

UBC DENTISTRY



GRADUATE and POSTGRADUATE STUDIES

GRADUATE PROGRAMS

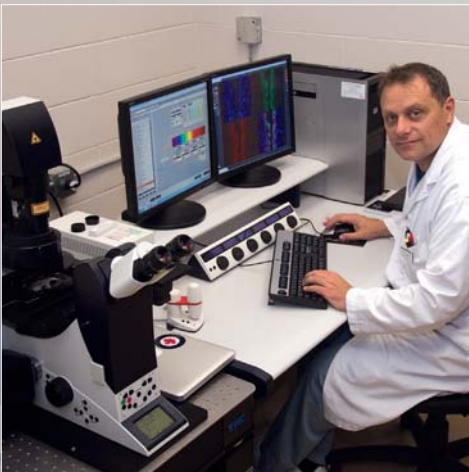
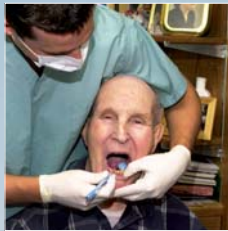
Craniofacial Science

CLINICAL SPECIALTY GRADUATE PROGRAMS

Endodontics
Orthodontics
Pediatric Dentistry
Periodontics
Prosthodontics

POSTGRADUATE PROGRAMS

General Practice Residency Program
Oral Medicine and Oral Pathology Residency Program



For more information on graduate programs visit www.dentistry.ubc.ca/grad or contact: Vicki Koulouris vkoulouris@dentistry.ubc.ca T 604 822 4486

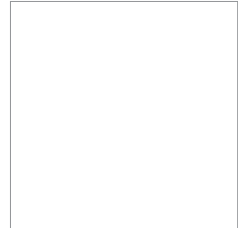
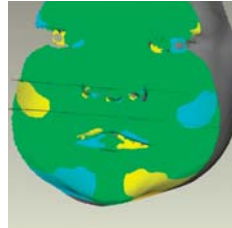
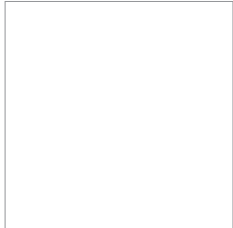
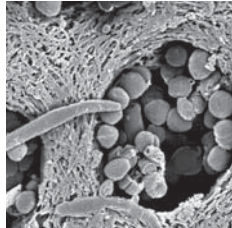
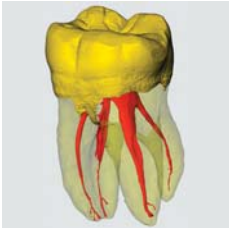
GRADUATE RESEARCH OPPORTUNITIES

PhD or MSc in Craniofacial Science

The UBC Faculty of Dentistry offers advanced study leading to a PhD or MSc in Craniofacial Science. The PhD program requires the successful completion of a research-specific curriculum, a comprehensive exam, and defense of a research-based thesis. A minimum of four years of full-time study is typically required. The MSc program requires successful completion of a research-specific didactic curriculum in conjunction with a research-based thesis. This program typically requires two years of full-time study; however, an extended part-time option for an MSc degree is available. Research options in one of the following three broad areas of study are available:

- Population health research explores the complex interactions (social, cultural, environmental) that affect the oral health of individuals, communities, and populations.
- Oral health-related clinical research includes both interventional and observational studies focusing on the following: disease prevention, diagnosis, risk, treatment, prognosis, and health care.
- Basic science research in the areas of biomaterials, cell biology, developmental biology, microbiology, and molecular biology.

These graduate programs are available as stand-alone degrees or may be completed as a combined diploma in a clinical specialty with a PhD or MSc degree (see criteria below). Clinical specialty training options are available in the following areas.



Endodontics

PhD or MSc combined with a Diploma in Endodontics

- PhD degree (minimum 6 years) or MSc degree (minimum 3 years)
- Diploma in Endodontics

Graduates will be eligible to take the examinations for specialty certification in endodontics offered by the Royal College of Dentists of Canada and the American Board of Endodontics.

Research Focus

- eradication of microorganisms from the root canal system
- development of unique *in vitro* and *ex vivo* models for biofilms which simulate oral *in vivo* biofilms
- industry collaborations on new devices to improve antimicrobial solutions
- safety and effectiveness of instrument systems to deliver disinfecting agents into the root canal
- impact of file design on the eradication of root canal microbes

Clinical Training

- treatment management (including surgery) of diseases and trauma of the tooth root and pulp

Criteria

- Applicants must hold a DMD or its equivalent
- Application deadline: August 1

Orthodontics

PhD or MSc combined with a Diploma in Orthodontics

- PhD degree (minimum 6 years) or MSc degree (minimum 3 years)
- Diploma in Orthodontics

Graduates will be eligible to take the examinations for specialty certification in orthodontics offered by the Royal College of Dentists of Canada and the American Board of Orthodontics.

Research Focus

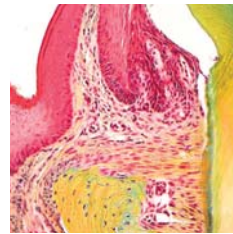
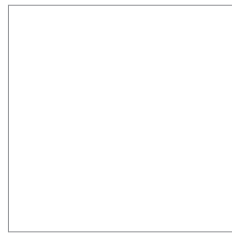
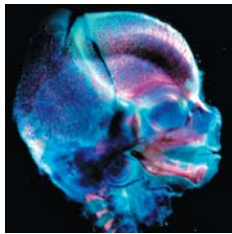
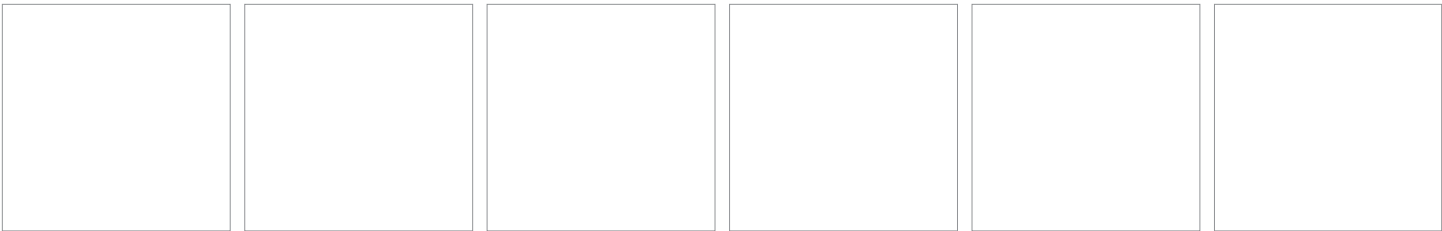
- craniofacial morphology and function in different populations
- efficiency and efficacy of treatment modalities
- societal and economic strategies that govern access to care
- craniofacial molecular and cellular control mechanisms
- impact of biomaterials on delivering orthodontic mechanics

Clinical Training

- diagnosis, prevention and treatment management of abnormal congenital or developmental relationships of the dentofacial anatomy from infancy to adulthood in diverse populations

Criteria

- Applicants must hold a DMD or its equivalent
- Postgraduate clinical and/or academic experience preferred
- Application deadline: September 1



Pediatric Dentistry

PhD or MSc combined with a Diploma in Pediatric Dentistry
 · PhD degree (minimum 6 years) or MSc degree (minimum 3 years)
 · Diploma in Pediatric Dentistry

Graduates will be eligible to take the examination for specialty certification in pediatric dentistry offered by the Royal College of Dentists of Canada and the diplomate examination of the American Board of Pediatric Dentistry.

Research Focus

- biomedical research (craniofacial development)
- clinical research (facial symmetry of cleft lip and palate)
- population health and health services research (oral health promotion and access to care for disadvantaged children)

Clinical Training

- diagnostic, preventive, therapeutic and consultative expertise for children and adolescents including those with special healthcare needs at BC Children's Hospital Dental Department, Oral Health Centre at UBC Vancouver, and community settings throughout the province

Criteria

- Applicants must hold a DMD or its equivalent
- Application deadline: October 1

Periodontics

PhD or MSc combined with a Diploma in Periodontics
 · PhD degree (minimum 6 years) or MSc degree (minimum 3 years)
 · Diploma in Periodontics

This program is recognized by the American Dental Association and the Academy of Periodontology. Graduates will be eligible to take the examination for fellowship in the Royal College of Dentists of Canada and the board examination of the American Academy of Periodontology.

Research Focus

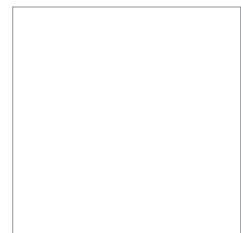
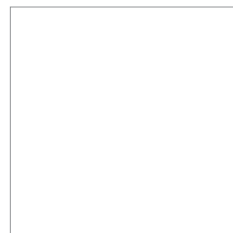
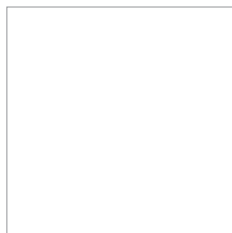
- molecular pathology of periodontal disease
- periodontal and skin wound healing
- clinical aspects of tissue healing around implants
- stem cell-mediated regeneration of lost tissues

Clinical Training

- management of tooth-supporting structures using non-surgical and surgical procedures
- tooth replacement with implants when needed

Criteria

- Applicants must hold a DMD or its equivalent
- Application deadline: September 1



Prosthodontics

PhD or MSc combined with a Diploma in Prosthodontics
 · PhD degree (minimum 6 years) or MSc degree (minimum 3 years)
 · Diploma in Prosthodontics

Graduates will be eligible to take the examinations for specialty certification in prosthodontics offered by the Royal College of Dentists of Canada and the American Board of Prosthodontics.

Research Focus

- geriatric dentistry
- oral implants and related prostheses
- caries management
- psychosocial aspects of aging
- community healthcare needs

Clinical Training

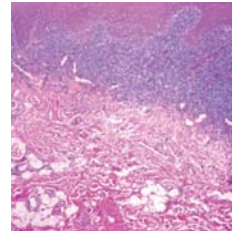
- diagnosis, restoration and maintenance of oral function, comfort, appearance and health of patients by the restoration of natural teeth and/or the replacement of missing teeth and contiguous oral and maxillofacial tissues with artificial substitutes
- aesthetics/cosmetic dentistry
- crowns, bridges, veneers, inlays
- complete and removable partial dentures
- dental implants
- TMD-jaw joint problems
- traumatic injuries to the structures of the mouth

Criteria

- Applicants must hold a DMD or its equivalent
- Application deadline: October 1

For more information on postgraduate programs visit www.dentistry.ubc.ca/postgrad or contact: Dorothy Stanfield dstanf@dentistry.ubc.ca T 604 822 0345

POSTGRADUATE OPPORTUNITIES



General Practice Residency Program

- Advanced postgraduate training in dental specialties in a hospital setting
- Approximately 11 salaried, residency positions per year (one- or two-year)

Applicants choose to apply to the Pediatric Residency, Geriatric Dentistry Residency, or the General Practice Residency. All programs are approved by the Commission on Dental Accreditation of Canada.

A variety of local, provincial and international learning opportunities are available to expand the comprehensive training each resident receives. Community clinics provide oral healthcare to individuals on income assistance, job training and other pre-employment programs. Care to the people of Haida Gwaii supports a community dental health strategy. International experience broadens the scope of learning to understand regional disease processes, treatment modalities and cultural competencies.

Local-Based Residencies

- BC Cancer Agency, BC Children's Hospital, Vancouver Hospital & Health Sciences Centre, St. Paul's Hospital, Portland Community Clinic, First United Oral Health Program, Vancouver Native Health Society (and other community clinics)

Provincial-Based Residencies

- Haida Gwaii (Skidegate and Massett dental clinics), Kelowna Gospel Mission, Prince George Native Friendship Centre, Victoria (Cool Aid Community Health Centre)

International-Based Residencies

- Vietnam (University of Ho Chi Minh, National Hospital of Odonto-Stomatology and Ho Chi Minh City Cancer Centre)
- Cambodia (Angkor Hospital for Children, Siem Reap)
- United Kingdom (Solihull, Queen Elizabeth and Birmingham Children's Hospitals)

Application deadline: October 15

Oral Medicine and Oral Pathology Residency Program

- Hospital-based postgraduate specialist residency
- Three pathways: Oral Medicine (OM, three years), Oral Pathology (OP, three years), or Combined (OMOP, four years)

Completion of any of the three pathways leads to a certificate and eligibility for the Royal College of Dentists of Canada fellowship examinations.

Local hospital-based training sites

- UBC-affiliated teaching hospitals: BC Cancer Agency, Vancouver Hospital & Health Sciences Centre, St. Paul's Hospital

Clinical practice component (training diagnosis, assessment and management)

- oral mucosal disease
- orofacial disorders associated with aging, systemic disease and medical therapies
- non-surgical salivary gland disorders
- rotations in anesthesia, internal medicine, rheumatology, neurosciences, dermatology, diagnostic pathology, oncology, otolaryngology, surgical pathology (including autopsy), head and neck pathology, and dermatopathology
- OM pathway: additional training in dental management of medically complex patients and diagnosis and treatment of orofacial pain and neurosensory disorders
- OP pathway: additional training in surgical and anatomical histopathology and laboratory procedures, techniques and diagnosis

Didactic component

- postgraduate-level seminars, case presentations and literature reviews
- teaching rounds
- ongoing basic and/or clinical research studies

Application deadline: November 1