FACULTY OF DENTISTRY
The University of Hong Kong
## Contents

- Message from the Dean ........................................ 3
- Introduction ................................................... 4
- Our people ................................................... 6
- Our expertise ............................................... 7
- Our facilities ............................................... 8
- **Learning** ................................................ 10
- **Discovery** ............................................. 14
- **Patient Care** .......................................... 18
- **Engagement** ........................................ 22
- Philanthropy .............................................. 26
- Deanery ................................................... 30
- Recruiting the best ...................................... 32
- Facts and figures ........................................ 54
- Contact details .......................................... 59
Dear Reader

We hope you enjoy reading this brochure, which gives an introduction to Hong Kong’s sole provider of university dental education, and the only dental faculty in China that uses English as the medium of instruction.

Formally established in 1982, the HKU Faculty of Dentistry has quickly earned an international reputation, and it is now regarded as one of the top dental schools in the world, and the premier centre for dental education and training in Southeast Asia.

2011 and 2012 are particularly special years, as our University celebrates its centenary starting in 2011 and our Faculty celebrates its 30th anniversary in 2012. In addition to reflecting on our past, our Faculty looks forward to the future and to nurturing our vibrant spirit of innovation, collaboration, and internationalisation.

For more information on our Faculty, please visit <http://facdent.hku.hk> or watch our videos by typing “HKU Faculty of Dentistry” into YouTube.com.

Professor Lakshman Samaranayake
Dean, Faculty of Dentistry, The University of Hong Kong

1 September 2011
Our University

Located at the crossroads of East and West, Hong Kong enjoys an international reputation for being a safe, cosmopolitan city that combines tradition with modernity.

The University of Hong Kong (HKU) was founded in 1911 and is Hong Kong’s oldest institution for tertiary education. For many years, the University has upheld a proud record of funding for research and has established a solid reputation for research achievements in many different fields and across many different disciplines. The University attracts talented teachers and students from all over the world, further enhancing the quality of our education, research, and knowledge exchange with the community.

In 2010, HKU was ranked 21st among the top 200 universities in the world and the top university in Asia, according to the *Times Higher Education World University Rankings*.
Our Faculty

The HKU Faculty of Dentistry is internationally renowned as a centre of dental education and research excellence, and has gained strong recognition in Asia in the management of cleft lip and palate. In Hong Kong, the Faculty plays an important role in public and professional education, as well as in dental and oral health promotion among special-needs groups in the community.

The Faculty marks its 30th anniversary in 2012 and will hold international conferences, together with student, staff, and community jubilee events, to celebrate three decades of excellence learning, discovery, patient care, and engagement.

Our Vision: To be the leading dental faculty in Asia.

Our Mission: To serve the people of Hong Kong and the region by advancing their oral health and well-being through excellence in learning, discovery, patient care, and engagement.
Our students

The Faculty is currently training 267 undergraduates, 114 taught postgraduates, and 71 research postgraduates from a total of 22 countries. So far, 1380 undergraduates, 582 taught postgraduates, and 116 research postgraduates have graduated. More than half of all Hong Kong’s registered dentists are HKU alumni, and many of our graduates have made their mark on the regional and global dental scenes.

Our staff

Helping the Faculty achieve its missions in education, research, clinical service, and knowledge exchange are its 56 full-time and fractional academic staff and 81 adjunct, part-time, and honorary staff from a total of 15 countries, in addition to committed teams of administrative, technical, and ancillary staff. Many of the Faculty’s staff are globally recognised in their fields of clinical expertise, research, and dental education. Many have won prestigious local and international awards for their work.
Our Faculty Disciplines

Since 1997, the Faculty has been a unitary organisation without any departments. Instead, it has a matrix structure that is organised administratively by Disciplines and overseen by an appointed Executive Dean. The current Dean, Professor Lakshman Samaranayake, is also the Director of the Prince Philip Dental Hospital, the dental teaching hospital at which the Faculty is based.

The Faculty currently comprises the following Discipline Areas:

- Comprehensive Dental Care (including Dental Education & E-Learning, Endodontics, and Family Dentistry)
- Oral & Maxillofacial Surgery
- Oral Biosciences
- Oral Diagnosis and Polyclinics (including Oral Medicine and Oral Radiology)
- Oral Rehabilitation (including Dental Materials Science, Dental Technology, and Implant Dentistry)
- Paediatric Dentistry and Orthodontics
- Periodontology and Public Health
Our world-class facilities

The Faculty is well equipped with state-of-the-art facilities, such as:

- A **Simulation Laboratory** that allows students to practise dental procedures on mannequins in a virtual-reality setting

- **Virtual-Reality (Haptics) Training Unit** for manual dexterity training involving precision visual, touch, and audio simulation

- The latest in **video and computer-aided design and manufacturing technology**

- **Problem-based Learning (PBL) Suite**, providing the best possible facilities for small-group PBL tutorials in all years of the undergraduate curriculum

- **Centralised Research Laboratories** with 24-hour secure access and a dedicated team of technicians

- The most well stocked specialist **Dental Library** in Asia

- **Student Computer Laboratory** which, as with most areas of the Prince Philip Dental Hospital, provides WiFi access

- **Knowledge Exchange Hub**, providing e-learning, education, media, and communications technology support; postgraduate and continuing dental education programmes; and publishing, technology transfer, and external relations assistance
The Faculty’s **special centres** include:

- Centre for Advanced Dental Care
- Advanced Endodontics Centre
- ITI Centre of Excellence in Implantology
- ITI Scholarship Centre
- AO Craniomaxillofacial Surgical Training Centre
- Image Guided Implantology Operating Suite
- Cleft Lip and Palate Centre
- Hong Kong Forensic Odontology Centre
The BDS degree

The Faculty’s widely acclaimed Bachelor of Dental Surgery (BDS) degree is among the most sought-after programmes of HKU and attracts top-quality students. The curriculum is outcomes- and competency-based and adopts a problem-based learning (PBL) approach to educate and train students to provide oral health care for the individual and community in the Hong Kong context.

The fully integrated curriculum lasts 5 years (6 years starting in 2012) and is structured so that the problem-based study of basic, medical, dental, and psychosocial sciences forms the foundation for, and continues alongside, the study of clinical dental sciences and professional practice. The majority of learning occurs in small-group environments where students discuss specially written “problems” that simulate real-life situations. In this setting, instead of lecturing, Faculty teachers act as facilitators to guide the PBL group’s discussion of the problem, identification of knowledge gaps to be addressed by self-directed learning, and application of new knowledge to the problem at hand. Interactive, large-group discussion sessions and workshops are also provided to support key concepts. In the final year, learning that is based on academic research journals provides a transition to further studies and continuing professional education.
Diverse curriculum

The BDS degree curriculum includes both University Core and Professional Core components, so that students experience a diverse range of learning experiences to attain University learning outcomes. By graduation, BDS students must have achieved a set of generic competencies—abilities essential to enter the dental profession in Hong Kong and to embark on independent, unsupervised dental practice.

The University Core components in the first 2 years include the new “Common Core Curriculum” launched in 2010 as well as core academic language courses at both introductory and advanced levels. The Professional Core components use a wide range of learning experiences including PBL tutorials, web-based learning, key-topic seminars, clinical observations, clinical demonstration and technique sessions, supervised practice on simulators and subsequently real patients, laboratory work, and dental technology demonstrations and practice.

The BDS emphasises early clinical exposure. The development of psychomotor and oral health care skills in multidisciplinary polyclinics, discipline clinics, and community outreach clinics increases progressively across the 5 years. Furthermore, all students take part in and present on “Integrative Projects” such as community health projects and the international elective visit. They also have the opportunity to attend general dental practices in Hong Kong.
Innovative teaching and learning

The Faculty’s undergraduate programme is carefully designed to generate well-rounded, compassionate, and internationally competitive dentists. BDS curriculum development is spearheaded by a dedicated team of Faculty educators, whose efforts and work can be accessed online at the new virtual Centre for Innovation in Dental Education (CIDE) at <http://facdent.hku.hk/learning/CIDE>.

The Faculty is also active in developing and providing taught and research postgraduate programmes for qualified dentists. Taught degree programmes in most disciplines lead to qualifications at Master and Advanced Diploma levels, while research degrees lead to the qualifications of Master of Philosophy and Doctor of Philosophy.

In 2008, the Faculty launched a Conjoint International Postgraduate Programme in Periodontology with Peking University, the first conjoint international postgraduate course in clinical dentistry or medicine to be conducted in mainland China. Purpose-built premises for the Beijing programme were opened in the same year at a ceremony attended by representatives of the Ministry of Health of the People’s Republic of China.
Knowledge creation and discovery

Research at the Faculty is flourishing, and the number of publications in high-impact international journals is continually growing. In the 2006 Research Assessment Exercise of the Hong Kong Research Grants Council, the Faculty achieved a Research Index score of 88%, meaning that this proportion of our academic staff reached or surpassed a “level of research excellence appropriate to the discipline in Hong Kong and showing evidence of international excellence”.

The research infrastructure is particularly strong thanks to the establishment of our Centralised Research Laboratories, dedicated technical support teams, and active encouragement of excellence in interdisciplinary research through our research seminar series, annual scientific meetings, and research award schemes.

Our laboratories use a wide array of the latest innovative methods, such as artificial mouth incubation, confocal and electron microscopy, computer-aided design and manufacture, 2-D and 3-D photo-imaging, spiral and cone-beam computed tomography, structural testing, real-time polymerase chain reaction, micro-organism identification, and antibiotic sensitivity testing.

Our industrious research staff and students are extremely productive in a wide variety of basic, clinical, translational, and applied research projects. Indeed, the Faculty has achieved the highest annual research publication output (such as books and journal articles) per research staff member in HKU for the past 5 consecutive years.
Local and international recognition

Our researchers are very active in applying for and winning research grants and awards. In 2010, our research staff and students won a total of 23 research prizes at international conferences and in 2011, six staff received a total of about HK$ 4 million in grants from the General Research Fund of the Hong Kong Research Grants Council.

The Faculty is internationally recognised for its research strengths in clinical and laboratory dental sciences covering all disciplines. Many Faculty staff have received international distinctions and honorary degrees. And many are chief editors, editorial board members, reviewers, or advisors of general and specialist peer-reviewed dental journals.

Contributing to the Faculty’s research successes is the organisation of its research programmes into the following three multidisciplinary areas, which are designed to align with HKU’s strategic research themes:

- **Biomedical and Tissue Engineering**
  Including bone regeneration, jaw reconstruction, filling and tooth-replacement biomaterials, facial imaging, oral cancer, saliva chemistry, and brain function imaging

- **Infection and Immunity**
  Including oral infections by fungi, bacteria and viruses, gum diseases, oral biofilms (layers of microbes attached to surfaces of the mouth such as the tongue, teeth, and gums), and development of antimicrobials

- **Public Health and Healthy Ageing**
  Including population-level characteristics of oral conditions, treatment and prevention of oral diseases, treatment outcomes, oral health care services, and clinical communication
Research collaborations

We have established many international links for research collaboration, particularly in mainland China. Starting in 2008, the Faculty has been holding an annual research meeting joint with a key mainland Chinese dental school. The Faculty also offers joint annual research fellowships with the Chinese Stomatological Association.

The Faculty currently has academic and research agreements with eight dental schools in mainland China (in Beijing, Shanghai, Guangzhou, Chengdu, Xian, Wuhan, and Fujian) and with 24 other dental schools worldwide, in the United States, Canada, Netherlands, Italy, Switzerland, Finland, Philippines, Thailand, India, Indonesia, Malaysia, Japan, and South Korea.
Delivering care and compassion

Faculty students, as future health care professionals, are instilled with a keen sense of empathy, community service, and public health promotion.

Starting in 2008, all second-year BDS students take part in a compulsory Clinical Induction Programme, which formally introduces the part of the curriculum in which they encounter and provide oral health care to public patients. Faculty staff and guest speakers deliver workshops in patient care, communication, and management, as well as in professionalism and ethical values.

The Clinical Induction Programme culminates with a Clinical Pledging Ceremony attended by Faculty staff and students’ families, in which the students take a pledge of clinical conduct and quality patient care. During the ceremony, the students also receive clinical name badges to wear in the hospital clinics for the remainder of their BDS degree as a reminder of their professional obligation.
Patient delight

The Faculty’s staff and students, in partnership with staff of the Prince Philip Dental Hospital, encounter an average of about 120,000 dental visits each year.

We strive not just for patient satisfaction but for patient delight. Patients regularly send letters of gratitude to our staff and students. Furthermore, in a patient survey conducted by the HKU Social Sciences Research Centre in 2010, large proportions of patients said that dental staff/students performed careful examinations, were able to cure or relieve most problems, were able to explain procedures and charges, and always helped to avoid unnecessary expenses.

The Prince Philip Dental Hospital has been annually recognised since 2008 as a Caring Organisation by the Hong Kong Council of Social Service.
Special treatment for special patients

The Faculty has established special facilities and dedicated teams of staff to offer treatment in special cases.

For example, the newly opened Centre for Advanced Dental Care is equipped with state-of-the-art technology to meet the highest standards of therapy at an advanced and comprehensive level for patients with complex or multiple dental conditions. The Cleft Lip and Palate Centre provides mouth, jaw, and facial surgery for patients born with cleft lip and palate. The Oral Medicine Consultation Clinic takes care of patients with conditions affecting the mouth that do not require surgery.
Knowledge exchange

Community involvement is an important aspect of the Faculty’s work. Our staff regularly appear in the media and run special mobile clinics to provide dental and oral health care to the community’s underserved and special-needs populations. In collaboration with dental practitioners, we also hold regular public education activities, such as roving exhibitions in shopping centres, information days, and open days. Recently, we have begun collaborating with local secondary school teachers on how to integrate dentistry into learner-centred school science classes.

The Faculty publicises its achievements and activities to its stakeholders through the newsletter Expressions, which is available through the Faculty’s website at <http://facdent.hku.hk>, where the Faculty’s corporate videos, online Knowledge Exchange Hub, and staff profiles can also be found.
Community care

Faculty students at undergraduate and postgraduate levels are encouraged to play a part in the local and wider community by volunteering during their educational programmes.

Many students participate in the Faculty’s outreach clinics for special-needs and underprivileged groups. Final-year BDS students are increasingly performing volunteer work in developing countries during their overseas electives.

The Dental Public Health Committee of the HKU Students’ Union Dental Society has a busy community-work schedule. Each year, the committee conducts school and community educational visits, public exhibitions, and oral health care campaigns, in collaboration with Faculty and University staff and external organisations.
Professional interaction

The Faculty keeps in regular contact with the local professional dental community by providing continuing dental education and professional development programmes. Eminent dentists and scientists from home and abroad often visit the Faculty to share knowledge and experiences with staff and students.

Local dentists mentor our BDS students through a mentorship scheme co-organised by the HKU Dental Alumni Association and the Faculty. Furthermore, industry internships allow a postgraduate and undergraduate student to spend a month each year engaging in knowledge exchange with an international oral health care company.

At the national level, the Faculty keenly supports mainland dentists, and established the Wah-Ching Dental Sciences Development Project in 2010 to promote cross-border dental training, research, education, and educator training. Internationally, Faculty staff routinely meet and greet dentists abroad via our roving exhibition booth at professional meetings.

The Faculty also has close ties with local and international dental institutions and associations, and hosts or co-hosts international and regional dental conferences.
Supporting dental excellence

The Faculty is fortunate for, and extremely grateful to, the many generous donors and sponsors who regularly support its efforts in achieving its missions in learning, discovery, patient care, and engagement.

Significant contributions include the first year of dividends from the Azalea (1972) Endowment Fund, which was donated to HKU by Mr Lawrence SP Fung and Mrs Alexandra LSW Fung in the summer of 2006. The first activity to be supported by the Fund was the Faculty’s Implant Project, which provided dental implants to elders in the local community.

The Faculty’s first Endowed Professorship was established in 2010 by philanthropist Dr Wah-ching Tam. Professor Lakshman Samaranayake was conferred as the Tam Wah-Ching Professor in Dental Science at HKU’s Fourth Inauguration of Endowed Professorships on 13 April 2010.
The Faculty’s second Endowed Professorship, and first in clinical dentistry, was
established in 2011 by the Modern Dental Laboratory Co Ltd. Professor Li-jian Jin
was conferred as the *Modern Dental Laboratory Professor in Clinical Dental Science*
at HKU’s Fifth Inauguration of Endowed Professorships on 12 April 2011.

Local and international companies have also been very generous in donating
seed funds or equipment to initiate some of the Faculty’s special training centres.

To celebrate the Faculty’s 25th anniversary in 2007, two cohorts of MSc (Implant
Dentistry) students—Class of 2008 and Class of 2009—made a group donation,
marking the first time in HKU’s history that an entire student body enrolled in
a degree programme made a charitable contribution to the University before
graduation.
Dental vision

The HKU Faculty of Dentistry is led by the Dean, Professor Lakshman Samaranayake, with the aid of the Faculty Executive Committee (pictured, from left to right, with Dean Samaranayake in the middle): Dr Cheng-fei Zhang, Professor Edward CM Lo, Dr Cynthia KY Yiu, Professor Li-jian Jin, Professor Tak-wah Chow, Professor Nabil Samman, Mrs Yvonne Koo (Faculty Secretary from 2011), and Mr Rupert Chan (Faculty Secretary to 2011).

Furthermore, the main missions and administrative areas of the Faculty are covered by five Associate Deans, who are in turn assisted by Assistant Deans, as follows:

**Associate Dean for Undergraduate Education**: Dr Cynthia KY Yiu  
**Assistant Dean for Undergraduate Education**: Dr Michael Botelho  
**Assistant Dean for Curriculum Development**: Dr Susan Bridges
Associate Dean for Postgraduate and Continuing Education: Professor Nabil Samman
Assistant Deans for Postgraduate and Continuing Education: Professor Colman McGrath, Dr Katherine CM Leung

Associate Dean for Research, Innovation, and Enterprise: Professor Li-jian Jin
Assistant Dean for Research, Innovation, and Enterprise: Dr Chun-hung Chu
Assistant Dean for International Affairs: Dr Jeffrey WW Chang

Associate Dean for External Relations: Professor Tak-wah Chow
Assistant Dean for External Relations: Dr Gary SP Cheung

Associate Dean for Greater China Affairs: Dr Cheng-fei Zhang
Assistant Dean for Greater China Affairs: Dr Li-wu Zheng
International Faculty

Despite the widespread shortage of health care workers and dental academics and educators, the HKU Faculty of Dentistry has been fortunate in being able to attract, develop, and retain some of the world’s top clinical and non-clinical professionals in dentistry. Our recruitment programme has been particularly productive in the HKU Centenary Recruitment Plan, with new staff members joining our Faculty from all corners of the globe.

Our staff cover all dental disciplines, and they fully contribute to and amplify our mission areas. With their wide mix of cultures and fields of expertise, our Faculty staff continuously nurture a rich and vibrant environment that is conducive to HKU’s missions of learning, research, and knowledge exchange. Their deep dedication and talent are our strength. Indeed, many give their time and expertise voluntarily in our community outreach clinical services and public health education initiatives. They also regularly share their expertise with dental schools abroad as invited speakers, guest lecturers, advisers, and visiting professors.

The following pages provide brief introductions to our academic staff (as at September 2011). Full biographical information, including our staff’s research outputs, awards, editorships, and contact details, can be obtained from the Faculty website at: <http://facdent.hku.hk/about/academicstaff.php>.
Comprehensive Dental Care

Dr Bridges, Susan Margaret
BA, DipEd (Qld), GradCertTESOL (Griffith), MA (ApplLing) (Griffith), EdD (Griffith)
Assistant Professor in Dental Education and E-Learning

Research interests:
- Pedagogy
- Interaction and learning
- Diversity and education

Dr Chang, Jeffrey Wen Wei
BDS (India), MDS (HK)
Clinical Assistant Professor in Endodontics

Research interests:
- Restoration of endodontically treated teeth
- Endodontic disinfection
- Endodontic materials and applications

Dr Cheung, Gary Shun Pan
BDS, MDS (HK), MSc (Lond), PhD (HK), FRACDS, FAMS, FICD, FDSRCS (Edin), MRACDS (Endo), FHKAM (Dental Surgery), FCDSHK (Endo)
Clinical Associate Professor in Endodontics

Research interests:
- Root canal instruments; materials science
- Survival analysis of endodontic therapies
- Bonding in root canal–treated teeth
- Endodontic materials and applications
- Regenerative endodontics
Professor Chow, Tak Wah
BDS, MSc, PhD (Lond), DRD RCS (Edin), FDSRCS (Edin), FRACDS, FHKAM (Dental Surgery), FCD SHK (Prosthodontics)

Clinical Professor

Research interests:
– Implantology
– Clinical prosthodontic materials
– Dental magnets

Ms Leung, Jenny Lai Kuen
CertDSA (HK), BBA (OUHK), DipEDDSA (HK)

Tutor in Dental Surgery Assisting

Dr Low, Danny Chun Yu
BDS, MScDent, MScMed (Pain Mgt) (Syd), AdvDipEndodont (HK), MRD RCS (Edin) (Endo), FRACDS, FPFA, FADI, FHKAM (Dental Surgery), FCD SHK (Endo)

Clinical Assistant Professor in Endodontics

Research interests:
– Dental traumatology and sports dentistry
– Morphological properties of teeth
– Dental materials in endodontic
– Precision dental casting theory
Dr Newsome, Philip Richard Holmes
BChD(Hons) (Leeds), MBA (Warwick), PhD (Bradford), MRDRCSEd, FDSRCS (Edin), FHKAM (Dental Surgery), FCDSHK
Clinical Associate Professor

Research interests:
– Patient evaluation of dental practice
– Antecedents and consequences of patient dis/satisfaction
– Prevention and management of sports-related oral-facial injuries

Ms Yeung, Winkie Siu Wan
CertDSA, DipEDDSA (HK)
Instructor in Dental Surgery Assisting

Dr Zhang, Chengfei
DDS, PhD (Beijing Med)
Clinical Associate Professor in Endodontics

Research interests:
– Regenerative endodontics
– Microbiological aspects in endodontics
– Applications of lasers in dentistry
Oral and Maxillofacial Surgery

Professor Cheung, Lim Kwong
BDS (Glasgow), FFDRCS (Ireland), FDSRCPs (Glasgow), FRACDS, FRACDS (OMS), PhD (HK), Hon FDSRCS (Edin), FHKAM (Dental Surgery), FCDSHK (Oral and Maxillofacial Surgery)
Chair Professor of Oral and Maxillofacial Surgery

Research interests:
– Distraction osteogenesis for the cranio-maxillofacial region
– Maxillofacial reconstructive surgery
– Immediate loading and image-guided implantology

Dr Choi, Winnie Wing Shan
BDS, MDS, AdvDipOMS (HK), MOSRCS (Edin), FHKAM (Dental Surgery), FCDSHK (Oral and Maxillofacial Surgery)
Clinical Assistant Professor in Oral and Maxillofacial Surgery

Research interests:
– Perioperative management
– Postoperative soft tissue change
– Jaw reconstruction

Dr Chua, Hannah Daile Phoa
DMD, MA (Phil), MDS (HK), MOSRCS (Edin), PhD (HK)
Postdoctoral Fellow in Oral and Maxillofacial Surgery

Research interests:
– Distraction osteogenesis
– Cleft lip and palate
– Obstructive sleep apnoea
Dr Leung, Mike Yiu Yan  
BDS, MDS (HK), MOSRCS (Edin)  
Clinical Assistant Professor in Oral and Maxillofacial Surgery

Research interests:  
– Dentoalveolar surgery and coronectomy  
– Neurosensory disturbance in the maxillofacial area  
– Trigeminal nerve repair and regeneration

Dr Lo, John  
BDS, MDS (HK), MOSRCS (Edin), FHKAM (Dental Surgery), FCDSHK (Oral and Maxillofacial Surgery)  
Clinical Assistant Professor in Oral and Maxillofacial Surgery

Research interests:  
– Endoscopy-assisted surgery  
– Orthognathic surgery  
– Distraction osteogenesis  
– Cleft lip and palate  
– Implantology (immediate loading)

Professor Samman, Nabil  
DDSc honoris causa (Songkla), FCSHK, MRCs (Eng), LRCP (Lond), FRCS (Edin), BDS (Syd), FDSRCS (Eng), FHKAM (Dental Surgery), FCDSHK (Oral and Maxillofacial Surgery)  
Clinical Professor in Oral and Maxillofacial Surgery

Research interests:  
– Pathology of odontogenic tumours  
– Prospective long-term evaluation of cleft lip and palate treatment
Professor Zwahlen, Roger Arthur
MD (Berne), DMD (Zurich), Priv.-Doz. (Zurich), FEBOMFS (UEMS)
Clinical Professor in Oral and Maxillofacial Surgery

Research interests:
– Oral cavity cancer
  ▪ Novel treatment techniques in dentoalveolar hyperplasia
  ▪ Quality of life and post-traumatic growth
  ▪ Microvascular reconstruction and oral rehabilitation
  ▪ Immunological treatment approaches
– Orthognathic and craniofacial surgery
  ▪ Bone substitution materials
  ▪ Novel treatment techniques in dentoalveolar hyperplasia
– Facial traumatology

Oral Biosciences

Dr Chen, Wenyang
BSc, MSc (Jilin), PhD (CUHK)
Research Associate

Research interests:
– DNA homologous recombination and DNA repair
– Molecular biology of microorganisms
– Structural biology and enzymology
Dr Choi, Mei Yee
BSc(Hons) (Queen’s U), MSc (UT), PhD (HKU)
Postdoctoral Fellow

Research interests:
– Structural biology
– Proteomics
– Molecular biology of microorganisms

Professor Samaranayake, Lakshman Perera
BDS (Sri Lanka), DDS (Glasgow), MRCPath (UK), FRCPath (UK), MIBiol, CBiol (UK), FDSRCSE (Hon), Hon DSc (Sri Lanka), FHKAM (Dental Surgery), FHKAM (Pathology), FHKCPath, FCDSHK
Chair Professor of Oral Microbiology

Research interests:
– Biology and clinical epidemiology of oral Candida infections
– Oral microbiology and pathology of HIV-infected and other compromised individuals
– Periodontal microbiology
– Oral oncology
Dr Samaranayake, Yuthika Hemamala
BSc, MSc (Sri Lanka), MSc (Med Sci) (Glasgow), PhD (HK)
Research Assistant Professor

Research interests:
− Candida biofilms on denture acrylic surfaces and their architecture and resistance to natural and synthetic antifungals
− Molecular epidemiology of Candida in health and disease
− Microbiological and ultrastructural studies of the invasive phase of Candida species

Dr Seneviratne, Chaminda Jayampath
BDS, MPhil (Sri Lanka), PhD (HK)
Research Assistant Professor

Research interests:
− Molecular microbiology of oral pathogenic bacteria and fungi
− Molecular mechanisms of Candida biofilms
− Antimicrobial susceptibility testing
− Proteomics

Dr Tsang, Paul Wai Kei
BSc, PhD (CUHK)
Research Assistant Professor

Research interests:
− Mechanistic study of antimicrobial agents
− Identification of prime targets for antifungal interventions
− Microbial molecular biology and genetics
− Protein engineering and structural studies of microbial enzymes
Dr Watt, Rory Munro  
BSc(Hons), PhD (Edinburgh), MRSC  
*Assistant Professor in Oral Biosciences*

Research interests:  
– Oral microbiology  
– Microbial biofilms  
– Spirochetes  
– DNA repair and recombination  
– Bacterial stress responses  
– Polyphosphate metabolism

---

Oral Diagnosis and Polyclinics

Dr Burrow, Michael Francis  
BDS, MDS (Adel), PhD (Tokyo Med & Dent U), MEd (Melb), MRACDS (Pros), FICD  
*Clinical Associate Professor in Operative Dentistry*

Research interests:  
– Clinical trials of adhesive restorative materials  
– Enamel/dentine bonding  
– Evaluation of tooth-coloured restorative materials  
– Influence of tooth substrate changes on bonding  
– Action of casein phosphopeptide-amorphous calcium phosphate in dental materials  
– Influence of caries on dental restorations  
– Development of bond test methods
Miss Chau, Cheuk Man
BSc, MPhil (HKPolyU)

*Assistant Professor in Oral Radiology*

Research interests:
– Magnetic resonance imaging
– Functional magnetic resonance imaging

Mr Cheung, Man Fai
BSc (Anglia Polytechnic), BBA (OUHK), MEd (OUHK), DCR (UK)

*Tutor in Oral Radiology*

Research interests:
– Quality assurance in dental radiography
– Dental radiographic techniques

Dr Chu, Chun Hung
BDS, MDS, PhD, PDipDS (HK), FRACDS, FRACDS (DPH), FDSRCS (Edin), MAGD, ABGD

*Clinical Associate Professor*

Research interests:
– Caries prevention and management
– Clinical uses of fluorides
– Community dental care
Dr Goto, Tazuko K  
DDS, PhD (Japan)  
Clinical Associate Professor in Oral Radiology

Research interests:
– Brain function mapping using functional magnetic resonance imaging
– 3-D imaging of the morphology and function of the head and neck using magnetic resonance imaging and computed tomography
– Clinical diagnostic imaging of the head and neck

Dr Ho, Dominic King Lun  
BDS, MDS, AdvDipPeriodont (HK), MRDRC (Edin)  
Principal Clinical Dental Instructor

Research interest:
– Cone-beam computed tomography

Professor Leung, Wai Keung  
BDS, MDS (HK), PhD (British Columbia), FHKAM (Dental Surgery), FCDSHK (Periodontology)  
Clinical Professor in Periodontology

Research interests:
– Human periodontal microbial ecology and virulence
– Effects of altered human oral physiology on the corresponding microbial ecology
– Clinical trials of periodontal care strategies
Dr Zheng, Liwu  
DDS, MD (Wuhan), PhD (HK)  
*Clinical Assistant Professor in Oral Medicine*

Research interests:
– Oral mucosal disease and precancerous lesions
– Healing of compromised tissue (by heavy smoking, radiotherapy, etc)
– Regenerative dentistry

**Oral Rehabilitation**

Dr Botelho, Michael George  
BDS, MSc (Lond), PhD (Wits), MRDRCs (Edin), FRACDS  
*Clinical Associate Professor in Oral Rehabilitation*

Research interests:
– Antibacterial glass ionomer cements and polymers
– Clinical audit of resin-bonded bridges
– Tooth whitening
– Dental education

Professor Lang, Niklaus Peter  
DDS (Bern), MS in Periodontology (Ann Arbor), PhD (Bern), Dr Odont.h.c. (Athen, Buenos Aires), Odont Dr h.c. (Gothenburg), Hon FRACDS (Glasgow)  
*Clinical Professor in Implant Dentistry*

Research interests:
– Implant dentistry, periodontology
– Aetiology and pathogenesis of peri-implant infections
– Risk evaluation
– Wound healing
– Oral microbiology
Dr Leung, Katherine Chiu Man  
BDS, MDS, PhD (HK), FRACDS, FHKAM (Dental Surgery), FCDSHK (Prosthodontics)  
*Clinical Associate Professor in Oral Rehabilitation*

Research interests:  
– Oral health of medically compromised patients  
– Oral microbiology  
– Oral health–related quality of life

Dr Luk, Henry Wai Kuen  
Diploma in Dental Technology (HK, UK), Adv Cert in Crown and Bridge Technology (UK), Adv Cert in Prosthodontic Technology (UK), Adv Cert in Orthodontic Technology (UK), Adv Cert in Maxillofacial Prosthetics and Technology (UK), MPhil (HK), PhD (HK), MIMPT, FBIDST  
*Tutor in Dental Technology*

Research interests:  
– Teaching and training model development  
– Dental laboratory technique development  
– Radiographic and surgical stents

Dr Ma, Li  
MDS (Wuhan), PhD (HK)  
*Research Associate in Oral Rehabilitation*

Research interests:  
– Bone reconstruction  
– Effect of smoking on bone healing  
– Dental stem cells
Dr Matinlinna, Jukka Pekka
BSc (Inorg Chem), CSc (Inorg Chem), MSc (Inorg Chem), PhD (Turku), FFDSApollonia, MRSC, MADM, MIADR
Associate Professor in Dental Materials Science

Research interests:
– Adhesion promotion in dentistry
– Titanium in dentistry and dental technology
– Silane chemistry applications in biomaterials research
– E-glass fibre-reinforced composites as novel biomaterials
– Ceramic materials, in particular zirconia, in dentistry and dental technology
– Finite element analysis
– Saliva chemistry

Dr Pow, Edmond Ho Nang
BDS, MDS (Prosthetic Dent), PhD (HK), MRACDS (Pros), FRACDS, FHKAM (Dental Surgery), FCDSHK (Prosthodontics)
Clinical Associate Professor in Oral Rehabilitation

Research interests:
– Nasopharyngeal carcinoma
– Quality of life
– Implant dentistry
– Biomaterials

Mr Robinson, Wayne
DipEd (Sur), C&G Final (UK), AdvOrthoCert (UK), AdvCr&BrCert (UK), LGCI (Lond)
Instructor in Dental Technology

Research interests:
– Class II functional appliance development
– Dental education and skill acquisition
Dr Tsang, Peter Chiu Shun  
BDS, PhD (HK), FRACDS  
Clinical Assistant Professor in Oral Rehabilitation

Research interests:  
– Clinical oral microbiology  
– Oral biology of medically compromised patients  
– Molecular methods for microbial identification and characterisation

Paediatric Dentistry and Orthodontics

Dr Cheong, Celine Hung Lei  
BDS, MDS, AdvDipPaediatrDent (HK), MPaedDent (Edin), FRACDS, FHKAM (Dental Surgery), FCDSHK (Paediatric Dentistry)  
Clinical Assistant Professor in Paediatric Dentistry

Research interests:  
– Dental materials in paediatric dentistry  
– Hospital dentistry

Professor Rabie, Abou Bakr Mahmoud  
BDS (Cairo), PhD (Northwestern), MSc (Northwestern), CertOrtho (Northwestern), Hon FDSRCS (Edin), FHKAM (Dental Surgery), FCDSHK (Orthodontics)  
Clinical Professor in Orthodontics

Research interests:  
– Factors regulating jaw growth  
– Bone induction  
– Functional appliance therapy: experimental and clinical research  
– Pseudo class III clinical research
Dr Tang, Alexander Tin Hong  
BDS (HK), FRACDS, SpecCertOrth (Karolinska Inst), MOrth (Karolinska Inst), MMedSc (Karolinska Inst), OdontDr (Karolinska Inst)  
Clinical Assistant Professor in Orthodontics

Research interests:  
– Mechanism of enamel adhesion  
– Toxicology of dental resins

Dr Wong, Gloria Hai Ming  
DDS, MDSc, AdvDipPaediatrDent, PhD, MPaedDentRCS (Edin), MRACDS (Paed)  
Clinical Assistant Professor in Paediatric Dentistry

Research interests:  
– Developmental defects of enamel  
– Social impact of children’s oral health  
– Children with special health care needs

Dr Wong, Ricky Wing Kit  
BDS, MDS, PhD (HK), MRACDS (Orth), FRACDS, FHKAM (Dental Surgery), FCDSHK (Prosthodontics)  
Clinical Associate Professor in Orthodontics

Research interests:  
– Bone biology  
– Traditional Chinese medicines  
– Bone induction  
– Bone necrosis
Dr Yang, Yanqi
BDS (Beijing Med), MOrthRCS (Edin), PhD (PKU)
Clinical Assistant Professor in Orthodontics

Research interests:
– Bone biology
– Mechanism of orthodontic tooth movement

Dr Yiu, Cynthia Kar Yung
BDS (London), MDS (HK), PhD (HK), FHKAM (Dental Surgery)
FCDSHK (Paediatric Dentistry)
Clinical Associate Professor in Paediatric Dentistry

Research interests:
– Dentine bonding
– Dental caries and restorative management in paediatric dentistry
– Oral health of children

Periodontology and Public Health

Ms Chan, Cordelia Kit Ping
CertDH (HK), CertDH (Canada), BSc (Dental Hygiene) (USA)
Tutor in Dental Hygiene

Research interests:
– Dental hygiene training
– Periodontology
– Dental health promotion
**Professor Corbet, Esmonde Francis**
BDS (NUI), FDSRCS (England & Edinburgh), FFDRCS (Ireland), FHKAM (Dental Surgery), FCDSHK (Periodontology)

*Clinical Professor in Periodontology*

Research interests:
– Periodontal epidemiology and risk assessment
– Clinical periodontology
– Dental implant treatment in periodontally at-risk, partially dentate subjects
– Dental education

**Dr Gao, Xiaoli**
BDS (Sun Yat-sen Med), MSc (NUS), PhD (NUS)

*Research Assistant Professor*

Research interests:
– Epidemiology of oral diseases
– Understanding and reducing oral health disparity
– Acculturation and immigrants’/migrants’ oral health
– Oral health behaviour modification
– Caries risk assessment/prediction with biopsychosocial markers

**Professor Jin, Lijian**
DDS (Zhejiang Med), MMedSc (Karolinska Inst), PhD (Beijing Med), OdontDr (Karolinska Inst), Hon FDSRCS (Edin)

*Clinical Professor in Periodontology*

Research interests:
– Molecular mechanisms of periodontal pathogenesis
– Defensins in periodontal health and disease
– Genetic markers and biomarkers for periodontal diseases
– Periodontal medicine
– Traditional Chinese medicine for periodontal treatment
– Clinical trials of periodontal care strategies
Dr Kuo, David Da Wei  
DDS (TW), MSD (Boston), CAGS in Perio (Boston)  
Clinical Assistant Professor in Periodontology

Research interests:  
– Clinical periodontology  
– Implantology in periodontally compromised patients  
– Soft tissue and hard tissue management

Dr Lai, Stanley Man Lung  
BDS, MDS (HK), AdvDipPeriodont (HK), MRDRCs, FHKAM (Dental Surgery), FCDSHK (Periodontology)  
Clinical Assistant Professor in Periodontology

Research interests:  
– Adjunctive therapy in periodontal treatment, such as traditional Chinese medicine, low-power laser  
– Clinical periodontology  
– Dental implant treatment in periodontally compromised patients

Dr Li, Xiao  
BDS, MDS (Peking), PhD (HK)  
Postdoctoral Fellow

Research interests:  
– Periodontal medicine  
– Saliva as a tool for diagnosing oral and systemic disease  
– Pathogenesis of periodontal disease
Professor Lo, Edward Chin Man  
BDS, MDS, PhD (HK), FHKAM (Dental Surgery), FCDSHK (Community Dentistry)  
Clinical Professor in Dental Public Health  
Research interests:  
− Epidemiology of oral diseases  
− Prevention and treatment of dental decay (clinical trials)  
− Oral health care services, human resources, and utilisation of services

Professor McGrath, Colman Patrick  
BA, BDentSc(Hons) (Dub), MEd (UNE, Australia), FDSRCS (Eng), DDPHRCS (Eng), MSc (Eng), FFDRCS (Ire), PhD (Eng)  
Clinical Professor in Dental Public Health  
Research interests:  
− Social impact of oral health and oral health−related quality of life  
− Impact of society on oral health and oral health inequalities  
− Research in dental education

Dr Wong, May Chun Mei  
BSocSc, MPhil, PhD (HK)  
Associate Professor in Dental Public Health  
Research interests:  
− Biostatistics  
− Clinical trials  
− Multilevel survival analysis  
− Quality of life  
− Geriatric research
Faculty at a glance

- **HKU Faculty of Dentistry** established in **1982**
- **Prince Philip Dental Hospital** established in **1981**
- Hospital has **11** storeys, **33,000 m²** of floor space, and **220** dental chairs
- Hospital has on average **120,000** patient visits per calendar year
- **Faculty academic staff:** **137** from **15** countries
- **Research Assessment Exercise** 2006: **88%** as the proportion of full-time staff at or above international levels of excellence
- **Faculty alumni:** **1873** from **34** countries
- **Faculty undergraduate** students: **267** from **10** countries
- **Faculty taught postgraduate** students: **114** from **15** countries
- **Faculty research postgraduate** students: **71** from **10** countries
Where our taught postgraduate students come from
Total: 114 students

Where our research postgraduate students come from
Total: 71 students

Where our staff come from
Total: 137 academic staff

Where our undergraduate students come from
Total: 267 students

Where our alumni live
Total: 1873 alumni

Where the Faculty has academic agreements
Total: 32 agreements
Postgraduate programmes offered

Taught Postgraduate Programmes

*Master of Science*, *Master of Dental Surgery*, and /or *Advanced Diploma* in:
- Community Dentistry#
- Dental Materials Science*
- Endodontics^\^
- General Dentistry*
- Implant Dentistry*#
- Oral and Maxillofacial Surgery^\^
- Orthodontics^
- Orthodontics and Dentofacial Orthopaedics#
- Paediatric Dentistry^\^
- Periodontology^\^
- Prosthodontics^\^

Research Postgraduate Programmes

*Master of Philosophy (MPhil) and Doctor of Philosophy (PhD) in:

Research Themes
- Biomedical and Tissue Engineering
- Infection and Immunity
- Public Health and Healthy Ageing

Specialty-based research areas
- Dental Materials Science
- Dental Public Health
- Endodontics
- General Dentistry
- Implantology
- Oral and Maxillofacial Surgery
- Oral Biosciences
- Oral Rehabilitation
- Orthodontics (and Dentofacial Orthopaedics)
- Paediatric Dentistry
- Periodontology
Getting in touch

You are very welcome to contact us regarding admissions to our educational and research programmes, academic and research collaborations/consultancies, organising a visit to our Faculty, or arranging community events. In addition, please let us know if you have any queries or feedback, or if you cannot find the information you are looking for on our website at <http://facdent.hku.hk>.

Write to us:
HKU Faculty of Dentistry
Prince Philip Dental Hospital
34 Hospital Road, Sai Ying Pun
Hong Kong SAR, China

E-mail us: dentktu@hku.hk

Like us on Facebook: http://www.facebook.com/facdent

Follow us on Twitter: http://twitter.com/#!/facdent

Bookmark us: http://facdent.hku.hk

Find a staff member and media contacts: