

KING'S  
*College*  
LONDON

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# Faculty of Dentistry, Oral & Craniofacial Sciences



**Dr Mark Packer**

Associate Dean Postgraduate Taught Studies, Senior Specialist Clinical Teacher & Honorary Consultant



# A top 10 UK university\*



Founded in 1829

31,000 students

From 150  
countries

5 campuses

9 faculties

\*QS World University Rankings 2020

5th  
in the world for  
Dentistry

*QS World University Rankings 2021*

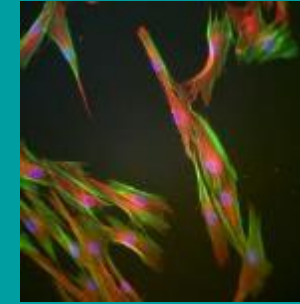
750  
undergraduates

3rd  
in the world for  
Dentistry

*2021 Academic Ranking of  
World Universities (ARWU)  
for  
Dentistry & Oral Sciences.*

90%  
research  
quality rated  
4\* or 3\*

*REF 2014*



20  
postgraduate  
taught courses

200+  
postgraduate taught  
students on-campus



20 years  
delivering distance learning

**6 postgraduate courses**  
**300 students worldwide**

30+  
laboratories and  
areas

140  
PhD students



3  
partner hospitals



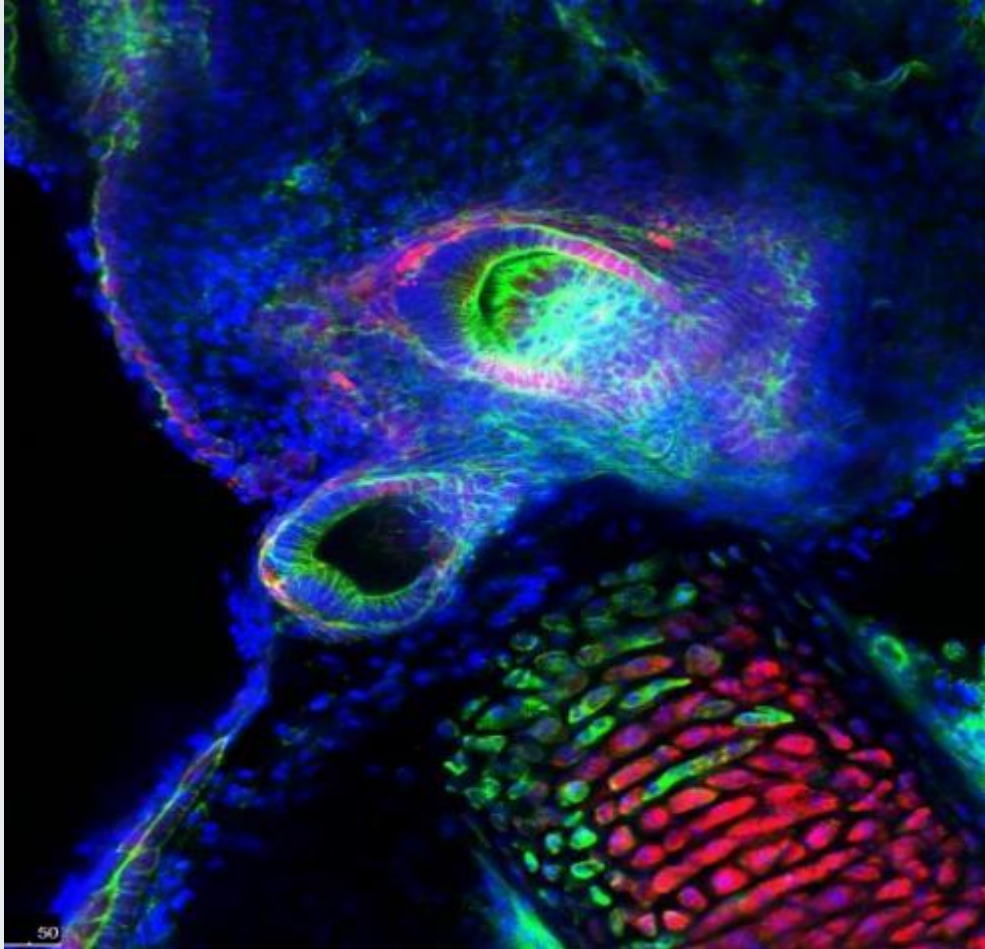
85 research staff  
largest community of oral, craniofacial and dental  
researchers in Europe



# World class scientific research Centres and areas of focus

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Linking biomedical, clinical and public health scientists to inform policy and influence clinical practice



## **Centre for Craniofacial & Regenerative Biology** **Professor Andrea Streit**

**Development, Regeneration, Repair, Tissue Engineering**

## **Centre for Host-Microbiome Interactions** **Professor Gordon Proctor**

**Immunity, Infection, Host-Microbe Interactions**

## **Centre for Oral, Clinical & Translational Sciences** **Professor David Bartlett**

**Clinical, Translational, Population Health**

# Dental education & training



- **Evidence-based, research-led teaching philosophy** with high levels of clinical experience across all levels & specialties
- **Expertise** in every specialism of dentistry
- Training **20% of the UK's undergraduate dentists**
- **Extensive range of postgraduate/master's on-campus, blended and short courses**
- Largest volume of **teachers and resources** in the UK
- Three hospitals and primary outreach clinics: **diverse patient bases**

# Sophisticated clinical approach & patient care

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- Maximising impact on health and wellbeing
  - **understanding disease**
  - **restoring function**
  - **enhancing health**
- Modern clinics, dedicated postgraduate dental centre, latest range of techniques and equipment
- Vast, **diverse patient populations**
- Innovation & Translation
- Oral Clinical Research Unit
- Advanced Technology



**King's Health Partners**

**#1 We are...**

**1 of 6** Academic Health Science Centres in the UK

**3** Our partners  
NHS Foundation Trusts

- Guy's and St Thomas'
- King's College Hospital
- South London and Maudsley

**1** world-leading university for health, research and education

**40,000** staff

**30,000** students

**King's Health Partners**

**#2 We have...**

**22** Clinical Academic Groups

**4.8 million** patient contacts per year

plans to bring together our collective strength in key areas to form a number of

**Clinical Academic Institutes & Networks**

**600** clinical trials running at any one time

a patient population of **8 million** in south London and south east England

**King's Health Partners**

**#3 We are home to...**

a **European Comprehensive Cancer Centre** and a **Cancer Research UK Centre**

a Genomic Medicine Centre, part of the ground-breaking **100,000 Genomics Project**

a British Heart Foundation Centre of Research **Excellence**

**2** NIHR funded Biomedical Research Centres covering mental and physical health

**3** Clinical Research Facilities delivering **world leading research**

one of the largest **Imaging and Biomedical Engineering Centres** in Europe

**King's Health Partners**

**#4 We do...**

**Education and Training**  
We have the largest range of medical education and training opportunities in Europe

**Informatics**  
We're joining up electronic patient records across local organisations

**Mind and Body Care**  
We're pioneering the integration of mental and physical healthcare

**Value Based Health Care**  
We're publishing Clinical Academic Outcomes Books to show how we're delivering excellent patient outcomes whilst protecting NHS resources



# Postgraduate courses: on-campus



## Specialty clinical training: MClinDent & MSc

- Endodontology
- Periodontology
- Prosthodontics
- Orthodontics
- Paediatric Dentistry
- Special Care Dentistry

## Classroom & lab-based: MSc

- Dental Public Health
- Regenerative Dentistry
- Tissue Engineering & Innovation Technology
- Maxillofacial & Craniofacial Technology
- Microbiome in Health & Disease

Prospectus information for each course can be found via: [kcl.ac.uk/dentistry/postgraduate](https://kcl.ac.uk/dentistry/postgraduate)



# Train at King's

Professor David Bartlett  
Prosthodontics





# Prosthodontics

- Largest department in Europe with internationally respected clinicians and researchers
- Over 70-80 applications each year for 10 places
- Strong reputation of success and training from past students
- 3 year overseas or 4-year UK training available

# Training

- 1<sup>st</sup> year very popular pre-clinical introductory course
- Laboratory course teaching how to make crowns, dentures and digital dentistry
- Start patient care in January/February of 1<sup>st</sup> year
- Patient care continues with increasing complexity in following years
- 60% of time is clinical – new patient clinics, patient treatment, laboratory work
- Research project in year 2 and given choice from studies supervised by our highly respected researchers



# Typical experience

- 30-40 crown units
- 10-20 dentures (completes, partials and immediate dentures)
- 10-20 implant supported restorations – dentures, single crowns, bridges
- Some experience in placement

# Join a successful team

- Around 30 p/g students from UK and overseas (mainly Saudi Arabia, Kuwait)
- Modern and well-equipped clinical facilities
- Digital planning and delivery
- £3M investment in pre-clinical and haptics



# Our research

- Erosive tooth wear – join a team of 5 PhD students on scanning and measuring change
- Enamel technology – interaction with new materials to enhance protection
- Digital technology - accuracy and workflows
- Comparable animal enamel characteristics – understanding how Dinosaur teeth differ from human

# King's College London

*The largest specialist  
training centre for  
endodontics in the world  
(probably)*

Professor  
Francesco Mannocci



# Endodontology

- 29 specialist trainees in endodontics
- 20 full time and part time members of staff
- Two separate locations in Guy's and King's College Hospitals
- Intense exposure to trauma cases at KCH
- One of the most intense clinical exposures in the world of endodontics
- Brand new facilities





# Endodontology

- Research projects include many clinical trials
- Close collaboration with 4 PhD students
- Close collaboration with the online MSc programme in endodontics
- Free access to the online material of the MSc in endodontics



# Periodontology

Professor Luigi Nibali and  
Dr Mandeep Ghuman



# “Why” Periodontology as a Specialist?

- Recognised achievement and knowledge
- Recognised Skillset and Clinical Abilities
- Credibility, ability and confidence
- Integrated science-based training in a clinical environment
- Exposure to a wide range of clinical cases and scenarios
- Exposure to multidisciplinary settings and cases
- Teaching from recognised experts, for the future as well as for the present
- A large (generally) friendly peer network



# Features of the Periodontology course

- Full-time (3 year – 5 days/week) and part-time (4 year – 3 days/week) course
- 3yr course - European Federation of Periodontology (EFP) accredited
- UK/EU tend to follow 4 year course
- Mixture of clinical training, didactic and seminar teaching and research training

# Provides clinical experience

- Treatment of medially compromised cases
- Treatment of patients with advanced periodontal and restorative needs
- Treatment of patients who are extremely susceptible to periodontal problems
- Non-surgical therapy/MINST
- Surgical therapies:
  - Access flap surgeries
  - Minimal intervention surgery
  - Regenerative techniques
  - Soft tissue plastic surgery
  - Ridge reconstruction
  - Mucogingival plastic surgery and microsurgical procedures
- Implant placement and restoration
- Restorative dentistry
- Interactions with Endodontics, Prosthodontics, Oral Medicine, Orthodontics and Sedation

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# Year 1 (of 4 yr programme)

- Core course
  - Overview of NHS, GSTT processes and procedures
  - Combined approach to restorative knowledge and other specialties
  - Periodontology specialty knowledge
  - Evidence based assessment of the literature and biometrics
- Phantom head course
- Introduction to clinical care
- Clinical Treatment (non-surgical and basic surgical)
- New patient clinics/ interdisciplinary clinics
- Tutorials, seminars, lectures, journal clubs and case presentations including intercollegiate lectures with other Universities

## Year 2 (of 4 yr programme)

- Seminars, tutorials, journal clubs, implant training, research seminars
- Clinical treatment
- Non-surgical and surgical cases
- Intensive regeneration and muco-gingival lectures and hands-on courses
- Research involvement

# Year 3 (of 4 yr programme)

- Refine surgical techniques
- Commence implant and multidisciplinary cases
- Monthly case presentations and discussion
- Continue research involvement



# Year 4 (of 4 yr programme)

- Complete advanced surgical, implant and restorative cases
- Complete research project
- Complete audit project
- Examinations

# Thank you!

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



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