development of a dedicated postgraduate student study suite. We were also recently ranked 1st among all UK dental schools in the Guardian Good University Guide 2016 and the top UK dental School in the 2014 Research Excellence Framework (REF).

The School currently has a portfolio of four postgraduate taught programmes, offering master's degrees in Clinical Dentistry, Implantology, Orthodontics and Tissue Engineering. These programmes provide high quality clinical and academic training for home and overseas students. This quality is reflected in the School's performance in the Higher Education Academy (HEA) 2016 Postgraduate Taught Experience Survey (PTES) and

Postgraduate Experience Research Survey (PRES).

The School also has a vibrant postgraduate research culture, which provides a range of research degree qualifications including PhD, MPhil and Master of Dental Science. Information on all of these opportunities can be found within these pages, with more detail available via our website at [www.cardiff.ac.uk/dentl](http://www.cardiff.ac.uk/dentl).

Our faculty are at the forefront of dental education, clinical training and research, and all of our postgraduate students have the opportunity to work with and learn from leaders in their respective fields. Students also have access to some of the finest clinical, educational and research facilities of any UK dental school. Our programmes and research degrees are designed to challenge our students academically and clinically, providing them with the knowledge and abilities to succeed in their future careers.

All of this takes place within a friendly, supportive and professional environment within the University Dental Hospital and School in Cardiff, where the staff are assisting you in achieving your academic and clinical goals. You will also 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 will have access to all of the opportunities and facilities of a university that was rated first in the UK for Environment in REF 2014.

Finally, you will be living and studying in the beautiful city of Cardiff, generally regarded as one of the finest places in which to study in the UK. As a national capital, but also a relatively small and compact city, it

has a wealth of easily accessible cultural, sporting and leisure facilities for you to enjoy. Our students find it the perfect setting for their academic and clinical education.

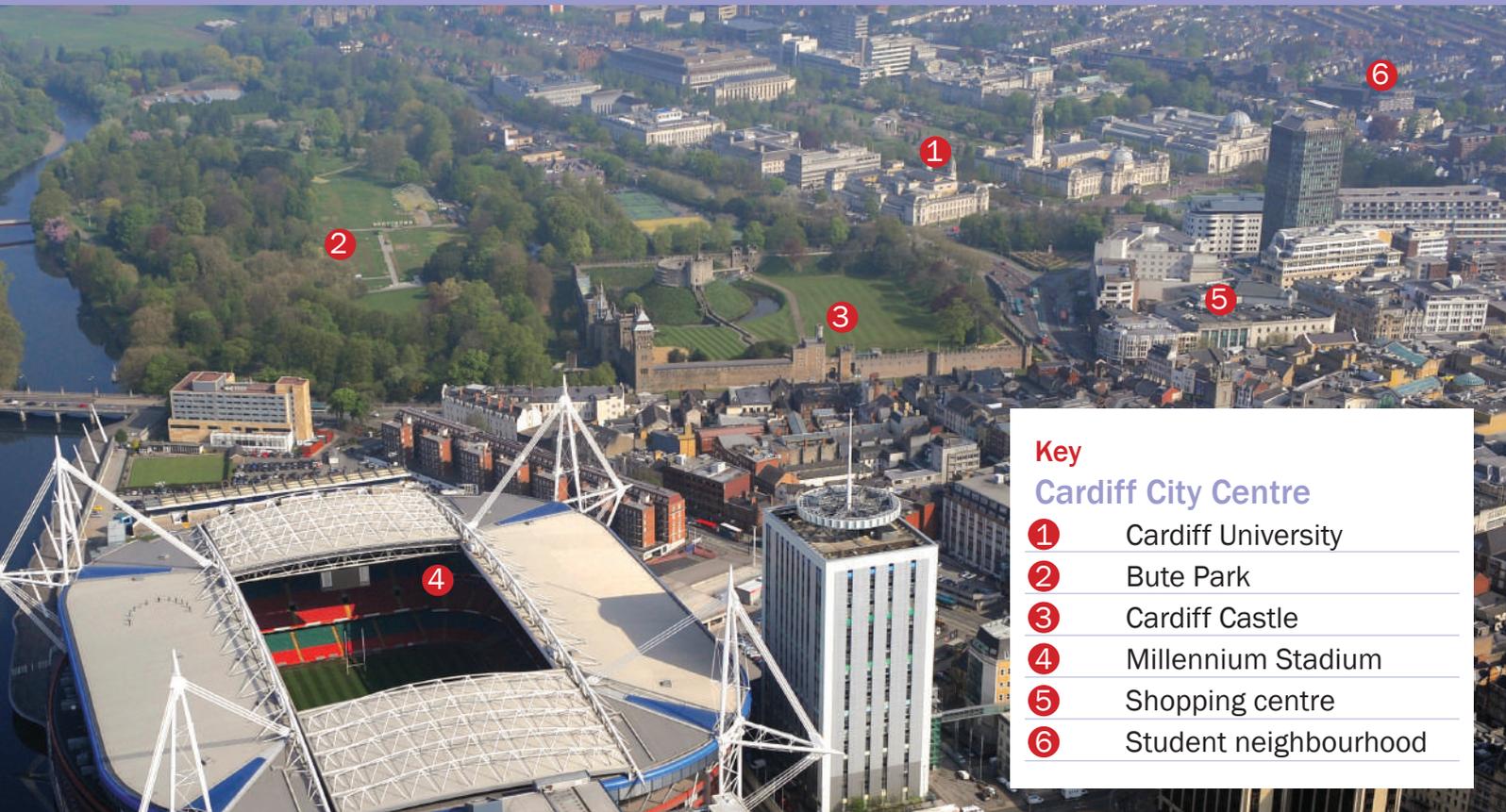
Thank you for your interest in the School of Dentistry at Cardiff University. I hope this brochure provides you with all the information you need to join us in Cardiff, but please do not hesitate to contact the School directly if you require any further details. I wish you every success in your future studies and look forward to welcoming you to our School in the future.



*Michael A. O. Lewis*

Professor Michael A. O. Lewis

# Cardiff: the Capital City of Wales



## Key

### Cardiff City Centre

- ① Cardiff University
- ② Bute Park
- ③ Cardiff Castle
- ④ Millennium Stadium
- ⑤ Shopping centre
- ⑥ Student neighbourhood

Cardiff is a thriving and attractive city that is widely recognised as an outstanding place in which to live and study.

## Location

Cardiff is located on the coast of South Wales, which has beautiful national parks and beaches only 30 minutes away. Cardiff is approximately 230km (145 miles) west of London and is easily accessed by train in about two hours. Cardiff has excellent transport links (it is ranked first in the UK for the most transport friendly city) with an international airport that has flights to many cities in Europe.



## The perfect student city

Cardiff is a small city with a population of about 340,000 people. Approximately 20% of the population are students, which makes it safe, friendly and affordable (see pages 6-7). Cardiff, however, is also a capital city with all the culture, sports, shops, entertainment, work opportunities and atmosphere you would expect of a modern European metropolis.





With its distinctive character, high quality of life, and growing national and international reputation, it hosts many high-profile sporting and cultural events, including international rugby, soccer, cricket, motor sport and Cardiff Singer of the World. It is also home to the biannual Artes Mundi exhibition and prize (the UK's biggest art prize).

Home to the world-renowned Welsh National Opera, it boasts prestigious concert venues such as the Wales Millennium Centre, St David's Hall and the Motorpoint Arena, as well as the iconic Millennium Stadium, the National Museum and Gallery of Wales, several theatres and the historic Cardiff Castle.

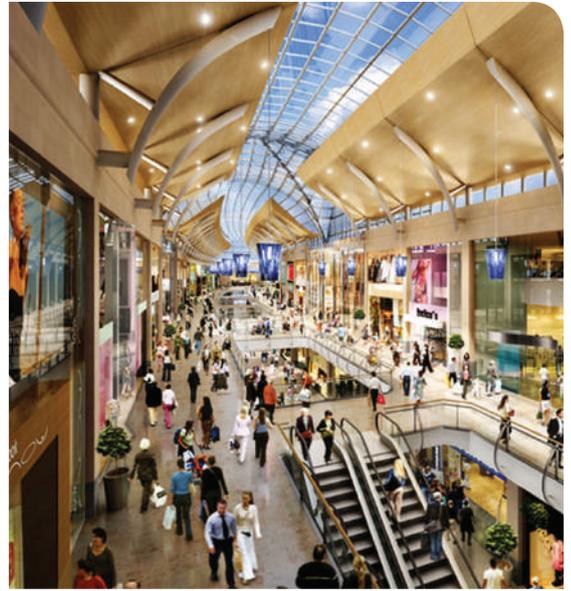
Cardiff is the location for award-winning television productions, including Doctor Who, Sherlock,

Torchwood and Casualty, and the Doctor Who Experience in Cardiff Bay is a popular new attraction.

This means you get a small inexpensive city you can easily walk around, but also an exciting city where there is always something to do. To find out more about the city of Cardiff visit: [www.cardiff.ac.uk/postgradlife](http://www.cardiff.ac.uk/postgradlife)

### **A diverse, international city**

Cardiff was one of the UK's first multicultural cities and an estimated 94 languages are spoken here. This is a real benefit for international students because many of the food and ingredients you use in your country are also sold in Cardiff. You can also be assured that there are many religious and cultural facilities across the city, including mosques, synagogues, churches and temples.



## 10 Facts

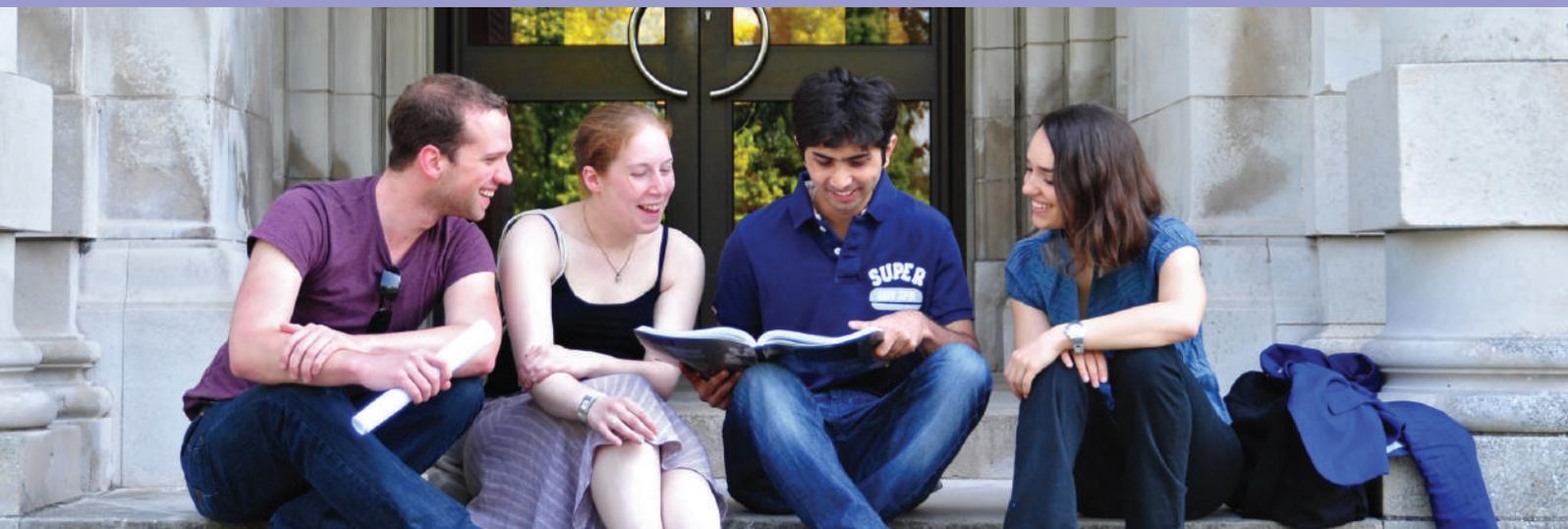
- ▶ Cardiff University is in the city centre of Cardiff
- ▶ Cardiff Airport has more than 30 flights a day to UK and European cities
- ▶ Cardiff is only 2 hours from London by train
- ▶ Cardiff has a 70,000 seater stadium, an international sports village and a football league soccer club: Cardiff City FC Cardiff has more than 330 parks and gardens
- ▶ Residents voted Cardiff one of the best cities to live in Europe (Urban Audit Sponsored by the European Commission)
- ▶ The popular TV shows Doctor Who and Torchwood are filmed in Cardiff
- ▶ Selected as the European Capital of Sport for 2014
- ▶ Named sixth best shopping destination in the UK. Cardiff has a new £675 million shopping centre in the city centre
- ▶ Welsh is Europe's oldest living language and is spoken by 20% of the population



## Weather in Cardiff

The average temperature in Cardiff in winter is 7°C, and in summer temperatures can reach up to 30°C. With four seasons, the weather in the UK is generally unpredictable and can vary considerably; however, Cardiff experiences less rainfall than other areas of Wales and is consistent with the rest of the UK.

# Cardiff: the University



Cardiff University has an international reputation for excellence in teaching and research, built on a history of service and achievement since 1883, and recognised by our membership of the Russell Group of leading research-led universities.

## A History of Achievement

The University was founded in 1883 when it was granted its own Royal Charter. Today, we are a member of the Russell Group of the UK's top 24 research-intensive universities. We attract students from more than 100 countries and our research funding from the Research Councils, public bodies, industry, commerce and other sources exceeds £100m annually. We have celebrated a number of notable achievements during the past few years. For example, Cardiff University was ranked fifth amongst UK universities when judged on research quality and second when judged on impact in the 2014 Research Excellence Framework, a prestigious national assessment exercise carried out periodically by the UK funding councils. This has confirmed our place as a world-leading centre of research excellence. Our research staff are world-class and include Nobel Laureates, fellows of the Royal Society and members of other prestigious institutions. We were also awarded our fifth Queen's Anniversary Prize – an award that recognises universities and colleges across the UK for work of outstanding excellence.

We actively pursue collaborations that will help us to deliver social and economic benefits for Wales, the UK and the world. We are currently part of the GW4 Alliance

and have strong high quality engagements with the Welsh public sector, Welsh Higher Education partners, International Universities and Welsh Business and Industry. Looking to the future, further partnerships and collaboration are central to our mission to be a world-leading university; internally – through interdisciplinary teams – and externally, through links with organisations of all types, nationally and internationally.

## Location

Our Cathays Park campus is located in and around the impressive Portland stone buildings, parks and wide tree-lined avenues that form Cardiff's attractive civic centre. The majority of academic schools are located here - just a few minutes' walk from the city centre. The four academic schools offering healthcare courses (excluding Optometry and Pharmacy) are based at the Heath Park campus, approximately one mile away, which is also home to the University Hospital of Wales.

## Facilities

Although dating from 1883, we are focused on the 21st century, and have modern state-of-the-art buildings and facilities. We have recently unveiled plans to invest over £300m in new buildings to

provide state-of-the-art research, teaching and student facilities which will include the world's first Social Science Research Park, a purpose-built Centre for Student Life, a new learning resources centre/library and a Translational Research Facility designed to turn academic research into applications in the real world.

## Facilities and Services for Postgraduates

We are committed to providing high quality facilities and services to meet the specific needs of our postgraduate community.

## The Graduate Centre

Our Graduate Centre is dedicated to meeting the needs of postgraduate students, through provision of a wide range of study and social resources and services, exclusive to postgraduates, which complement those offered by our academic schools. The Centre provides a focal point for the broader taught and research postgraduate community, giving you the opportunity to meet and socialise with others in a friendly and relaxed environment. A smaller facility is located on the Heath Park Campus for postgraduates studying in the School of Dentistry.



## 10 Facts About Cardiff University

- ▶ We came 5th in the UK based on research quality (REF 2014) and top 1.5% in the world (QS World Ranking)
- ▶ We are a member of the elite Russell Group of top 24 UK research-led universities
- ▶ We have more than 28,000 students from more than 110 countries
- ▶ Employment rates for our students are higher than the UK average (HESA 2012/13)
- ▶ Accommodation in University residences is guaranteed for most international students and is within walking distance of the University
- ▶ We have 18 libraries, 28 IT suites, a Wi-Fi enabled campus and more than 1.5 million books
- ▶ The University is on two campuses at the very centre of Cardiff, the capital city of Wales. Cardiff is only two hours from London by train
- ▶ Our teaching was given the highest possible award in the last UK Government review. Our degree programmes are also recognised by more than 40 professional bodies
- ▶ The University generates more than £100m annually from research grants and contracts
- ▶ University Professor Sir Martin Evans FRS is a Nobel Prize winner for Medicine

### Study Facilities

There is wireless access to the University's computing network throughout the Graduate Centre and a dedicated computer room with 35 networked terminals, printers, scanner and photocopier. Five meeting rooms provide space for study and project groups, training workshops, seminars, presentations and meetings. A reading room offers individual quiet study space for up to 35 people. The Lounge provides an informal space for group study, as well as additional computing. At Heath Park, there is a study room which is also equipped with a projector and a whiteboard, so it can be booked by postgraduates for seminars or meetings.

### Social Venue & Activities

The Graduate Centre hosts a programme of social events specifically for postgraduates, to give you the opportunity to meet and get to know your fellow students. These include two weeks of welcome events for new students in October, plus film nights, quiz nights during the autumn term, a summer party in June and other one-off events throughout the year. They also run a programme of coach trips with excursions to various UK destinations such as Oxford, Stonehenge, Longleat Safari Park and more. The Café Bar is modern and cosy, providing space for postgraduates to relax with friends, watch TV, play on the Wii, and take a break from their studies. It can also be booked free of charge for

postgraduate-led events. At Heath Park, the social space also includes a TV, BluRay player and Wii console. There is a licensed bar service, run by the Students' Union, which is open some week nights and for special events.

### The University Graduate College

The University Graduate College supports the work of our academic Schools and supervisors and enhances the experience of postgraduate research students by:

- ▶ Fostering an intellectually stimulating environment through encouraging postgraduate research students to become part of the wider research community
- ▶ Providing a comprehensive, integrated skills development programme for research students
- ▶ Ensuring a quality research experience by working with Schools, supervisors and postgraduate research students to provide information and guidance based on the University's Code of Practice for Research Degrees
- ▶ Developing the facilities and services for postgraduate researchers

The formal training available to postgraduate research students is known as the University Graduate College Programme for Postgraduate Researchers.

**Looking to the future, further partnerships and collaboration are central to the University's mission to be a world-leading university . . .**

# Accommodation

**Your Guarantee of Accommodation**  
International/  
EU postgraduate  
students are guaranteed  
a single-occupancy place in  
University residences for the full  
duration of your studies.

This is provided you apply through  
the normal admission and allocation  
process, and re-apply for  
residences each year through  
the overseas returners  
process.



We know that where you live is very important to you. You will want to settle quickly and live in a secure, well-located, sociable location that is also a suitable study environment.

## This is why Cardiff University provides all international/EU postgraduate students guaranteed accommodation in one of our highly-ranked University residences.

We have numerous residences, each with different facilities, in different locations and at different costs. All international/EU postgraduate students are guaranteed a single occupancy place in University residences for the duration of their studies providing you submit an online application and make a pre-payment by the specified deadline.

Living in a University residence provides an opportunity to meet and get to know students from a variety of backgrounds, studying a range of different subjects.

our choices include:

- ▶ Single or mixed gender accommodation
- ▶ Private or shared bathrooms. About 70% of University residences have private bathrooms (en-suite)

- ▶ Self-catered, part-catered or fully catered (with vegetarian options)
- ▶ A variety of social and sporting facilities

There is a very limited supply of residences suitable for couples and families. We are therefore unable to guarantee this type of residence and priority in the allocation process is given to students coming from overseas for their first year of study. You should not bring your family to Cardiff until suitable accommodation has been secured.

### Close to the School

Cardiff's residences are very well located, with many residences being a short distance from the School. The majority of students are able to walk or cycle easily to their lectures every day.

### Safe and supportive

One of the advantages of University residences is the support you are offered. Each residence has a network of administrative staff, student wardens and security staff that provide 24-hour assistance. Only students, guests of students and staff are allowed on University residences sites. This makes them safe and secure.

### What do University residences provide?

A typical apartment in University residences includes six study bedrooms. Six occupants share a kitchen and every student has their own bedroom. Each room has a bed, desk, chair, wardrobe and storage, so you won't need to buy additional furniture. Halls of Residence bedrooms are also connected to the University network and highspeed internet. In your flat you will have access to a shared kitchen/dining room. This area includes a cooker, refrigerator, sink, table and chairs. If you choose en-suite, you will have your own bathroom with shower.

### How much do University residences cost?

The cost of residences depends on several factors, including the residence you choose, length of stay, meal options and whether you want private bathroom facilities. University residences are very good value as the cost includes water, electricity, security, furniture and internet access. As everything is included in one price, it helps you more easily budget.

For the 2014/15 year self-catering residences ranged from £82 - £115

a week. Part/fully catered residences ranged from £99 – £119 a week. Rooms with private bathrooms are generally more expensive than rooms with shared bathrooms.

## Private Sector Accommodation

For UK students and any international or EU students who wish to rent privately owned accommodation, there is a great choice of accommodation available for rental in the city – including a good variety within walking distance of the University and city centre.

The University's Residences Office can help by providing you with lists of properties that are currently available to rent. Detailed advice on tenancy agreements and other aspects of living in private sector accommodation is available via the University's Student Support Centre or the Students' Union Advice and Representation Centre. The Students' Union also runs a letting agency, details of which can be found at: [www.cardiffstudentletting.com](http://www.cardiffstudentletting.com)

If you are looking for private accommodation, you should arrange to visit Cardiff before the start of term as it is not advisable to arrange such accommodation either by post or telephone. When you come to Cardiff for this purpose, you can take advantage of low cost accommodation in our halls, provided your visit is outside term-time and that you arrange this with us in advance. Details can be found at: [www.cardiff.ac.uk/summer](http://www.cardiff.ac.uk/summer)

## How does Cardiff compare with other places?

Cardiff has many advantages which make it a cheaper place to study than other university cities. These include:

- ▶ Cardiff is a compact city and the University is in the middle – therefore you won't have far to travel between the University, city centre shops and your accommodation.
- ▶ Cardiff is also very flat, making it easy to walk or cycle around. You won't need to spend money on buses or taxis.

- ▶ Cardiff council runs bicycle and car sharing schemes. This will make it even easier for you to get around without large extra costs.

## Living Expenses

We estimate that a single student in Cardiff would need £800 a month.

These estimates are based on the actual experiences of students living in Cardiff. This means that a postgraduate student (September – June) needs £9,573 a year.

These estimates include accommodation, bills, food, books, clothes, travel, telephone and social expenses.

If you are intending to bring family members such as a spouse or child, you will need to have at least an extra £400 a month for each family member.



# About the School of Dentistry...

**Cardiff University School of Dentistry is the only dental school in Wales, and provides unique and important leadership in dental research, teaching and patient care.**

**The School is located at the University Dental Hospital on Cardiff University's Heath Park campus, a 53-acre site shared with the University Hospital of Wales.**

Progressive healthcare education and patient care are successfully integrated with world famous research facilities in this major teaching and research centre. The academic and clinical staff within the School are recognised as being world-leading experts in their fields, providing valuable clinical services to the people of Wales in addition to their academic responsibilities.

The School offers postgraduate higher degrees by research and taught programmes, many of the latter being

linked to specialist training. The School currently has a postgraduate population of over 50 registered students.

The School has modern facilities to support its clinical, educational and research activities. State-of-the-art dental clinics are available throughout which facilitate chair-side teaching in a professional and caring environment. Our clinical laboratories feature the



*Entrance foyer to Mountain Ash Teaching Unit*

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 is scheduled for completion in

2016. A dedicated postgraduate student study suite is available and students are supported by the latest Information Technology to aid learning. 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. Our close links with the National Health Service expedite access to a wide range of patients whose clinical care needs are suitable for undertaking specialist and advanced clinical teaching.

The sizeable investment in staff and facilities in recent years has helped the School achieve unprecedented levels of success. The quality of our postgraduate courses is consistently reflected in student satisfaction surveys.

The Dental School was recently ranked Number 1 in the Guardian Good University Guide 2016. The School was also ranked top in its Unit of Assessment in the latest Research Excellence Framework.

# Why Cardiff University School of Dentistry?



The Cochrane Building

*"The course has a good reputation back home, and was recommended to me by a friend who had graduated from here. The city also seemed to offer a better quality of life than somewhere like London. Cardiff is a very safe and friendly student town, with a great atmosphere."*

**Nouf Shaabin**

MScD in Orthodontics, graduated 2013

*"I decided Cardiff was the place for me as I loved the city, there was lots going on and, above all, the University had an excellent reputation with good facilities and support for students."*

**Rachel Howard-Jones**

MSc in Tissue Engineering, graduated 2009, PhD 2012

*"I had a friend who graduated from Cardiff and recommended the School. Living here is also a great opportunity to practice my language skills. I had an offer to study in Japan, but chose to study in Cardiff due to the good reports I had heard from graduates."*

**Ala Al Ali**

MScD Orthodontics, graduated 2013

*"Cardiff is the smallest capital city in Europe so everything is close together which gives it the advantage over the world's larger cities. It is a beautiful and quiet place to study".*

**Amin Alemam**

Master's in Clinical Dentistry - Current Student

## Key Facts about the School of Dentistry

- ▶ The only dental school in Wales
- ▶ The Dean of the School, Professor Mike Lewis, is also the Director of the Clinical Board for Dentistry of the Cardiff & Vale University Health Board responsible for patient care for 155,000 clinical contacts annually
- ▶ The School is ranked 1st in the Guardian Good University Guide 2016 and 2nd for Dentistry in the UK in The Times Complete University Guide 2016
- ▶ Ranked 1st in its Unit of Assessment in the most recent Research Excellence Framework (REF)
- ▶ Refurbishment of clinical facilities taking place within the School, including the £1.5million refurbishment of the 34-chair Oral Health Clinic and a £2.2M refurbishment of pre-clinical training facilities (phantom head)
- ▶ Awarded the Queen's Anniversary Prize for Higher & Further Education
- ▶ Located at the University Dental Hospital, where there are approximately 155,000 patient contacts per year – 75% of them directly related to clinical training of students
- ▶ Dedicated, modern postgraduate study facilities available in the School, to include on-site library facilities



Mountain Ash Teaching Unit

# Master's in Clinical Dentistry



The programme offers students the opportunity to participate in a full-time, three year specialist training programme in either Endodontology or Prosthodontics.



***“The programme has been designed to enhance student life-long learning skills, aid in developing evidence based practice,***

***develop advanced clinical skills to enable students to become mono-specialists in Endodontology or fixed and removable Prosthodontics, and, through acquisitions of research knowledge, skills and the production of a research project, facilitate further career development.”***

*Professor Paul Dummer,  
Endodontic Lead*

The programme has a conjoint arrangement with the Royal College of Surgeons of Edinburgh and the M Pros RCS (Ed) and M Endo RCS (Ed) qualification is awarded at the end of the programme in addition to the MClIn Dent qualification.

## Programme Structure

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 consisting of two 30-credit modules and one dissertation module of 60 credits. Exit awards are



*“I have spent three years in the MClInDent (Endodontology) programme at Cardiff University. My first impression was how friendly and nice the staff in general were. Everyone was very welcoming and made me feel part of the family straight away.*

*The programme is led by world renowned professors and excellent supervisors who share their experience and knowledge generously and provide us with all that we need. There are lots of clinical sessions each week which provide us with the necessary clinical skills needed.*

*The programme also provides a chance to take the Royal College of Surgeons Exam. Overall I was extremely happy my experience at Cardiff University and would recommend the programme for future students.”*

**Khalid Alghalayini  
- Saudi Arabia**



available for students successfully completing year one (Certificate) or years one and two (Diploma).

## Learning & Teaching Methods

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.

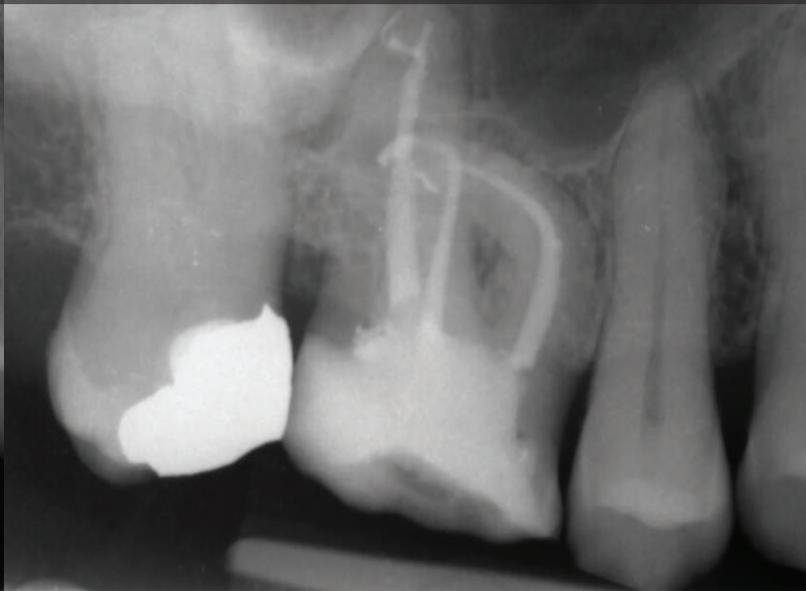
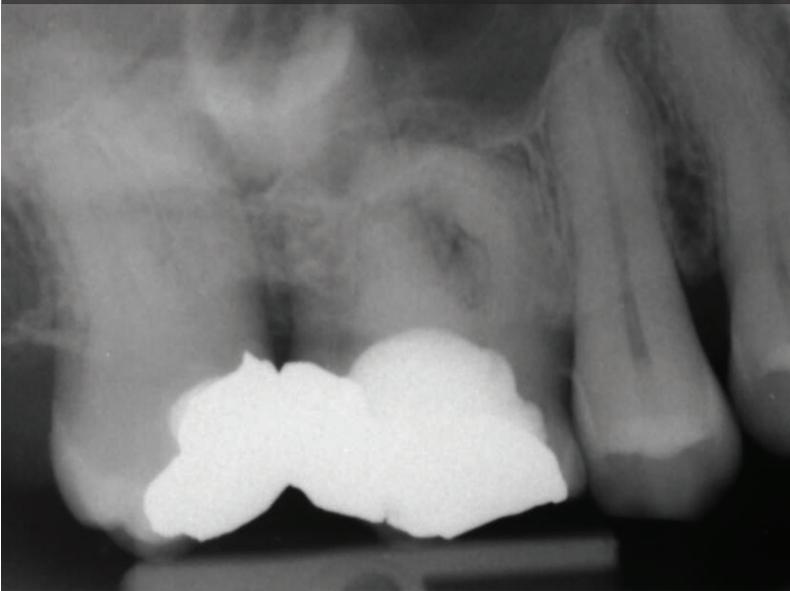
## Assessment

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

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 or Endodontology. Candidates must be registered dental practitioners in their home country and meet Cardiff & Vale University Health Board requirements to hold an Honorary Clinical Contract

Radiographs below show completed root canal treatment of the maxillary right first permanent molar



Management of Toothwear using Composite Resin

[Occupational Health clearance including Exposure Prone Procedures (EPP) and Criminal Records Bureau (CRB) clearance (Enhanced)]. Applicants must also provide proof of their English Language proficiency (IELTS score of 7.0 or above). Potential candidates are normally asked to participate in a telephone interview as part of the application process.



**Master's of Clinical Dentistry (Endo/Pros):**

Programme Lead: Professor Jeremy Rees

For further information please refer to the contact details on page one



"My postgraduate training as a student studying on the Master of Clinical Dentistry Programme (Prosthodontics) in the School of Dentistry, Cardiff was a very fulfilling experience. As an international student it was encouraging to enter a very warm and friendly environment with highly supportive members of staff, i.e. academic and library staff, dental nurses and technicians. These aspects made my experience of studying in Cardiff truly remarkable.

During the three years I was enrolled on the programme, I received comprehensive training. In the first year I studied general restorative dentistry and went on to receive advanced Prosthodontics training in the second and third years of study. I am fortunate to have been trained by excellent restorative consultants who specialise in different areas such as Tooth Wear, Implantology, Periodontology Endodontology, Complex Fixed and Removable Prosthesis, Maxillofacial Prosthesis and Hypodontia cases. They have all provided expert guidance and imparted their invaluable knowledge to me. Through their guidance I have become a Specialist in the area of Prosthodontics.

Throughout the Master of Clinical Dentistry training programme the focus of the teachers is to prepare and coach students to be able to attain the Master of Clinical Dentistry in their chosen speciality, and sit the Royal College of Surgeons of Edinburgh Membership Diploma Examination in Prosthodontics or Endodontology. The Conjoint Examination is held at the end of year three of study. There has been high success rates for these examinations.

As a newly-qualified Prosthodontics Specialist, I am now very confident in the diagnosis, treatment planning and management of complex fixed and removable prosthodontic including tooth wear management, implant placement surgery and implant supported prosthesis, full mouth rehabilitation and aesthetic cases. I owe my success to the effort and teaching skills of all my supervisors and the consultants who were involved in my training. I would like to take this opportunity to express my appreciation and sincere gratitude to Professor Jeremy Rees as Programme Lead of the course, and his team as a whole for their enthusiastic commitment to their work.

I am proud to be a graduate of the School of Dentistry, Cardiff University."

**Safa Somi - Iran**



# Master's in Implantology



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 practice of implantology; from theoretical science through restorative treatment planning to clinical practice in the direct management of patients requiring fixed and removable implant-retained prostheses.

***“The aim of the course is to afford individuals the opportunity to explore and analyse, in an interdisciplinary environment, existing and developing theories/ concepts that underpin the field of implantology.”***

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.

At the successful conclusion of the programme, an MSc in Implantology (minimum 180 credits) will be awarded.

Alternative exit points are also provided for a Postgraduate Diploma in Restorative and Implant Dental Practice (minimum of 120 credits) and a Postgraduate Certificate in Restorative Dental Practice (minimum of 60 credits).

## **Programme Structure**

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.

of the course; the Dissertation. Students 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, students must have completed modules One and Three of the course, which will give them the knowledge, intellectual, practical



*Prof. Thomas (far left), clinical team and students*

Following satisfactory completion of the assessed course work and examinations in Part One, students will go on to Part Two

and transferable skills appropriate to a qualification in restorative dental practice and its practical application.



MSc Implantology Students



**Learning & Teaching Methods**

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

**Assessment**

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**

Applications will be accepted from graduates with a minimum 2:2 Bachelor of Dental Surgery or equivalent and a registerable dental qualification. International applicants must provide proof of their English Language proficiency (IELTS score of 7.0 or above). Applicants are expected to have completed or be about to complete any current training or education course and be available to study for the full duration of the course of study in Cardiff. Applicants with relevant work or professional experience following graduation are encouraged to apply.



**MSc Implantology:**

Programme Lead:  
Professor David Thomas

For further information please refer to the contact details on page one



*"I enrolled on the MSc Implantology programme in 2014-15.*

*I feel that the course modules are well spread, and hence we tend to cover a range of topics. Along with discussions on surgical and restorative basis of dental implants and treatment planning, we also covered, in depth, the reasoning behind the failures that occur, in the Cellular and Molecular Biology module.*

*The module on research methodology has been very helpful, as it gave me a fair idea of methods available for conducting research and making use of softwares to aid in our research.*

*The introduction to the lab and choosing a lab-based project gave me a very good exposure to the working environment in labs. It adds to my understanding on the basis of bacterial resistance to drugs, and has motivated me to carry forward lab-based research along with clinical practice.*

*My supervisors have been very friendly and helpful throughout the course, and I have thoroughly enjoyed working with them. The best part of having four consultants for the clinical teaching is that they may have different experiences and opinions on the use of materials that has helped me build a strong knowledge base.*

*I would certainly recommend this course to all."*

**Himanshu Kishnani - India**  
MSc Implantology 2014-15



# MScD in Orthodontics



**Established for over 40 years and one of the longest-running clinical training programmes in the UK, the programme is designed to provide clinical and academic training for future specialists in Clinical Orthodontics in a highly professional and rewarding environment.**



***“The course equips students 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 as well”***

Professor Stephen Richmond, MScD  
Orthodontics Programme Lead

The three-year, full-time course is open to Home, EU and Overseas students. The successful completion of the programme will result in the award of a master’s Degree in Orthodontics. The course is also recognised for training purposes by the Royal Colleges.

Students are trained in the University Dental Hospital in Cardiff and there are opportunities to receive further training in nearby district hospitals in South Wales,

adding to the quality and diversity of the clinical training they receive. Most students spend two days per week in their allocated district hospitals.

## **Programme Structure**

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.

## **Learning & Teaching Methods**

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.



*“Cardiff University is a great place to be both academically and socially. Not only are all of the staff friendly and supportive, there is also a lot of interaction*

*between the year groups which overall provides a great support network to enable me to enjoy my time here.”*

**Stacey Quach -  
United Kingdom**





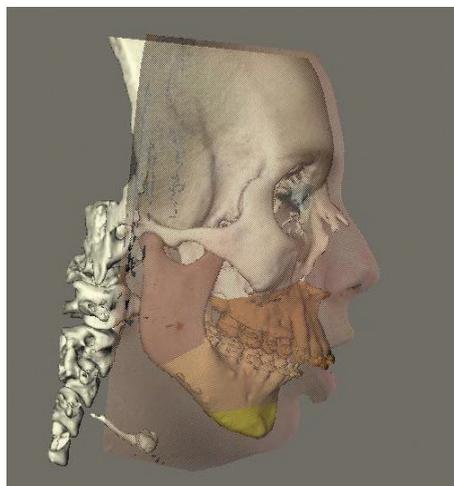
Right to left: Preparation of the teeth prior to fixed appliance placement, Pre-adjusted edgewise bracket repositioning

## Assessment

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

## Entry Requirements

Applications will be considered from registered dental practitioners. International applicants must provide proof of their English Language proficiency (IELTS score of 7.0 or above). Short-listed applicants will be interviewed by the course committee.



3D orthognathic planning simulation



*"The entire MScD in Orthodontics experience has been wonderful. The course has allowed me to*

*treat a variety of clinical cases, where I have received great support from tutors and colleagues alike. I have developed an entirely new set of skills from the research component, many of which can be also used outside the world of orthodontics! I have met some of the friendliest people in my life here in South Wales, and have spent some weekends visiting the beaches, the waterfalls, the Brecon Beacons and Cardiff Bay, all of which are very close by. I think the key message is that not only have I been learning for the past three years, I have also thoroughly enjoyed them!"*

**Jiten Vadukul -  
United Kingdom**



*"I have thoroughly enjoyed my time here at the Orthodontic department in Cardiff Dental School. I have always felt well supported and*

*also felt that the supervisors on clinic are all very easily approachable, which helps to create a comfortable open learning environment. Cardiff City is also a wonderful place to train with fantastic countryside and beaches within easy reach."*

**Will Fitzpatrick -  
Gibraltar**

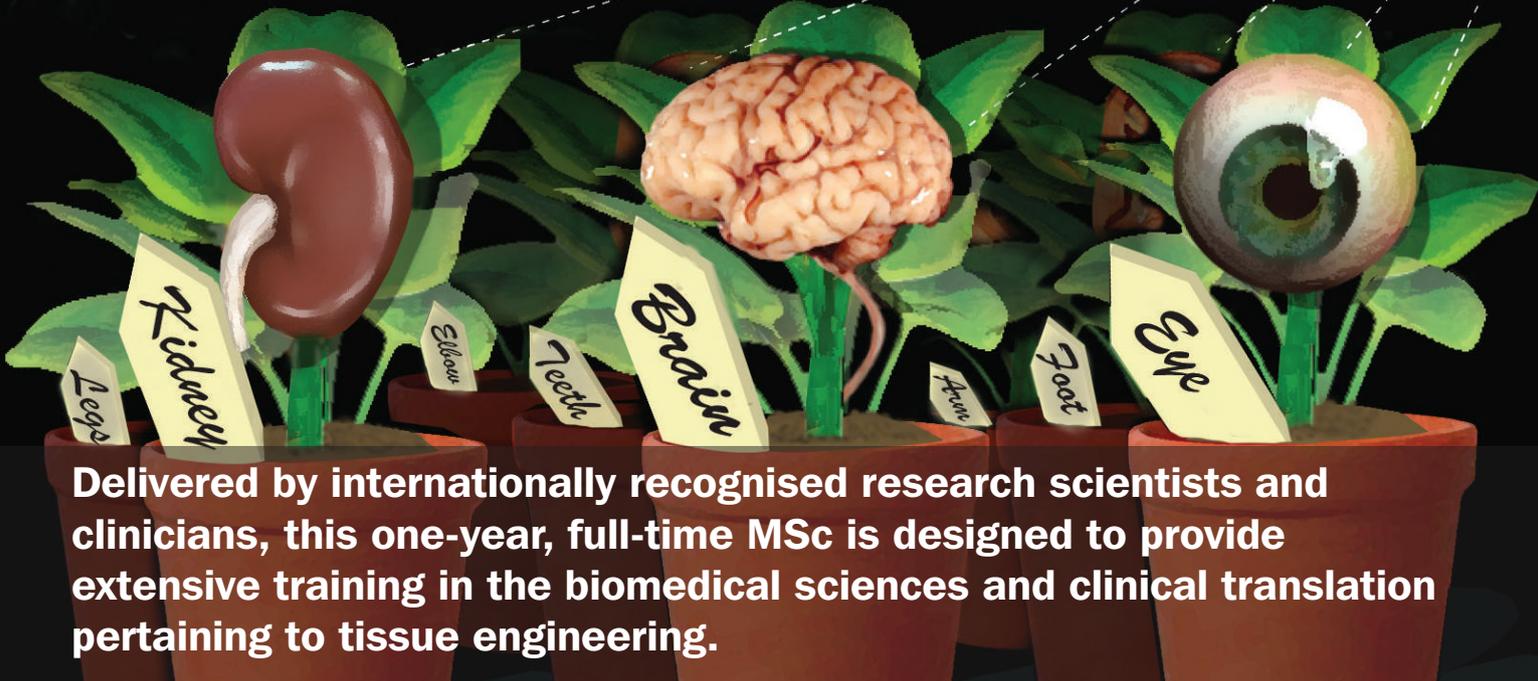


## MScD in Orthodontics:

Programme Lead:  
Professor Stephen Richmond

For further information please refer to the contact details on page one

# Master's in Tissue Engineering



**Delivered by internationally recognised research scientists and clinicians, this one-year, full-time MSc is designed to provide extensive training in the biomedical sciences and clinical translation pertaining to tissue engineering.**

## Programme Structure

Course Elements	October - March	April – September
Taught Modules (Stage 1)	Research Methodologies	
	Cellular & Molecular Biology	
	Stem Cells and Regenerative Medicine	
	Tissue Engineering: From Concept to Clinical Practice	
Research Project (Stage 2)		Laboratory Research Project and 20,000 word dissertation
- All students are required to pass Stage 1 before progressing onto Stage 2 -		

## Why Study Tissue Engineering?

Tissue engineering is an inter-disciplinary research field, combining life, biomaterial and engineering sciences, to progress the maintenance, repair and replacement of damaged / diseased tissue. Tissue engineering research has grown in prominence over the last decade, largely due to the recognised need to address chronic diseases in ageing populations. The research area applies an understanding of normal tissue physiology, to develop non-cellular and cellular-based therapies for clinical application. Therefore, to achieve the successful translation of therapies for clinical application, there is a growing need for trained tissue engineering researchers with the necessary skills in these multidisciplinary technologies.

The modular programme has a strong clinical focus and offers excellent transferable skills training for employment in biomedical and clinical research environments.

The MSc is managed by the Schools of Dentistry, Medicine and Biosciences, under the auspices of the Cardiff Institute of Tissue Engineering & Repair (CITER; [www.cardiff.ac.uk/citer](http://www.cardiff.ac.uk/citer)). CITER is an interdisciplinary research network between the Schools of Biosciences, Chemistry, Dentistry, Engineering, Healthcare Studies, Medicine, Optometry, Pharmacy and Social Sciences. MSc students study within a multidisciplinary community with internationally excellent academic, research and clinical expertise.



*"The MSc Tissue Engineering programme is a fantastic course teaching the ethical, social, clinical and biomolecular aspects of modern tissue engineering and translational research with a final six month dissertation project in a world class laboratory."*

*The course attracts students from all over the world and provides many opportunities to engage in a supportive and friendly environment. For me this course was vital for my progression to becoming an independent researcher. I found that the lectures were really engaging allowing me to develop my knowledge of tissue engineering, which I applied to my laboratory project. For me the project was the best part of this course, as it allowed me to develop key laboratory skills and undertake novel research on wound healing in a world class facility."*

Jabur is now a PhD student investigating Orthopaedic infection, July 2015

**Jabur Khan -  
United Kingdom**

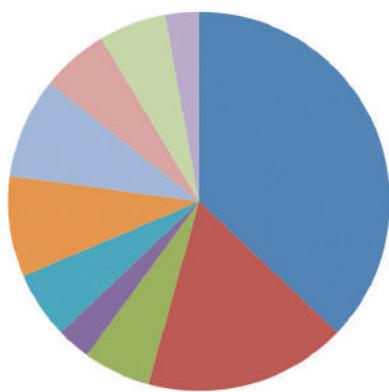


## Learning & Teaching Methods

This course is taught via varied interactive teaching methods including lectures, seminars, clinical attachments,



CITER MSc student during their stage 2 laboratory research project



- PhD, CITER
- PhD, Other UK University
- PhD, Europe
- PhD, USA
- SPR Training
- Graduate-Entry Medicine
- Industry
- Clinical Laboratory Facility
- Teaching
- Unknown

CITER MSc student career paths, post-MSc completion (2006-14)

industrial visits, practical laboratory sessions and workshops.

Collaborative and student-centred learning is adopted via group and via individual assignments designed to develop critical thinking and problem solving.

Students undertake a focused research project reflecting their research interests, which is written up as a final dissertation.

### Why choose us?

Cardiff University has a strong interdisciplinary critical mass of researchers for Tissue Engineering providing for specialised teaching

and a wide choice of research projects. 97% of our graduates have progressed onto career paths highly relevant to the Tissue Engineering, including PhD programmes within Cardiff, other UK and overseas Universities, Graduate-Entry Medicine, Specialist Registrar Training, Teaching and positions in Industry or Clinical Laboratories.

### Entry Requirements

First or second-class honours degree in a Bioscience-related subject MBChB / MBBS or BDS.

International applicants must provide proof of English Language proficiency (IELTS 7.0 or higher).



*“The lecturers at Cardiff University were wonderful, as each lecture was presented by experts in their fields, giving in-depth accounts of current research.”*

*The Programme integrated biological sciences with biochemical engineering; and even connected the course contents with visits to relevant hospital clinics and local industrial companies. The most appealing aspect for me was the research project. I was given a variety of projects to select from and the opportunity to meet each supervisor individually, before deciding which project to choose. The research environment was very friendly and I gained a lot of relevant experience during the six month project, which prepared me for my PhD and future career as an independent researcher.”*

Amr has now completed his PhD studies and is currently a Postdoctoral Researcher within CITER.

**Amr Alraies - Saudi Arabia**



### MSc Tissue Engineering:

Programme Lead:  
Dr Ryan Moseley

*For further information please refer to the contact details on page one*

# International Students (Non-EU Countries)

**As an international student, you have access to a personal and dedicated service from the International Office to help with your application and make the transition to studying at Cardiff.**

## Supporting International Students

The University has a long tradition of welcoming international students and prides itself on providing a supportive environment. Some of the benefits for international students studying at Cardiff University include:

- ▶ **Guaranteed accommodation**  
Cardiff is one of the few universities that guarantees accommodation to single international students for the duration of your course, as long as you apply through the normal admissions cycle and appropriate allocations process. The accommodation is in a variety of high quality student residences which are close to campus. You can find out more on the web: [www.cardiff.ac.uk/residences](http://www.cardiff.ac.uk/residences)
- ▶ **Help before you arrive**  
The International Office will send you detailed information on how to apply for your visa, travelling to Cardiff and the other necessary arrangements you will need to make to prepare for studying in the UK.
- ▶ **The induction programme**  
In September and January each year, the International Office organises a comprehensive orientation programme for new students. In September this includes free collection from Cardiff and Heathrow (London) airports.
- ▶ **International student advisors**  
In addition to the support provided by your School, the University has specially-trained international student advisors to provide you with assistance on any issues including visas and finances.
- ▶ **International student societies**  
The Students' Union is home to more than 20 international student societies. The societies run social and cultural events and organise the annual Go Global international culture festival. There is also space within the Students' Union for students to meet and relax.
- ▶ **International careers advice**  
The University's Careers Service has a Careers Consultant for International Students, and provides

resources to help you research career paths and opportunities.

## Meet the International Office in your Country

Staff from the International Office also travel to more than 30 countries each year so you can meet University staff and discuss your study options in person. Look at the International Office website: [www.cardiff.ac.uk/international](http://www.cardiff.ac.uk/international) for more details of where we are travelling and sign up to receive notifications of visits.

## Help Making an Application in your Country

In addition to help provided by the International Office, you can get assistance from the University's network of educational advisors. To find out whether we have an educational advisor near you, visit the International Office website and select your country: [www.cardiff.ac.uk/international](http://www.cardiff.ac.uk/international)

## English Language Requirements

All students must have a standard of written and spoken English that will enable you to benefit fully from lectures, seminars and tutorials. The English Language qualifications accepted by the University include IELTS and the minimum standards required are listed on the website. You are advised to check the website for the most up-to-date information:

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

The Postgraduate taught programmes offered by the School of Social Sciences require a minimum IELTS overall score of 6.5 in writing and 5.5 in the other sub-sections. The exceptions are the MSc Science, Media and Communication and the MSc Skills and Workforce Development. For PhD study, a score of band 7.0 on IELTS is required where English is not a first language or for those who have not had a substantial part of their education taught in the English language.

## English Language Support

Our English Language Programmes are available to full-time International and EU

(non-UK) students studying or intending to study at Cardiff University. Language and Skills courses are offered throughout the year and last from eight weeks to nine months. They are designed to improve your general and academic English.

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

## Applying to Cardiff University as an International Student

To apply to Cardiff as an international student you follow the standard procedure as outlined on page 22. You do, however, have access to additional support from the International Office.

## The International Office

As an international student you have access to a personal and dedicated service from the International Office to help with your application and make the transition to studying at Cardiff. Please contact us; we are here to help.



## Further Information:

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

**Tel:** +44 (0)29 2087 4432

**Skype:** [cardiffuni\\_international](https://www.skype.com/people/cardiffuni_international)

**Facebook:** [www.facebook.com/cardiffinternational](https://www.facebook.com/cardiffinternational)

**Web:** [www.cardiff.ac.uk/international](http://www.cardiff.ac.uk/international)

# 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).

### 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/international](http://www.cardiff.ac.uk/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 - please see our website for more details.

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)

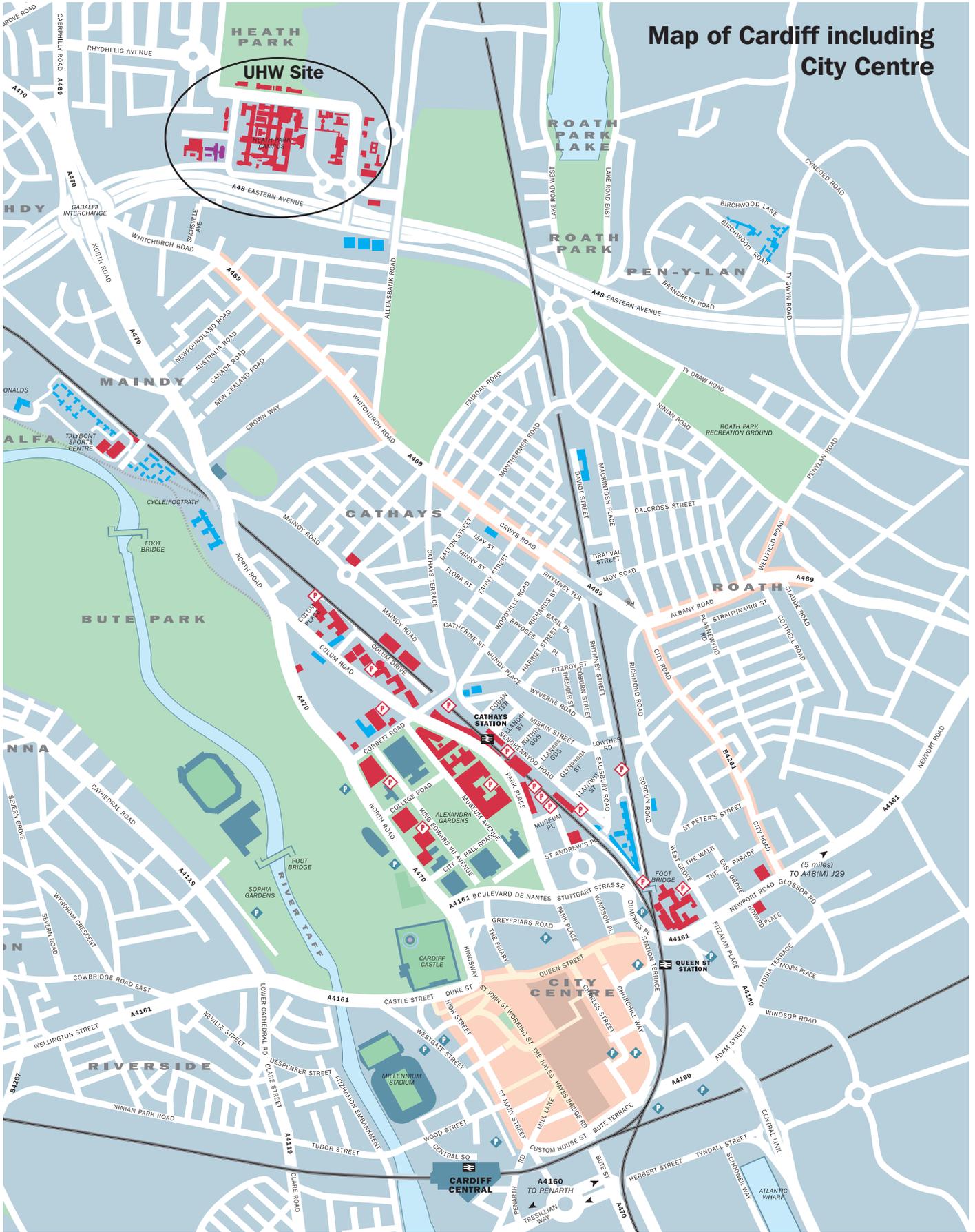
**Tel:** +44 (0)29 2087 0004



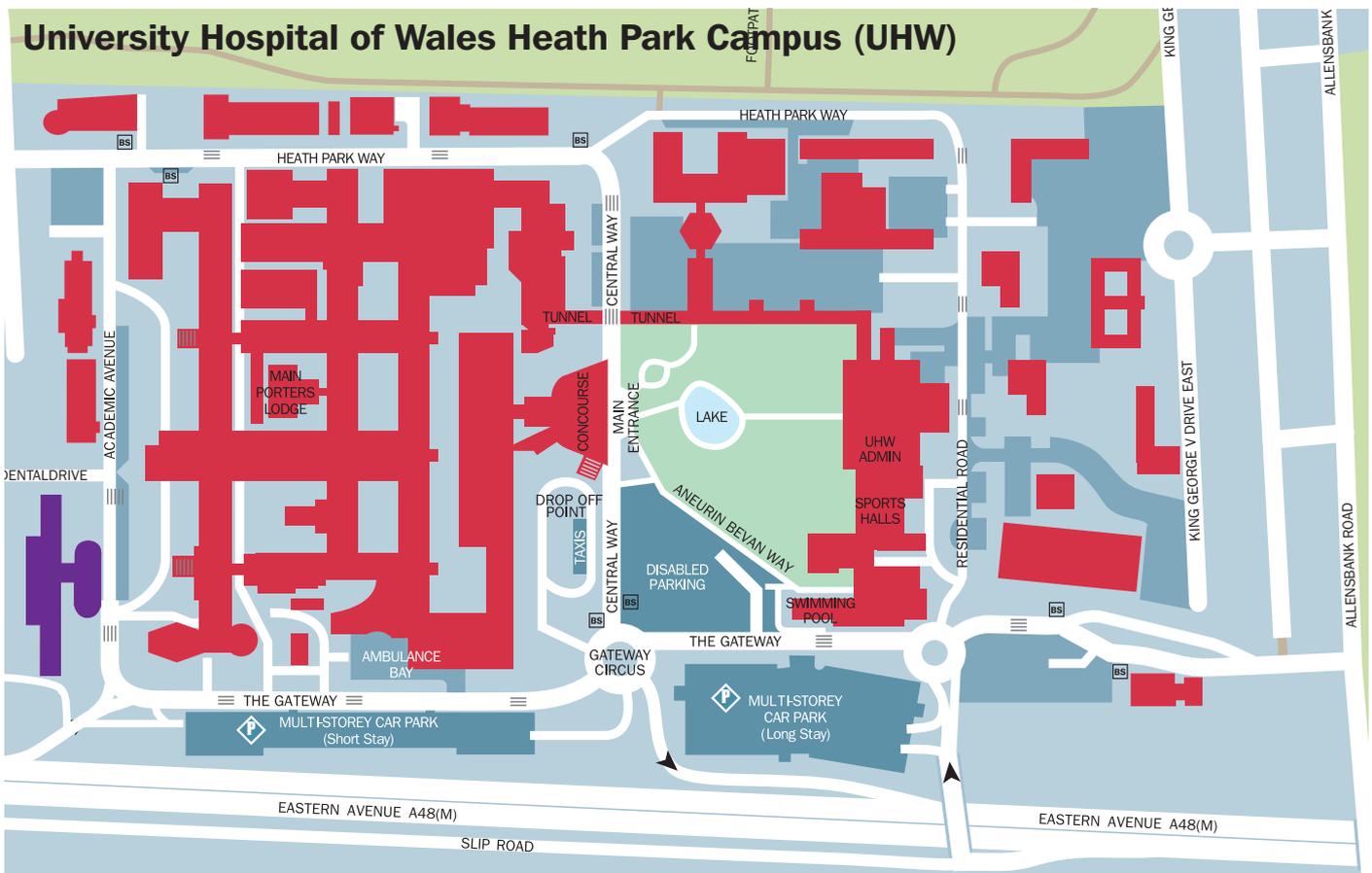
### Further Information:

**Tel:** Mrs Suzy Burnett:  
+44 (0)29 2074 2544/8797  
**Email:** [burnettsa@cardiff.ac.uk](mailto:burnettsa@cardiff.ac.uk),  
[dentalpgadmissions@cardiff.ac.uk](mailto:dentalpgadmissions@cardiff.ac.uk)  
[www.cardiff.ac.uk/dentistry](http://www.cardiff.ac.uk/dentistry)

# How to find us



## University Hospital of Wales Heath Park Campus (UHW)



### Key

- School of Dentistry
- University and NHS Buildings
- Student Residences
- City Centre

### How to find the School

The School of Dentistry can be found in the University Dental Hospital. This is located in the University's Heath Park Campus, at the University Hospital of Wales site.

The site is accessible by public transport and is within walking distance from most student accommodation.

### Terms and Conditions

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 Laura Roberts:  
 Tel: 029 2087 4455  
 Email: RobertsL9@cardiff.ac.uk



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## School of Dentistry

For further information contact:

Cardiff University School of Dentistry, Heath Park, University Hospital of Wales, Cardiff, CF14 4XY

Tel: +44 (0)29 2074 2544/8797

Email: [BurnettSA@Cardiff.ac.uk](mailto:BurnettSA@Cardiff.ac.uk); [DentalPGAdmission@Cardiff.ac.uk](mailto:DentalPGAdmission@Cardiff.ac.uk)

Facebook: [facebook.com/cardiffunipostgradinfo](https://www.facebook.com/cardiffunipostgradinfo)

Twitter: [@CardiffDental](https://twitter.com/CardiffDental)

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



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ANNIVERSARY PRIZES  
FOR HIGHER AND FURTHER EDUCATION

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