

MARK YOUR CALENDARS!

**JUNE 20 - 24, 2011
(MONDAY - FRIDAY)**

Cast Gold Restoration
Dr. Margaret A. Webb

Don't miss this unique opportunity!
Times: 8 am - 6 pm
(format and times vary slightly each day)

Location: Nobel Biocare Oral Health Centre and
John B. Macdonald Building, Faculty of Dentistry

This is an intensive five-day hands-on
course. Each day begins with a lecture before
proceeding to the hands-on clinical day. In
addition to working on individual patient
cases, participants will gain more in-depth
knowledge of laboratory procedures.

SPRING, SUMMER, FALL 2011

EVENTS FOR STUDENTS AND ALUMNI

Welcome to Practice Event
April 28, 2011 (Thursday)

UBC Alumni Weekend
May 28, 2011 (Saturday)

**9th Annual Alumni & Friends
Golf Tournament**
September 18, 2011 (Sunday)

UBC Dentistry Family Day
September 24, 2011 (Saturday)

MORE EVENTS FOR ALUMNI

**A Taste of an Executive MBA for
Dental Alumni** May 7, 2011 (Saturday)

Alumni Culinary Adventure in France
June 22 - July 3, 2011 (Wednesday - Sunday)

**Alumni Wine Reception at
TODS Meeting, Kelowna**
October 21, 2011 (Friday)

More information about these events can
be found on pages 32 - 33 in this issue of
Impressions or www.dentistry.ubc.ca/alumni

IMPRESSIONS

204 - 2199 Wesbrook Mall
Vancouver BC Canada
V6T 1Z3

T 604 827 3335
E terrysw@interchange.ubc.ca
dentistry.ubc.ca

Update your address at www.dentistry.ubc.ca/alumni or e-mail
dentalum@interchange.ubc.ca

Recipient, *Meskin*
*Journalism Award for
Excellence in Dental
Student Publications.*
Presented by the American
Association of Dental
Editors, October 2010.

Publisher Charles Shuler
Editor-in-chief Terry Wintonyk
Writers Lorraine Chan, Heather
Conn, Mari-Lou Rowley
(Pro-Textual Communications),
Terry Wintonyk

Contributors Jane Merling,
Jenn Parsons, Nik Williams-Walsh
Copy editor Vicki McCullough
Photography Martin Dee, Bruce McCaughey,
Richard Simonsen, Terry Wintonyk
Design Letterbox Design Group

UBC DENTISTRY



Return undeliverable Canadian addresses to:
UBC Dentistry (Impressions)
204 - 2199 Wesbrook Mall
Vancouver BC Canada V6T 1Z3



UBC DENTISTRY



SPRING 11

IMPRESSIONS

| | | | | | | | |
|---|----------------|----|---|----|---|----|----------------------------------|
| 2 | Dean's Message | 12 | UBC's Children's Dental Program: A Win-Win Situation | 22 | Grad Students in Endodontics | 28 | Alumni Class Notes and Events |
| 3 | News | 16 | Reaching Out to Combat Oral Cancer | 26 | The Chrysalis Student Lounge A Transformational Gift | 35 | CDE Calendar |



Advancing Oral Health Through Outstanding Education, Research and Community Service



a place of mind

THE UNIVERSITY OF BRITISH COLUMBIA

Dean's Message



*Dear Colleagues,
Welcome to the spring 2011 edition of UBC Faculty of Dentistry's Impressions.*

The 2010-2011 academic year has been noteworthy for many accomplishments. The five graduate specialty programs and the postgraduate Oral Medicine and Oral Pathology (OMOP) Postgraduate Hospital Residency Program have outstanding students who are providing specialty care to a large number of patients. The graduate programs are also working very well together, collaborating on a complex patient treatment planning seminar that will become a prominent aspect of our graduate and postgraduate education.

We have also completed two significant renovation projects in the past few months. One half of the previous dental clinic on the second floor of the John B. Macdonald Building has been converted into the sizable Computer Learning Centre and six seminar rooms. These provide additional sites for student learning and enhance the educational experience. The student lounge has also been renovated thanks to a very generous donation from the Chrysalis Dental Centres. The lounge, which had its grand opening in January 2011, gives all students a place to relax between

classes and at the end of the day. Planning is now underway to renovate the plaster lab in the John B. Macdonald Building, and that construction should begin in April 2011. Although it has been a challenge to work and learn in a building under renovation, everyone in the Faculty of Dentistry has been very patient with these projects that are greatly improving our facilities.

The feature articles in this edition of *Impressions* focus on some major initiatives in the Faculty of Dentistry. The contributions by Dentistry faculty members and the BC Oral Cancer Prevention Program at the BC Cancer Agency Research Centre have made some impressive progress on understanding the etiology, diagnosis and management of oral cancer. Their achievements have now been recognized by a large multi-centre clinical trial to investigate the use of tissue fluorescence as an important adjunct in cancer therapy.

Another article highlights the achievements of students, staff and faculty to address the oral health needs of children who have limited access to oral health professionals.

This project requires careful coordination of university and community resources and personnel to achieve critical improvements in the oral health of children.

Throughout this issue, we highlight the individual accomplishments and contributions of many members of our British Columbia dental community, who enhance our teaching, research and service outcomes in significant ways.

I hope you enjoy this edition of *Impressions*. We are excited by what we—our students, staff and faculty members—have accomplished in 2010 and the opportunities that have arisen in 2011. And we always look forward to sharing these achievements with you.

All the best,

Charles Shuler, DMD, PhD
Dean and Professor, Faculty of Dentistry

PHOTO BY MARTIN DEE | COVER PHOTO BY RICHARD SIMONSEN

NEWS

Dr. Michele Williams Shares in CDA Oral Health Promotion Award to BC OCPP

The Canadian Dental Association has presented the Oral Health Promotion Award to the BC Oral Cancer Prevention Program (BC OCPP) and two of its founding pioneers, Dr. Miriam Rosin and UBC alumna and clinical professor Dr. Michele Williams (DMD 1988). Both are part of a team of scientists and clinicians that has worked tirelessly to develop a program to heighten the awareness of oral cancer and the need for early detection.

Rosin and Williams led a working group in creating *Guideline for the Early Detection of Oral Cancer in British Columbia 2008*, which has been adopted as a standard and widely circulated in BC and the rest of Canada. The Guideline is available online at www.dentistry.ubc.ca/go/guideline.

In addition, their team has established a variety of community outreach programs that are linked to the central BC Cancer Agency/BC Cancer Research Centre, Vancouver General Hospital and the University of British Columbia Faculty of Dentistry. There has been a special emphasis on outreach to high-risk, under-served groups such as the poor, new immigrant populations and the elderly, who have limited access to care and information.

Through their work, Rosin and Williams have defined the pathway to reducing the incidence of oral cancer and have led the way to researching new technologies for recognizing and diagnosing oral cancer. For more information, read "Reaching Out to Combat Oral Cancer" on page 16 in this issue of *Impressions*.



Dr. Miriam Rosin receives the CDA Oral Health Promotion Award with Dr. Michele Williams at the Canadian Dental Association Interim Meeting of Voting Members, in Ottawa, Ontario, on November 5, 2010. Front row (L to R): Drs. Bruce Ward, Jim Armstrong, Miriam Rosin, Michele Williams and David Ciriani. Back row (L to R): Drs. Charles Shuler, Will Gaede, Alastair Nicoll, David Zaporinuk, Ronald Smith, Tony Gill, Hank Klein and Ms. Jocelyn Johnson.

Impressions Wins Journalism Award



Terry Wintonyk (L), manager of Communications and editor-in-chief of *Impressions*, receives the Meskin Journalism Award from Dr. Fred Bremner, president of the AADE, at the awards ceremony in Orlando, Florida.

UBC Dentistry's *Impressions* magazine won the 2010 Meskin Journalism Award, presented by the American Association of Dental Editors (AADE), for excellence in dental student publications. The award was presented at an AADE ceremony in Orlando, Florida, in October.

Impressions magazine was launched in the fall of 2008, with a mandate to focus on activities that directly address Dentistry's three strategic priorities: enhancing the student experience, amplifying the research volume, and increasing community involvement. Feature articles highlight the Faculty's recognized leadership and key role in shaping the future of the dentistry and dental hygiene professions. It is now in its sixth edition.

Terry Wintonyk, manager of Communications at UBC Dentistry and editor-in-chief of *Impressions*, accepted the Meskin Award. Wintonyk acknowledged the dean, Dr. Charles Shuler, for his enthusiasm and support; the amazing talents of feature writers, contributors, the copy editor, photographers and designers; and the faculty and students for being rich and interesting story subjects.

Read past editions of *Impressions* at www.dentistry.ubc.ca/impressions

PHOTO BY AADE

Canadian Forces Partners With BOLD



A. Major Rick Hockney and Captain Richard Groves at the Swissair 111 DVI.

B. Major Les Campbell at the Haiti DVI.

C. Major Ellen Sim and CF surgeon general Commodore Hans Jung at the Haiti DVI; an RCMP colleague looks on.

D. UBC endodontic resident and now retired major Dr. Les Campbell (seated at the computer) discusses victim data with other members of a Canadian Forces team deployed to Haiti in February 2010.

Mass casualties and disaster victim identification (also known as DVI) are chilling scenarios most of us would rather not think about. Add a military component—the Canadian Forces—and our minds may immediately conjure a collapse in society, even armed conflicts. How could it not, with the daily news-grind reminding us that Canadians are serving in military missions overseas?

Similarly grim circumstances, however, can occur anywhere in the world—including Canada. Earthquakes, tsunamis, fires, explosions, collapsed buildings and floods happen every day. If the consequences are massive, the Canadian Forces (CF), with its specially trained teams, could be the first national or international responders on the scene to identify human remains. Indeed, CF teams were key elements in the DVI responses to the 1998 Swissair crash in Nova Scotia and the 2010 earthquake in Haiti. CF teams have also been dispatched by the Government of Canada in recent years to assist in identifying remains of fallen Canadian WWI soldiers in France and WWII airmen in Burma.

The CF has traditionally received standard DVI training from the US Armed Forces Institute of Pathology in Washington DC, completing an iterative suite of programs, including the use of WinID, the US DVI database computer application. Given their potential for deployment into a variety of international jurisdictions, however, the CF is now seeking to also hold credentials reflecting international police organization Interpol's DVI standard, and to train with Canadian civilian colleagues they may one day be working alongside on major DVI missions at home or abroad.

The Bureau of Legal Dentistry (BOLD) lab, under the aegis of UBC Dentistry, and core members of the BOLD-sponsored BC Forensic Odontology Response Team (BC-FORT), are providing dental personnel from the Canadian Forces with formalized, advanced training in

post-mortem and ante-mortem data collection and handling. The training will establish familiarity with the Interpol DVI standard, including use of DVI System International—Interpol's DVI database computer application manufactured by PlassData. The course will also include responding to a simulated mass casualty incident.

Achieving interoperability between CF and civilian DVI partners, matched with professional competencies and credential equivalency of CF dental officers to civilian DVI colleagues, takes planning and preparation—a task well executed by Dr. David Sweet OC, director of BOLD. Sweet is currently chief DVI scientist at Interpol (Lyon) and a forensic advisor to the International Committee of the Red Cross (Geneva).

Colonel James Taylor DMD 1984, the Canadian Forces senior ranking dental officer, remarks: "I very much appreciate Dr. Sweet's leadership and sustained effort to support the Canadian Forces with this advanced training. I consider the BOLD institute and its approach to be a very appropriate Canadian benchmark for training in forensic odontology and DVI." The training, according to Taylor, is part of an ever-evolving inter-institutional relationship that enables the CF to better serve Canada and Canadians.

Sweet has pioneered techniques that have become global industry standards in forensic odontology, including techniques for disaster response. He founded BC-FORT, one of the most highly trained groups of responders capable of handling a mass disaster in Canada or acting on behalf of Canadians who perish outside our national borders. BC-FORT members were recognized as world leaders in DVI during the response to Thailand's 2005 tsunami. Sweet was appointed as an Officer of the Order of Canada in 2008 for enhancing Canada's reputation as a leader in forensic odontology and for his contributions as a teacher, researcher and consultant.

BOLD Lab Graduate Student Asked to Visit Crime Scene, Advise Police

In many UBC labs, supervisors and graduate students often have to wait for opportunities to apply their research outcomes and newest discoveries in order to help the public at large. In forensic science, when the chance to directly and immediately apply results from projects arises, the applications can border on the "dramatic."

Bureau of Legal Dentistry (BOLD) graduate student Laura Mai is currently working with her supervisors, BOLD's director Dr. David Sweet OC and Dr. Andre Marziali from Engineering Physics, to test an innovative technology to clean forensic DNA evidence from contaminated crime scenes. Developed by Marziali, SCODA (Synchronous Coefficient of Drag Alteration) promises to exact much better DNA profiles and outcomes from dirty forensic exhibits seized by police from crime scenes.

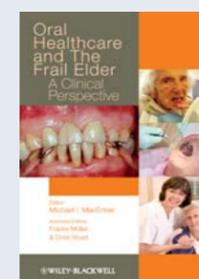
News of SCODA's promise has circulated outside the UBC research labs, and now detectives from the Vancouver Police Department and homicide investigators from the RCMP have contacted Laura, seeking her assistance with problematic cases. Actual crime scene exhibits have been submitted to BOLD lab for her to test. In one extreme case, plans are underway for Laura to accompany police sleuths to the crime scene to advise them on how best to collect and preserve the contaminated trace evidence.

This interest in applying SCODA technology even before Laura's research project is complete indicates its significant potential to assist in identifying and prosecuting criminals.



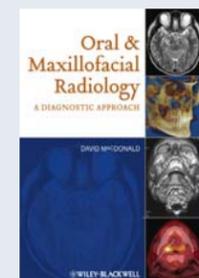
At the BOLD lab (L to R): Dr. David Sweet OC, Laura Mai, Hiron Poon (RCMP technical leader for the Biology Services Directorate, a component of Forensic Science and Identification Services) and Dr. Andre Marziali.

Between the Covers—New Books by Faculty Members



Oral Healthcare and the Frail Elder: A Clinical Perspective provides dentists, dental hygienists and other health care professionals with comprehensive, practical instruction on managing the multifaceted oral health care needs of frail elders. The book—with Dr. Michael I. MacEntee, professor of Prosthodontics & Dental Geriatrics, as its senior editor—provides a broad and scholarly perspective on clinical issues such as oral pain, dry mouth and periodontal disease. It also thoroughly reviews pertinent social and ethical issues, access to care and the practicalities of providing high-quality oral health care to an aging population.

Dr. Chris Wyatt, associate professor and chair of Prosthodontics & Dental Geriatrics, and Dr. Frauke Müller, professor and chair of Gerodontology and Removable Prosthodontics at the University of Geneva, Switzerland, are associate editors.

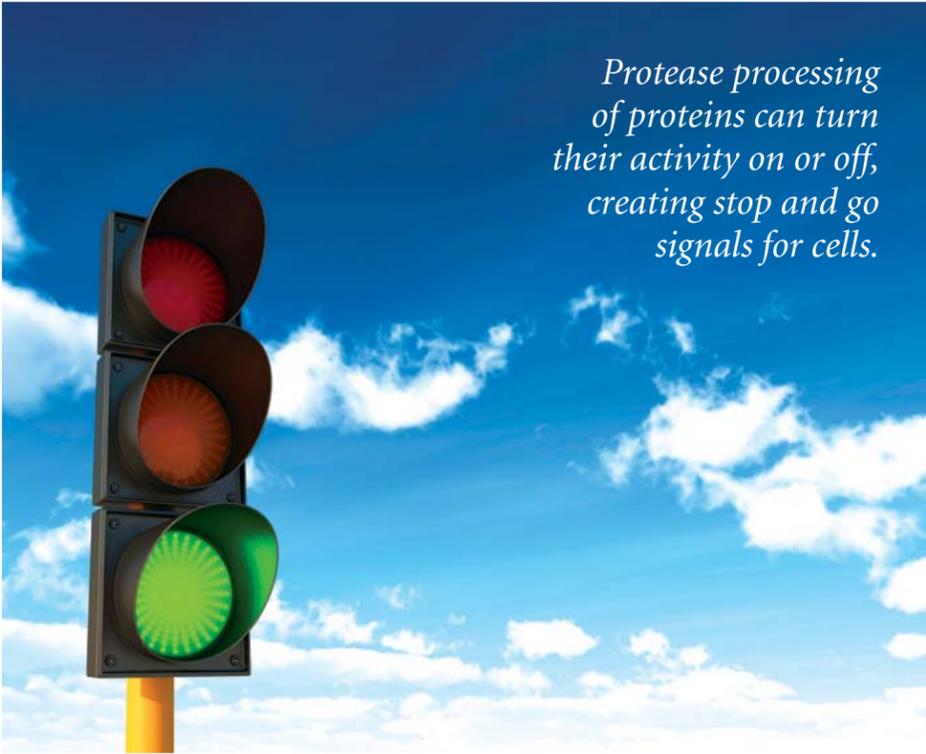


Oral and Maxillofacial Radiology: A Diagnostic Approach provides clinicians of various disciplines and skill levels—including non-radiologist readers and senior students—a practical and systematic approach to diagnosing lesions that affect the face and jaw. Written by Dr. David MacDonald, associate professor and chair of the Division of Oral & Maxillofacial Radiology and a recognized expert in the field, the book contains a multitude of clinical images, practical examples and flowcharts to facilitate differential diagnosis. To reflect the scope of humanity, the book presents common and significant lesions within four broad ethnic groups, then focuses on appropriate imaging. Several chapters are co-written with a medical radiologist, Dr. Monty Martin, chief of Diagnostic Radiology, BC Cancer Agency, to bridge the gap between current textbooks in oral and maxillofacial radiology and those to do with the head and neck. The neck and base of the skull are locations where lesions are likely to be found.

Both titles are published by Wiley-Blackwell and may be purchased at www.wiley.com/go/dentistry

CIHR Awards Over \$1.76M to UBC Dentistry Researchers

Protease processing of proteins can turn their activity on or off, creating stop and go signals for cells.



The Canadian Institutes of Health Research (CIHR) has awarded UBC Dentistry professor Chris Overall and his team funding to study tissue destruction and cancer growth. The Overall Lab has developed new techniques employing gene chips and proteomics to identify thousands of proteins at a time in tissues, giving a comprehensive view of diseases such as cancer and inflammation.

Their methods specifically detect the stubs that remain after proteins are dissolved by enzymes called proteases. These protein stubs enable the researchers to decipher which signalling proteins are turned on or off by the proteases. Cells behave differently when the signals are in the “on” or “off” position, so if switching by proteases goes wrong, disease can result. The protein stubs can be important tell-tale signs, called biomarkers, that could aid in diagnosing disease. This research could lead Overall and his team to home in on targets for the development of new therapeutic drugs to treat cancer and inflammation.

Dr. Chris Overall Secures Funding to Research Breast Cancer Growth

The CIHR has awarded Dr. Chris Overall and co-investigator Dr. Shoukat Dedhar, from UBC’s Department of Biochemistry and Molecular Biology, funding—totalling just over \$890,000 over five years—to investigate proteolytic signatures in breast cancer.

Death from cancer mainly occurs when the tumour spreads from its original site to other sites in the body (metastasis). In breast cancer, proteases dissolve the tissue, allowing malignant cells to spread, entering blood

vessels and finally going to organs such as the lungs. In cutting signalling proteins, proteases cause the cancer cells to change their behaviour, usually for the worse. Tumours in mouse mammary glands are a good model for human breast cancer.

“We found that highly malignant breast cancer cells make matrix metalloproteinases (MMPs) and other important proteases called ‘matriptases.’ Certain of these proteases are found in primary tumours that metastasize

in mice, but are absent from those tumours that do not spread. It is important to know what they do at this stage in helping cancer grow and spread,” Overall explains. “Our gene chips and proteomics techniques can uncover changes in proteins and how they are cut to give proteolytic signatures that occur in breast and lung cancer.” Thus, Overall and his team can decipher the actions of proteases that make tumours more cancerous.

‘Moonlighting Proteins’ Under Investigation—Grant Awarded

Dr. Chris Overall and research associate Dr. Georgina Butler will investigate how proteases change the activity of “moonlighting proteins,”—that is, proteins that have different activities depending on where they are located. Certain proteins that normally function inside the cell can, on occasion, occur outside the cell where some play important signalling roles in inflammation. Overall and Butler’s research, titled “Moonlighting Intracellular Proteins in the Extracellular Matrix,” secured five-year funding—just over \$877,000—from the CIHR.

In inflammation, tissue proteins are dissolved by proteases called matrix metalloproteinases (MMPs), which are made by most tissues and white blood cells that fight infection. MMPs destroy tissue by dissolving collagens—rope-like protein structures that add strength to tissues—found in joints and gums, causing loose teeth in gum disease and swollen, sore joints in arthritis. However, MMPs also orchestrate healing and the way white blood cells protect the body from infection by cutting cell signalling proteins. Understanding the moonlighting proteins, how they send signals and how MMPs change those signals is important to fully understand the ways in which inflammation destroys tissues and causes disease.

Research Day 2011

Members of the dental community joined faculty and students on January 25 to reflect on the importance of Research Day and the topic, “Dignity and Quality of Life for a Frail Population.”

This year’s Research Day explored how research conducted at UBC is being translated into new approaches for managing geriatric patients. A dynamic day of presentations underscored the importance of the topic, given that people are now living longer with their teeth, which represents a new challenge for oral health professionals. The frail elderly population is particularly vulnerable to dental problems, which can negatively impact their quality of life.

Dean emeritus Dr. George Beagrie began the presentations with his galvanizing perspective on the meaning and significance of Research Day. As a prelude to the presentations, video monologues featuring members of the dental community—Dr. Norman Ferguson, Dr. Terry Kline, Mrs. Sofia Leung CM, Dr. William Rosebush, Dr. Angele Wong and Dr. Ralph Yorsh—conveyed their reflections on the importance of the theme and the day.

Members of Dentistry’s Division of Prosthodontics & Dental Geriatrics, as well as Dr. Lynn Beattie, professor emeritus in UBC Faculty of Medicine’s Department of Geriatric Medicine, collectively addressed the systemic and oral physiological changes that occur with aging, how best to educate future dental professionals, and how to effectively manage the oral health needs of frail people. Dr. Asuman Kiyak, professor and director of the Institute of Aging at the University of Washington, delivered the keynote address: “The Future of Oral Health Care for Frail Elders.”

Research Day 2011 brought together faculty, students, staff and several visiting students and professors from Australia and Korea. The event took place on the UBC campus in the Student Union Building ballroom.



Research Day 2011 presenters (L to R): Drs. Asuman Kiyak, Chris Wyatt, Michael MacEntee, Ross Bryant, George Beagrie, Mario Brondani, and Lynn Beattie.

UBC Dentistry is grateful to the following Research Day 2011 Silver Sponsors.

SILVER BREAKFAST SPONSOR



SILVER LUNCH SPONSOR





Dr. Lawrence Rossoff Granted Fellowship to the ACD

Dr. Lawrence Rossoff, clinical assistant professor, was awarded Fellowship in the American College of Dentists (ACD) last October during its Annual Meeting and Convocation in Orlando, Florida.

Rossoff, who teaches preventive and community dentistry and preclinical instruction, is one of three core faculty members leading the Faculty of Dentistry's Professionalism and Community Service (PACS) program, a dynamic model combining classroom learning with community-based outreach initiatives. Throughout his career in dentistry,

Rossoff has passionately served—often as a volunteer—the most socially stigmatized populations: medically underserved residents of inner-city neighbourhoods and people in prisons. Students, colleagues and other outreach team members are often inspired by his infectious enthusiasm.

The American College of Dentists is the oldest national [US] honorary organization for dentists. Its members have exemplified excellence through outstanding leadership and exceptional contributions to dentistry and society.



TFRI Awards \$5M to Dr. Catherine Poh

The Terry Fox Research Institute (TFRI) has awarded Dentistry associate professor Dr. Catherine Poh and members of the BC Oral Cancer Prevention Program team a \$5 million grant. This grant will support a Canada-wide Phase III randomized surgical trial to further evaluate fluorescence visualization (FV) as a visual enhancement tool in oral cancer surgery. The trial— involving multiple centres and disciplines— is already running in BC and will soon be underway across the country.

Poh is a pioneer in the use of FV, a light tool that uses optics to detect cancerous margins and helps surgeons determine the extent of the high-risk tissue. Poh has seen recurrence rates in oral cancer reduced from 25 percent to almost zero through application of FV.

For more information, read “Reaching Out to Combat Oral Cancer” on page 16 in this issue of *Impressions*.

Online Now!

Report: Financing and Regulating Oral Health Care in Long-Term-Care Facilities



Addressing the problem that oral care is little more than emergency care—due to inadequate governmental funding and ageism among health care professionals—UBC Dentistry researchers undertook a systematic review of the literature on regulating and financing oral health care for frail elders in residential care. The report, *A Scoping Review and Research Synthesis on Financing and Regulating Oral Healthcare in Long-Term Care Facilities*, summarizes the evidence available and notes the gaps in knowledge. Their research was supported by a grant from the Canadian Institutes of Health Research Institute on Aging.

Read or download the report at www.elders.dentistry.ubc.ca/scopingreview

Referral Forms: Graduate Programs Clinic

Looking to refer a case to the Graduate Programs Clinic at UBC Dentistry?

The clinic accepts patient referrals for complex cases in orthodontics, pediatric dentistry, periodontics, endodontics and prosthodontics.

Download referral forms at www.dentistry.ubc.ca/referral



More Community Programs

New Dental Clinic Launched in the Downtown Eastside



First United Church, East Hastings Street, Vancouver, BC.

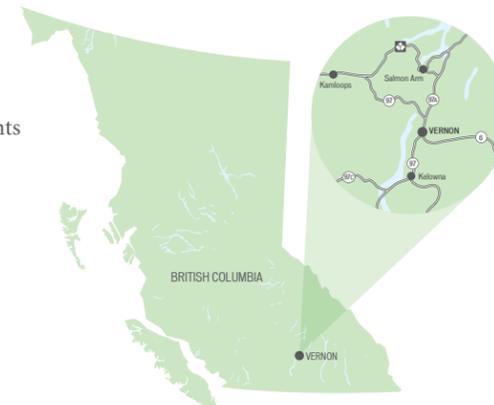
With over 60 percent of the local population experiencing oral/facial pain, Vancouver's Downtown Eastside is a community in need of more oral health programs. UBC Dentistry and the First United Church—a long-standing neighbourhood institution that strives to meet the unmet health needs of residents—have partnered to operate a dental clinic located at

the church. Dentistry began rotating general practice residents through the one-chair clinic in January; dental and dental hygiene students will follow in the future. Dr. Christopher Zed, associate dean, Strategic and External Affairs, and head, Postgraduate and Hospital Programs, sees dentistry residents and students as an ideal fit for the neighbourhood—they are already familiar with treating underserved and under-accessed communities. Treatment for area residents—many of them homeless—will focus on pain management and infection control. The pilot program, called the UBC Dentistry First United Oral Health Program, will also assess the community's needs for dental care in the long term.

Read, listen and watch more detailed news coverage about the UBC Dentistry First United Oral Health Program at www.dentistry.ubc.ca/go/fuohp

Vernon to Receive General Practice Residents

Residents from Dentistry's General Practice Residency Program will begin to rotate to Vernon's First Nations Friendship Centre. The centre, located in downtown Vernon, a city in south-central British Columbia, is slated to open its new Community Dental Access Centre in spring 2011. Dental residents rotating to the clinic will provide necessary care to individuals in the North Okanagan area who are experiencing dental pain or infection, and who cannot afford treatment in a private clinic. Fourth-year dental and dental hygiene students are also planned for rotations to this clinic site, to broaden their scope of educational experience and community service.



Clinical Radiography Instructor Excels at Professional Development

Neala Welburn, clinical radiology instructor, continues to excel in her professional development: she recently received a diploma in Adult Education from Vancouver Community College. In addition to completing this challenging and competitive program in 2010, Welburn also received a certificate of participation in the UBC Dentistry Problem-Based Learning Tutor Training Workshop. This follows a previous busy year of accomplishments. In 2009 Welburn received her Provincial Instructors Diploma from Vancouver Community College and completed the Carolina Institute for Dental Radiology Educators course from the University of North Carolina. Welburn teaches clinical radiology in the Doctor of Dental Medicine program, the Dental Hygiene Degree Program and clinical specialty graduate programs.

Dr. Leandra Best, clinical assistant professor and years one and two DMD curriculum coordinator, speaks highly of Welburn, “Her professional achievements are remarkable; she's an outstanding asset for UBC Dentistry. Her interactive style of instruction engages learners and enhances their educational experiences.”

New Appointments: Full-Time Faculty



Dr. Fernanda R. Almeida

Fernanda R. Almeida, DDS, MSc, PhD, has been appointed assistant professor in the Department of Oral Health Sciences, where she teaches dental radiography. Dr. Almeida received her Doctor of Dental Surgery degree from the University of Sao Paulo, Brazil, in 1995, and in 2000, her Master of Science from the Federal University of Sao Paulo, Brazil. She is an alumna of UBC, where she completed her Doctor of Philosophy (Dental Sciences) in 2005. Almeida has been involved in oral appliance research and the treatment of patients with obstructive sleep apnea since 1996, and her research is focused on oral appliance side effects, compliance, titration modalities, imaging and treatment outcome. With other UBC Dentistry faculty, Almeida has designed an interdisciplinary program in dental sleep medicine for the clinical specialty graduate programs in orthodontics and pediatric dentistry. She shares the view that UBC is ripe for the establishment of a training program in dental sleep medicine that would prepare individuals for certification by the American Academy of Dental Sleep Medicine—the faculties of Dentistry and Medicine are internationally recognized for their interdisciplinary research in this field. Almeida is on the editorial board of the *Journal of Clinical Sleep Medicine* and is associate editor of *Sleep and Breathing: International Journal of the Science and Practice of Sleep Medicine*.



Dr. HsingChi von Bergmann

HsingChi von Bergmann, MSc, PhD, has been appointed associate professor in the Department of Oral Health Sciences, focusing on research in curriculum and instruction in health sciences education. She received her Master of Science in Science Education in 1994, and a doctorate in Curriculum and Instruction, Science Education in 1998, both from the University of Southern California. Prior to UBC, Dr. von Bergmann held an appointment as associate professor in Science Education at the University of Calgary, where she was coordinator of Curriculum, Teaching and Learning in the Faculty of Education, and an evaluation consultant for the Faculty of Science. She has also been a visiting professor at Michigan State University, East Lansing, and visiting scholar in the Department of Philosophy at the University of Notre Dame, South Bend, Indiana. Von Bergmann is a member of the editorial board for the *Contemporary Issues and Trends in Science Education* series. She was cofounder of the Hong Kong Accord on Global Science Education (2008) and an expert panel member for the Board of Science Education, US Congressional Committee for Evaluation of the NASA Pre-College Science Education (2006-2008). Von Bergmann's research expertise includes: problem-based learning; inquiry teaching, learning and assessment; college science teaching and evaluation (physics and mathematics education); history and philosophy of science in science education; opportunities to learn for science teachers; and science curriculum studies in K-12.



Dr. Sang Wan Shin: Hamber Foundation Visiting Professor in Dental Geriatrics

Since fall 2010, the work of Prof. Sang Wan Shin has enriched UBC Dentistry. Shin is from the Department of Advanced Prosthodontics, Graduate School of Clinical Dentistry, Korea University in Seoul, South Korea. A visiting professor under the Hamber Foundation Visiting Professorship in Dental Geriatrics, he has been working with Drs. Michael MacEntee and Ross Bryant to review dental geriatrics publications. The trio are also conducting a detailed comparative study of the educational programs in dental geriatrics at UBC, Yonsei University in South Korea and the Federal University of Rio Grande do Sul in Brazil. Additionally, Shin is reviewing treatment outcomes of implant-supported overdentures.

Prof. Shin is co-president of the International College of Prosthodontists and of the Asian Academy of Osseointegration, and president of the Implantology Research Group of the International Association for Dental Research. UBC Dentistry is honoured to have this eminent prosthodontist visiting the faculty. Says MacEntee, Shin “is a man of vision who sees prosthodontics in the context of a rapidly expanding elderly population.”

This professorship was established by the Hamber Foundation, along with UBC Dentistry alumni and community friends, to assist academics visiting UBC with their geriatric dentistry research.

PHOTO BY BRUCE MCGAUGHEY

Four Years in the Making—A Milestone for the Dental Hygiene Degree Program

The 2010/2011 academic year marks an important milestone for the Dental Hygiene Degree Program at UBC. For the first time, students in all four years of the Entry-to-Practice (ETP) option are on campus together.

When the Dental Hygiene Degree Program began in 1992, students entering the program were dental hygienists with diplomas who chose to complete their Bachelor of Dental Science in Dental Hygiene (BDSc (DH)) degree. In September 2007, the Faculty of Dentistry began offering the four-year ETP option, in which students train to become a dental hygienist while getting their BDSc (DH). Every year since, a new class—and new curriculum for this option—has been launched.

“After years of planning and creating new curriculum content, having all four years of classes finally at UBC is a dream come true,” says Prof. Bonnie Craig, director of the Dental Hygiene Degree Program. She has been instrumental in envisioning and starting up the degree program at UBC, as well as in developing its curriculum.

Obtaining a science degree in dental hygiene prepares graduates for community practice, clinical practice, administration and teaching—there are limitless opportunities in a growing and global profession. Qualified dental hygienists holding a bachelor's degree can continue their education and earn a master's degree such as the MSc in Craniofacial Science at UBC. Furthermore, many dental hygienists holding a master's degree aspire to more advanced studies at the doctoral level.



Prof. Bonnie Craig (3rd row, R, yellow jacket) with all four years of Entry-to-Practice classes in the Dental Hygiene Degree Program.

PHOTO BY BRUCE MCGAUGHEY

Stay Connected to UBC Dentistry

Visit www.dentistry.ubc.ca/news

Subscribe to the RSS news feed at www.dentistry.ubc.ca/rss

Follow news on Twitter @ubcdentistry (<http://twitter.com/ubcdentistry>)

Read or download past issues of *Impressions* at www.dentistry.ubc.ca/impressions



The 7th International Conference on PROBLEM-BASED LEARNING (PBL) IN DENTISTRY ELEMENTS OF A SUCCESSFUL PROGRAM

September 21, 2011:
Introduction to PBL and Tutor Training
September 22 – 24, 2011:
Main Conference

Nita Lake Lodge
Whistler, British Columbia, Canada

Visit www.dentistry.ubc.ca/pbl2011 for full conference details including speakers, topics, registration, accommodation and travel information.



PHOTOS BY TOURISM VANCOUVER

PHOTO BY ANNE CHORLTON

UBC'S CHILDREN'S DENTAL PROGRAM: A WIN-WIN SITUATION

BY HEATHER CONN

When two yellow school buses full of young out-of-towners and their parents or caregivers arrive Tuesday afternoons at the UBC Nobel Biocare Oral Health Centre, there is no red carpet, no uniformed greeter, no white-gloved handshake. Yet, these five- to 12-year-olds, some rambunctious and noisy, others silent and solemn, receive a more important, long-lasting form of VIP treatment.

For some of the youngest ones, who straggle in while holding the hand of a parent, this visit marks their first time at a dentist. These children come from hard-working, primarily immigrant, families in communities as far away as Abbotsford, Delta, Surrey, Port Moody and Richmond. The cost of dental services in private dental offices is a barrier for these families who do not qualify for publicly funded dental benefits. Referred by dental public health staff at Fraser Health and Vancouver Coastal Health, the children receive free basic dental care provided by UBC Dentistry students.

Only one other dental school in Canada offers a similar program where children are bused to a university-based clinic for treatment: the University of Manitoba sends kids and students by bus to and

from rural communities around Winnipeg. The UBC version is classic win-win: children who otherwise would not access dental care receive much-needed treatment, while dental students gain hands-on training in clinical pediatric dentistry and provide a rewarding community service.

“Most of the students have not yet interacted with child dental patients,” says Dr. Tracy Wong, coordinator of the program and clinical assistant professor in the UBC Faculty of Dentistry. That’s one reason why she passionately endorses this version of community service learning, whereby students gain clinical skills while fulfilling their social responsibility as future practitioners. “They see many challenging children with high treatment needs. We’re bringing the community to the clinic.”

They learn how to calm a youngster before an injection, using child-appropriate language such as “Your tooth is going to sleep, and then we can chase the sugar bugs away” or “It’s going to feel numb, fat and fuzzy.”

Dr. Tracy Wong.



Wong admits that some of the dental students are tentative and somewhat nervous at first, but once they successfully integrate their skills and knowledge and apply them to child patient care, they gain confidence and realize they will enjoy having children in their future practice. (On average, one UBC dental graduate a year chooses to specialize in pediatric dentistry.)

The Children's Dental Program exposes UBC's fourth-year dentistry students to children of diverse backgrounds, cultures, ages, levels of care and behaviour. They learn first-hand an array of skills: how to explain procedures gently to a child, apply behaviour management when a youngster won't comply, and how to counsel parents about preventive oral care, whether it's a change in diet or use of fluoride toothpaste. This forms part of the all-important "treatment triangle," says Wong: a relationship of mutual support, care and information shared between the dentist, patient and parents or caregivers.

"It's a lot of balancing of child, student and parent needs," says Dr. Rosamund Harrison, UBC's chair of pediatric dentistry. "Some of the families were doing well in their home countries and had access to dental care. Then, they immigrated to Canada where they have low-paying jobs and simply don't have the money for dental treatment. They sometimes feel a little uncertain having student dentists provide their children's dental care, but are quickly won over on seeing the care and attention their child receives."

Some children arriving at the clinic, which is full of unfamiliar smells and shiny instruments, are understandably afraid, says Wong. The UBC curriculum responds directly to such concerns. In addition to tutorials, lectures and simulation, an online learning component

called *Our First Visit* is available 24/7 for students. It offers practical prompts such as "How do you introduce the dental visit to a child and make them feel safe and comfortable?" and "What behaviour management techniques will you use to gain and maintain the co-operation of a young child?"

Students have two main concerns about pediatric dentistry, says Wong: giving local anaesthetic and dealing with a crying child. They learn how to calm a youngster before an injection, using child-appropriate language such as "Your tooth is going to sleep, and then we can chase the sugar bugs away" or "It's going to feel numb, fat and fuzzy." Students also learn how much their body language, tone of voice and touch affect children's responses. "You can kneel down to the child's level. Have eye contact, use distractions and humour."

To address language differences, Wong tries to match a student and child who share a mother tongue. She keeps a list of UBC dental students who speak various languages and are able to interpret. Most visiting children are South Asian, although families from Africa, Russia, the Philippines, the Middle East, China, Cambodia, Latin America and other countries have participated.

UBC's dental students watch and learn from pediatric dental specialists and general dentists who commit a half-day a week to teach in the clinic. (There are nine instructors for 46 students and 46 children.) "It takes a lot of dedication on their part," says Harrison. "They see this as an important way of giving back to UBC, to the Faculty of Dentistry and to the community."

One student was amazed to watch her supervising pediatric dentist soothe a young patient who was "wailing away, completely inconsolable" during an attempt to apply fissure sealants (plastic coatings applied to a tooth's chewing surfaces to prevent decay). The student shared the success online with her classmates: "She [the dentist] explained that we were first going to place a grey 'pillow' (bite block) in the child's mouth, and that once the 'pillow' was in place, the child was to close her eyes and fall asleep. Within one minute of placing the bite block in the child's mouth, the child closed her eyes and fell asleep for the rest of the appointment!" The student concluded: "Children will listen and be agreeable to treatment if they know what to expect."

Wong recalls one shy, 12-year-old girl whose teeth were malformed and discoloured due to a genetic condition. She never smiled. In addition, her teeth had a lot of calculus (hardened plaque). In response, a UBC student cleaned her teeth and used white composite restoration (fillings) to veneer the teeth and improve their appearance. "It was just amazing," Wong says. "This girl had a hand mirror and she couldn't stop smiling and looking at herself. Her mom was ecstatic."

One new immigrant father, who had just started his own business, was so happy with UBC's Children's Dental Program that he gave a donation and rallied all of his business associates to donate. Besides such private donors, the Faculty of Dentistry funds the program and also has benefited from sponsorship by the Tzu Chi Foundation, Variety – The Children's Charity and the CKNW Orphans' Fund.

"I am very happy," says Patricia Rettis-Martinez of Surrey, whose three oldest kids, ages 11, 8 and 5, received care through the program. "Providing the buses is a really great way to get to the facilities. Thank you so much for the good program." From Peru, Rettis-Martinez is now a Canadian citizen. She also brought her three-year-old twins for their first dental visits, which included oral examinations and preventive counselling. After all, healthy dental habits begin at a very young age.

The Children's Dental Program began in the mid-1970s as a six-week summer clinic for students between their third and fourth years. Currently, UBC Dentistry integrates aspects of pediatric dentistry into each undergraduate year, although it is fourth-year students, sometimes with the help of their third-year buddies, who deliver care in the Children's Dental Program.

Children who require more complex dental work have the opportunity to receive care in UBC's new graduate program in Pediatric Dentistry. While services in this program are not free, the fees are about 20 percent less than the fees customarily charged in general practice.

With many years of experience in dental public health, Wong believes that, overall, UBC's program contributes to an important culture shift in dentistry and education. In her view, the welcoming symbol of an open door on a yellow school bus—access to all—expands and empowers student learning.



Students also learn how much their body language, tone of voice and touch affect children's responses. "You can kneel down to the child's level. Have eye contact, use distractions and humour."

PHOTOS BY BRUCE McCAUGHEY

PHOTO BY MARTIN DEE

REACHING OUT TO COMBAT ORAL CANCER

BY MARI-LOU ROWLEY



Dr. Michele Williams (L), Dr. Lewei Zhang (C) and Dr. Miriam Rosin.

PHOTO BY MARTIN DEE

UBC's Faculty of Dentistry clinicians, researchers and colleagues from across BC are leading the fight against oral cancer by bringing innovative diagnostic tools into communities most at risk. Now, with a major grant from the Terry Fox Research Institute (Terry Fox Foundation), their research is going Canada-wide.

Oral cancer is a silent killer. Until recently, marginalized populations—the poor, the elderly and immigrants—were most at risk. Now, a growing number of cases are found in the young and upwardly mobile. Yet most people don't know oral cancer is a health threat. There are no runs for the cure, no coloured ribbon campaigns and no early warning symptoms. The statistics are alarming. Of the 3,200 people diagnosed with oral or oropharyngeal cancer each year in Canada, 40 to 50 percent will die within five years. Recurrence occurs in 30 to 40 percent of cases, and treatment of late-stage oral cancer can cause disfigurement, impairment of speech and eating, and diminished quality of life. That's why UBC dentists, researchers and colleagues at Simon Fraser University and the BC Cancer Agency have joined together in an interdisciplinary, multi-institutional effort to develop new diagnostic tools, screening methods and treatment protocols to improve outcomes for oral cancer patients.

"Oral cancer is a devastating disease that hasn't shown a lot of change in prognosis for decades anywhere in the world. We wanted to find a way to better manage it," says Dr. Miriam Rosin, director of the BC Oral Cancer Prevention Program (BC OCPP) at the BC Cancer Agency Research Centre. A translational scientist and professor in the Department of Biomedical Physiology and Kinesiology at SFU, and the Department of Pathology and Laboratory Medicine at UBC, Rosin has been working tirelessly over the past two decades to bring together a network of researchers and clinicians in a province-wide program to raise awareness of oral cancer and engage the community in early prevention and risk management.

Rosin and UBC Dentistry faculty Drs. Catherine Poh, Lewei Zhang and Michele Williams and researchers at the BC Cancer Agency are involved in an ongoing eight-year longitudinal study that is evaluating a set of innovative technologies to better guide clinical decisions on patient risk and treatment. Funded by the National Institute of Dental and Craniofacial Research, an arm of the National Institutes of Health in the US, the work of the BC OCPP is recognized as having the potential to provide more effective and potentially life saving early detection programs throughout Canada, the US and worldwide.

"This study is unique in the world, and it has been fundamental to the success of our program," says Rosin. "We now have over 400 patients with precancerous lesions that we are following over time."

Helping Dentists at the Front Lines of Detection

Rosin and UBC Dentistry clinical professor and oral medicine specialist Michele Williams were co-chairs in drafting *Guideline for the Early Detection of Oral Cancer in British Columbia 2008* (see resource links). The comprehensive approach to screening and lesion assessment includes recommendations for taking patient history, conducting visual examinations, using optional screening tools, and establishing guidelines for diagnostic biopsies and referral pathways. "We recognize that dental professionals have a key role to play in detection and prevention of oral cancer, so we have tried to facilitate this as much as possible," says Rosin.



“In the first 200 patients we identified two with oral cancer, and now the average in that community is one in 150 screened patients, compared with one in 10,000 in BC, Canada and the US.”

Dr. Catherine Poh.

PHOTO BY MARTIN DEE

With support from the BC Dental Association and the Vancouver Hospital and Health and Sciences Centre, Rosin, Williams, and former student and now UBC Dentistry assistant professor Dr. Denise Laronde conducted oral cancer focus groups with dentists and dental hygienists on issues such as education, barriers to treatment and diagnostic tools. “Dental professionals themselves told us the main issue was a need for diagnostic protocols and clear referral pathways,” Laronde states.

While the gold standard for diagnosis is still the biopsy, the procedure is costly and invasive, and many dentists lack the experience to perform the procedure. To aid in the collection of tissue samples, BC OCPP researchers have developed a brushing method that is easy to perform and non-invasive. In tandem, the group has developed highly sensitive molecular tools that can analyze the smaller tissue samples.



As founding members of BC's Oral Cancer Prevention Program, Rosin (L) and Williams recently received the Oral Health Promotion Award from the Canadian Dental Association.

Taking Oral Cancer Screening to the Streets

The largest risk factors for oral cancer are smoking and heavy drinking, which are often combined with poor diet and oral hygiene. “As part of our study we were looking at what community would most benefit from oral cancer screening,” says Catherine Poh, oral pathologist and associate professor of dentistry at UBC. “Vancouver’s Downtown Eastside is one of the poorest and most at-risk neighbourhoods in Canada.”

UBC in partnership with the BC government set up the Portland Community Dental Clinic, where, since 2004, Poh has been working with general dental practitioners to provide free oral cancer screening to Downtown Eastside residents. There, she pioneered the use of novel screening tools in a community-based setting. Tools include direct fluorescence visualization (FV) using a simple hand-held light-based visualization device (see sidebar). Her findings were startling. “In the first 200 patients we identified two with oral cancer, and now the average in that community is one in 150 screened patients, compared with one in 10,000 in BC, Canada and the US,” says Poh.

In addition to income and lifestyle risk factors, patients also face many barriers to treatment that Poh and colleagues also work to address. “Recently, we had a patient come in with a sore throat, which he assumed was because he was trying to quit smoking. It turned out he had an early stage of oral cancer,” says Poh, citing one example. “As well as having financial issues, he didn’t want to leave the Downtown Eastside because that’s where he felt safe. So it was difficult for him to go for radiation treatment.” Her team arranged for him to talk to a family counsellor at the BC Cancer Agency, who then arranged for transportation.

Poh and colleagues also run a mobile cancer screening program in community centres in the Downtown Eastside to reach patients who might not come to the dental clinic. Immigrant populations, particularly those from China, India and Southeast Asia are at high risk because of low awareness and cultural practices such as chewing tobacco and betel quid. “In talking with patients, we realized the screening has to be free, painless, fast and close by,” she notes.

FV Surgical Study Goes Canada-Wide

An unexpected finding of Poh’s early studies of FV was that regions of tissue showing loss of autofluorescence often extended unevenly beyond the clinical boundaries,

and sometimes go more than one centimetre. These changes even appeared at former lesion sites that were no longer clinically apparent. “In a way, surgeons are cutting blindly, because we know that there can still be some positive margin beyond the clinical boundary, as well as local recurrence,” she says. “Now we are using the tool to help surgeons outline the surgical margins, and initial results are very promising—with recurrence rates reduced from 25 percent to almost zero.”

This serendipitous discovery garnered a \$5-million grant from the Terry Fox Research Institute to support a Canada-wide Phase III randomized surgical trial to further evaluate FV as a visual enhancement tool in oral cancer surgery. This study will involve multiple centres and disciplines, and will include surgeons, pathologists, clinicians, radiation oncologists, biostatisticians, health economists, epidemiologists, molecular biologists and a medical anthropologist, whose task will be to examine how this trial can be applied to the community at large.

Streamlining Pathways to Treatment

Perhaps the best news for dentists and patients is that most oral premalignant lesions (OPLs) will not progress into cancer. The current “verdict” on whether a biopsy sample or tissue brushing is cancerous or has a high likelihood of becoming cancerous ultimately rests with oral pathologists and their skill at assessing cellular change. However, microscopic study of cellular tissue does not clearly differentiate between cells that will progress into cancer and those that will not, and interpretation of the changes that lead to cancer can be highly subjective. And since the largest proportion of OPLs are mild to moderate dysplasia (abnormal cell development), there is a need for an inexpensive system to triage samples before more costly molecular analysis techniques are undertaken.

Lewei Zhang, director of the BC Oral Biopsy Service and professor of dentistry at UBC, has

Fluorescence Visualization (FV)—A Guiding Light

Visual identification of oral precancerous lesions (OPLs) is challenging because it can be hard to discern differences in the colour of oral cavity tissue. Healthy tissue can vary from light pink to red. When exposed to light in the blue energy range, normal tissues will appear green. Cancerous or precancerous lesions, however, lose fluorescence and appear dark brown.

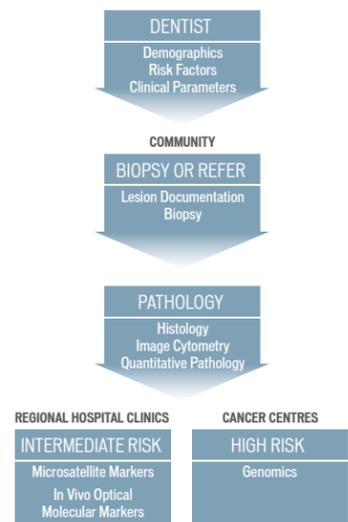
The BC OCPP team uses fluorescence visualization in conjunction with toluidine blue stain to help detect oral cancer and pre-cancer. While toluidine blue stains tissue components such as DNA, the FV light tool uses optics to detect the complex alteration to tissue structure and biochemistry.



PHOTO BY MARTIN DEE

been working to characterize molecular and genetic markers that help identify which OPLs will progress to cancer. She has worked with physicists at the BC OCPP to develop an in-house computer imaging system that is able to analyze 110 different nuclear features, such as size, shape and even the texture of certain cells. Using previous data that compares normal and cancerous cells, the imaging system visually and quantitatively differentiates subtle differences in OPLs to provide better diagnosis and identification of high-risk lesions.

This work is fundamental to another major goal of the BC OCPP—streamlining the referral process to provide timely evaluation and treatment for those at highest risk, while avoiding over-treating patients who have low-risk lesions. The team developed a five-step approach to patient management (see diagram). To date, nearly 3,000 dentists in BC participate in the screening network.



BC OCPP five-step approach to patient management: 1) Identification of patients for follow-up by dentists in the community, biopsies are taken by the dentist or referred forward for assessment by specialists; 2) Collection of biopsy for histology evaluation; 3) Assessment of biopsies and samples for triage, either back to the community for follow-up (low risk) or forward to: 4) Intermediate-risk provincial clinics; or 5) High-risk clinics in cancer centres.

Dealing with Devastation—The Front Lines of Cancer Patient Care

Since there is such a low awareness of oral cancer, its diagnosis often comes as a surprise to patients. Depending upon the stage of the disease, the reality of treatment and prognosis can be an even bigger shock. The best case scenario is a 30-day course of radiation along with chemotherapy, which can cause pain and inflammation in the lining of the mouth; dryness, which makes eating and swallowing difficult; changes in, or loss of, taste; increase in oral infections; irritation from dentures and dental appliances; problems with jaw movement; and teeth decay and breakage. Patients with more progressed cancer often have to undergo disfiguring surgery which can involve removal of a portion of the jaw.

“Every patient has different emotional reservoirs and some are remarkably stoic,” says Dr. Allan Hovan, provincial practice leader of Oral Oncology at the BCCA and clinical assistant professor of dentistry at UBC. As provincial practice leader, he is in charge of dental services at BC’s five regional cancer centres in Vancouver, Surrey, Abbotsford, Kelowna and Victoria (a sixth will be opening in Prince George soon). At the BC Cancer Agency, Hovan works alongside Williams—who leads the prevention program initiatives—at the front lines of patient care, including pre-treatment assessment, managing treatment side-effects, and prosthodontic rehabilitation, or “putting patients back together again after surgery.”

“This continuum of care is part of the mandate of the BC Cancer Agency,” says Hovan, who notes that as a not-for-profit centre, as part of patient care they are able to spend generous amounts of time answering questions, providing information and referring patients to professional counsellors, nutritionists and support groups that are available.

Hovan and Williams are spokespersons for the BCCA’s program in Oral Oncology, giving talks

to the medical community and the general public on oral cancer risk factors and prevention. Hovan notes that oral health is not a priority for many individuals or for the health care system. Dental care is not covered by provincial programs, and many individuals who have private dental insurance don’t use it. “Fifty percent of people either don’t go to the dentist or can’t afford to, so that’s where the system breaks down.”

HPV—A New Risk for Oral Cancer

Increasingly, inflammation and viruses are factors in disease. A well noted example is nasopharyngeal cancer—cancer in the uppermost region of the throat—which has been strongly linked to infection with the Epstein-Barr virus (EBV). Oral cancer is no exception. Recently diagnosed head and neck cancers have been attributed to the human papillomavirus (HPV), the same virus that causes cervical cancer.

“The total number of new cases of oral cancer diagnosed per year in BC is about 500, and conservatively 125 of these cases, or 25 percent, are now HPV-related,” says Hovan. Unlike oral cancers caused by smoking and drinking which occur on the cheeks, gums, sides of the tongue and floor of the mouth, HPV-related oral cancers tend to occur at the base of the tongue and the tonsil area. They also tend to affect younger, non-smoking, non-drinking adults—predominately males. “The demographic of the oral cancer patient is changing,” says Hovan.

Approximately 90 percent of cervical cancers are HPV-16 related and, of the oral cancers attributable to HPV, most are similarly related to HPV-16. Fortunately, HPV-related oral cancers tend to carry a better long-term prognosis than those oral cancers caused by smoking and/or drinking and respond particularly well to combined-modality therapy (radiation and chemotherapy).

But, again, early detection is the key. “As dentists, we need to continue to incorporate thorough head and neck examination as the standard for the patients in our practices,” says Hovan.

Making a Difference

The UBC and BC OCPP team has become renowned nationally and internationally for their research and outreach in the early detection of oral cancer and related care. A full issue of the *Journal of the Canadian Dental Association* was dedicated to their research, which has generated global interest. As a result, Rosin has been invited to speak to dentists and oral cancer specialists all over the world, from Mexico City and the Dominican Republic to India. “Often successful technology or procedures developed here don’t go across Canada—or anywhere else—because they are not built around communities of care,” she says. “But people are different, diseases are different, causes are different. In order to transfer research so that it has a global impact, you need to be able to retool it to be effective in new communities.”

Closer to home, UBC dental students are benefiting from the BC OCPP team’s knowledge and expertise. “We now have graduate students who are excited about the field, and this is so important because the next generation will be the champions of this work, says Williams. “It has been a real privilege to work with such an enthusiastic and dedicated group.”

“One thing that I like to tell dental students and health professionals is that they need to think scientifically, not just technically. Not ‘here is a cavity, how do I repair it?’” adds Zhang.

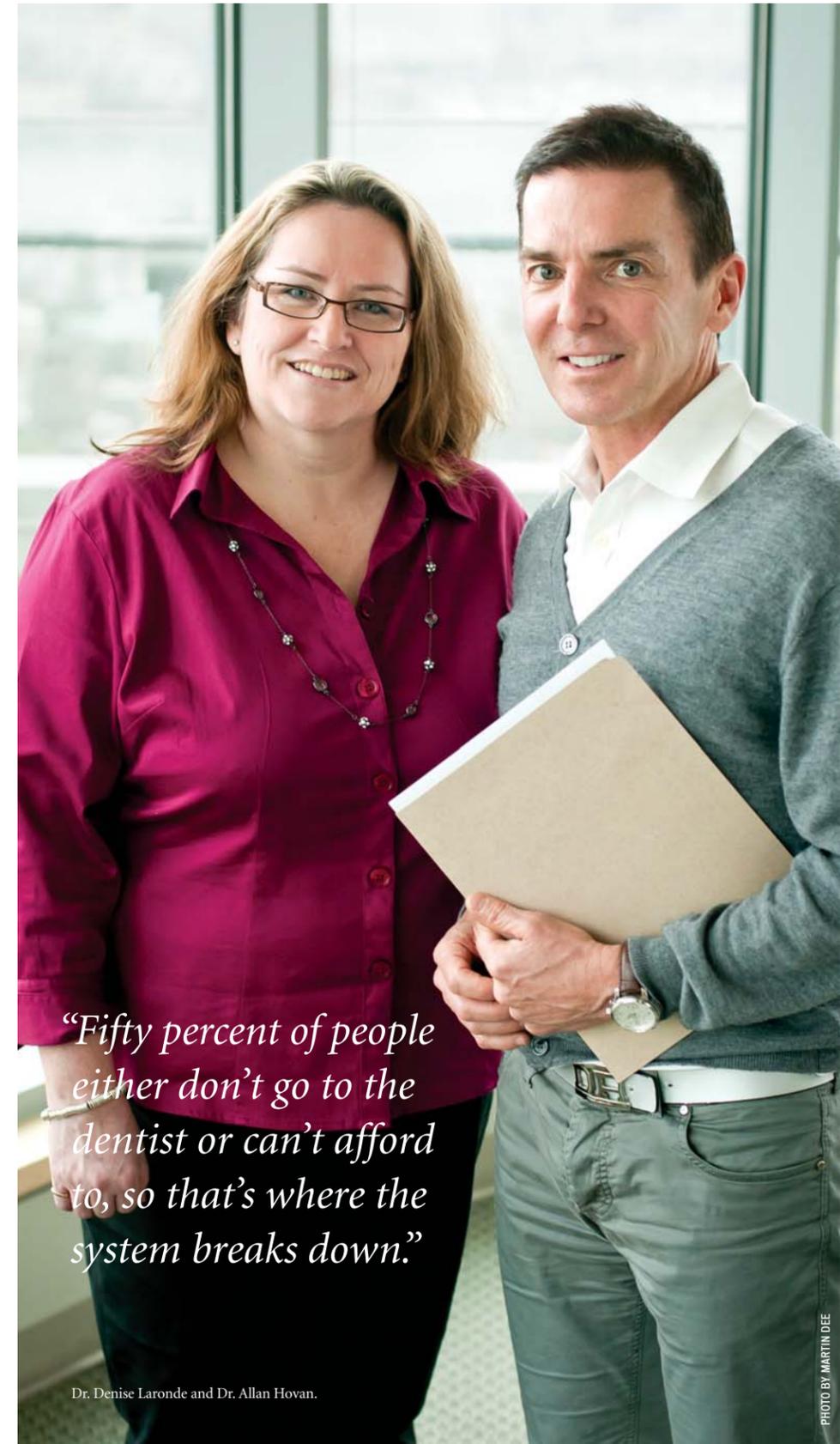
Resource Links

Guideline for the Early Detection of Oral Cancer in British Columbia 2008:

www.bccancer.bc.ca/ppi/screening/oral/default.htm

Journal of the Canadian Dental Association:

www.cda-adc.ca/jcda/vol-74/issue-3/index.html



“Fifty percent of people either don’t go to the dentist or can’t afford to, so that’s where the system breaks down.”

Dr. Denise Laronde and Dr. Allan Hovan.

PHOTO BY MARTIN DEE

GRAD STUDENTS IN ENDODONTICS TRANSLATE CLINICAL SKILLS AND CUTTING-EDGE RESEARCH INTO FRONT-LINE CARE

Community Service Cures Root Canal Blues

BY LORRAINE CHAN

If all you want for Christmas are your two front teeth, then give Santa a call. But if you're facing a complicated root canal, a dentist trained in endodontics would be a better bet. Faculty of Dentistry graduate student Houman Abtin embodies the traits and skills that anyone in knee-buckling pain would hope to find.

"I know I'm capable of saving the patient's tooth without causing discomfort," says Abtin, a dentist with 10 years of experience who is earning a master's degree in Craniofacial Science with a diploma in endodontics, the treatment of diseases of the tooth root and pulp.

Abtin says he has learned a lot from working with diverse populations, thanks to a community outreach program at Vancouver General Hospital (VGH).

"Sometimes a person needs dental care, but is also hooked up to a heart monitor or could

be receiving immune suppressant drugs for an organ transplant," says Abtin.

Despite these challenges, the rewards are immense, says Abtin, recalling how impressed he was by the regenerative power of one particular patient. One 85-year-old male patient at VGH complained of toothache in his back molar. Abtin removed the diseased tissue from the root and saw from the man's X-ray that bacteria had caused substantial bone loss around the molar root.

However, during a check-up 10 months later, Abtin found the patient had up to 10 millimetres of bone growth around the treated tooth.

"When a root canal is irrigated and bacteria are cleaned out, the bone can grow back 90 percent of the time," says Abtin, adding, "It's an amazing feeling to know that my treatment has created an environment where the body can repair itself."

The community service experience, given its breadth and diversity, is invaluable for helping students deal with the unexpected, says Dr. Jeffrey Coil, head of the graduate program and an assistant professor who teaches oral biological and medical sciences.

Coil explains that students get to refine and augment their clinical skills and also translate their cutting-edge research into front-line care. "For instance, graduate students will have studied the most effective treatments for root canal disinfection, looking at different combinations and concentrations of irrigants such as sodium hypochlorite, EDTA and chlorhexidine."

Adapted with permission from UBC Public Affairs; published in *UBC Reports*, Dec. 3, 2010.

The Endodontics Specialty Program at UBC—Contributions to Research and Service

BY TERRY WINTONYK

UBC Dentistry graduate students are involved in the cutting-edge development of novel irrigation fluids. Dr. Markus Haapasalo, chair of the Division of Endodontics and head of the Department of Oral Biological and Medical Sciences, is a leading expert in endodontic treatment and research. He recently developed an all-in-one irrigant, called Qmix, which is used for the final rinse of a root canal to eradicate bacteria that may persist in a biofilm. Additionally, it removes the smear layer. Because of its effective multi-faceted action, Qmix, developed with industry support, will soon be marketed internationally for use as a root canal irrigant.

Graduate students in the graduate specialty program in endodontics have worked alongside Drs. Markus Haapasalo, Jeffrey Coil and Ya Shen on this leading clinical research that is grounded in basic science and involves industry collaboration.

According to Coil, "It's both basic and translational research—the students' involvement at this breadth and depth of the development of novel irrigation fluids is unique for our clinical specialty graduate students. Combine this with an experience of diverse patient populations in the community and, with a solid acumen for the science, they're well prepared for applying the latest treatment modalities."

The endodontics specialty program at UBC is one of only two in Canada, and the only one in Western Canada. In this program, the study of irrigants is rounded out with investigations into bacterial communities (biofilm models), irrigation physics (fluid dynamics), and materials and tools such as new nickel-titanium rotary instruments. Graduate students are encouraged to participate in all these areas.

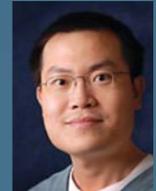
From its inception, the program has accepted referrals to endodontic treatment from BC dentists. "Graduate residents provide complex treatment management," Coil says. "Patients are assigned within days and treatment is prompt." Coil points out further benefits of treatment in the graduate program: "We have the ability to consult with other disciplines such as prosthodontics, periodontics, pediatric dentistry and orthodontics [all clinical specialty graduate programs at UBC Dentistry]. A case referred here from the community is going to receive comprehensive attention; it is possibly the best place to be."

UBC Dentistry launched its graduate endodontics specialty program in 2008. Now in its third year, the program has a full load of students in all three years, and the first graduates—Drs. Houman Abtin, Wei Qian and Neda Tabatabaei—will be completing their program this spring. These graduates will contribute to a vibrant community of endodontists in BC and internationally. Future patients and the endodontic community alike will benefit from their advanced endodontic training.

Looking to refer a case? Download referral forms at www.dentistry.ubc.ca/referral



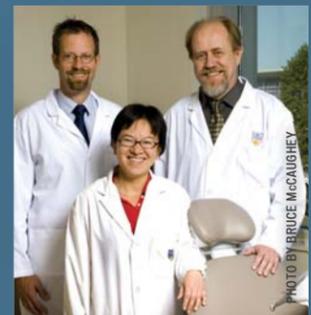
Dr. Houman Abtin



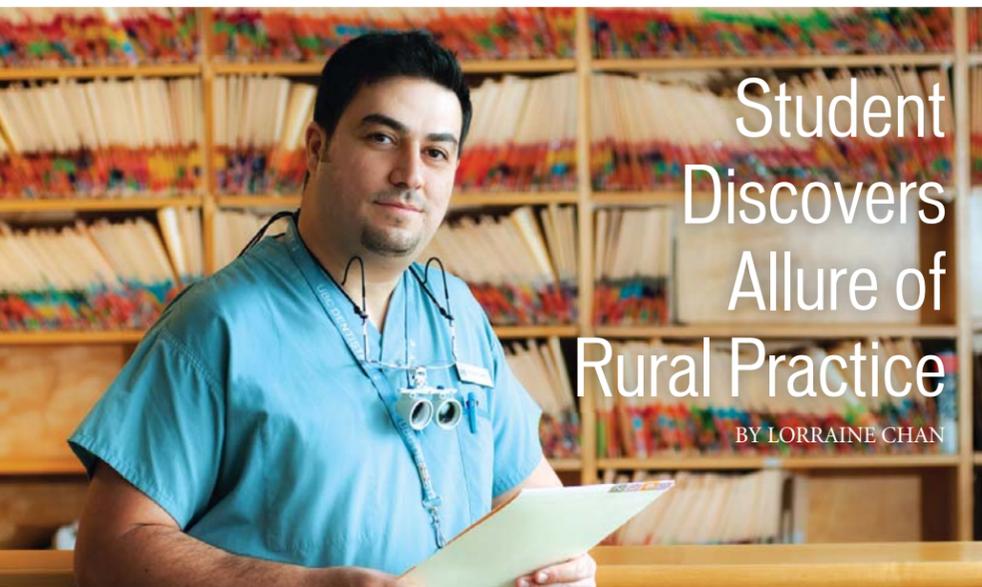
Dr. Wei Qian



Dr. Neda Tabatabaei



Dr. Jeffrey Coil (L), Dr. Ya Shen and Dr. Markus Haapasalo.



Student Discovers Allure of Rural Practice

BY LORRAINE CHAN

UBC student Marwan Hameed never pictured himself a small-town dentist until he came across a big-city practice in the heart of BC.

"I've decided after graduating in June that I want to work in a rural area," says Hameed. "From a dentistry perspective, the opportunities are amazing."

Currently in his fourth year of dentistry, Hameed hails from Baghdad and has lived most of his life in large cities, including Vancouver, Toronto and London. However, last summer opened his eyes to new possibilities.

During July 2010, Hameed took part in the Faculty of Dentistry's Summer Student Practitioner Program (SSPP), which enables students to experience the day-to-day operation and management of a dental practice.

Hameed was matched to supervisor Dr. Dan Kinkela, the sole dentist in Smithers, a picturesque town of 5,500 in northwestern BC. During his three-week placement, Hameed had an opportunity to work on fillings and scaling along with more complex procedures such as root canals, crowns and surgeries.

Kinkela's generous mentoring and well-equipped facility made a convincing case for relocation, says Hameed. "Dan's office

is one of the most advanced I've ever seen, even compared to Vancouver. And as a practitioner, Dan believes in continuing education for himself and his staff, so they're very up-to-date on new procedures."

Employing 10 staff members, Kinkela's office has six general dentistry chairs and two orthodontic chairs. Kinkela uses state-of-the-art electrodiagnostic equipment to treat disorders of the temporomandibular joint, which connects the jaw to the skull. As well, his practice offers regular clinics for the public on topics such as sleep apnea and pain control through breathing techniques.

"What I learned in those three weeks easily compares with what I would have learned in three to four years on my own," says Hameed. "Dan has vast knowledge of clinical dentistry because he does a lot of procedures that general dentists don't do since the closest specialist is four hours away in Prince George."

Kinkela also arranged for Hameed to observe work in nearby Hazelton's Wrinch Memorial Hospital, where the dental clinic serves a large Aboriginal population.

Dr. Joanne Walton, associate dean of Academic and Student Affairs, explains that the Faculty of Dentistry partnered with the BC Dental Association to focus on SSPP placements in communities beyond BC's Lower Mainland, Kelowna and Greater Victoria.

"Similar to medicine," says Walton, "there can be problems with access to oral health care in rural areas of BC. These placements enable students to experience a non-urban environment."

Established in 1982, the SSPP allows students to build upon their third-year foundation skills while providing a smoother transition from graduation into their own practice.

For participating dentists, the benefits include having a student to help deal with a patient backlog and an opportunity to "test drive" the idea of an associate, even considering whether the student is potentially a good fit for the office, says Walton.

The time is also rich for exchange, she says. "The practitioner can pick their brains about current techniques being taught at UBC, as well as share ideas and philosophies."

An SSPP participant since 2007, Kinkela says he values the students' fresh optimism and dedication. "I enjoy sharing my years of practice with someone who's eager to learn. I can feel the energy go up in the whole office when the students are here."

An extra pair of hands in the office also ends up benefitting the entire community, says Kinkela.

"I can ask the students to provide treatment for single moms and other families that are unable to afford the kind of dentistry that they need."

Reprinted with permission from UBC Public Affairs; published in *UBC Reports*, Feb. 4, 2011.

If your practice would like to participate in the Summer Student Practitioner Program, contact Alex Hemming, manager of Student Services, at 604-822-0326 or alexaug@interchange.ubc.ca

PHOTO BY MARTIN DEE

The Purpose of This Dental Hygienist's Education—To Bring Out the Best

BY TERRY WINTONYK



Zul Kanji's groundbreaking research in dental hygiene education has set the course for his career and has given the profession some research results it needs.

Zul is a dental hygienist and an educator, who teaches at Vancouver Community College (VCC) and at UBC. He has a passion for helping others advance their education, and he seeks inspiration from educators like Mohandas Ghandi, who was his grandfather's high school teacher. Zul's favourite quote from Ghandi is: "The purpose of education is to

bring out the best in you." This philosophy contributes to Zul's strong desire to build his own professional credentials. "I thought about pursuing a master's degree in education, but also knew that UBC's Faculty of Dentistry was an appropriate fit [for graduate studies] because of its pioneering reputation in dental hygiene education."

A previous bachelor's degree in Nutritional Sciences from UBC and a diploma in Dental Hygiene gave him the academic prerequisites for grad school. "When time came to develop my research question, I struggled initially," he recalls. "I was more inspired to tackle an issue related to dental hygiene education rather than one in the traditional oral health sciences. I didn't know what I truly wanted to research until my graduate supervisor, Prof. Bonnie Craig, asked me: 'What gaps exist in dental hygiene literature that irk you?'"

Instantly Zul came up with his answer: "No one has investigated how advancing one's dental hygiene education beyond a diploma impacts on the quality of client care. What irked me was the assumption that more education for dental hygienists—that is, a baccalaureate degree—would positively impact client care. This was largely unsubstantiated." Zul had the makings of his master's research: he would put the profession's educational assumptions under his microscope.

His graduate committee was cautious and aware of the risk: what if Zul found no connection between higher education for dental hygienists and quality of client care?

"It was intimidating at first," he says. "My previous science education exposed me only to quantitative methods, and the research questions that I wanted to explore could not be answered with statistics. I needed to go deep and explore the hows and the whys of the phenomenon, so a qualitative inquiry was the most appropriate approach. This was a new methodology for me."

Zul's research findings stemmed from interviews with dental hygienists across Canada who had first earned a diploma and then returned to school for their dental hygiene baccalaureate degree. The most prevalent themes included the participants reporting a higher level of critical thinking and problem solving after earning their

degree, using primary rather than anecdotal sources of research to make client recommendations, and ability to communicate disease processes to clients with increased knowledge and confidence. The evidence was clear: the dental hygiene baccalaureate degree does have a positive impact on client care.

Research findings such as these may provide impetus for the advancement of educational credentials for the dental hygiene profession. Government agencies have put forth specific criteria for any health care profession to meet if that profession desires to change or advance their educational credentials. Evidence such as Zul's findings—that additional credentials or education result in improved quality of patient care—is one such criterion.

In 2010, Zul published articles in the *Canadian Journal of Dental Hygiene* and in the *International Journal of Dental Hygiene*. His final paper presenting the bulk of his findings will be published in the *Journal of Dental Education* in the spring of 2011.

Zul credits his success to his graduate committee: "My research experiences and this outcome was a reflection of the vision that my research committee had for me from the very beginning. They set me up for success."

But to his credit, success is no stranger. In 2005 Zul was the valedictorian for the VCC School of Health Sciences when he received his diploma in Dental Hygiene, and he received the College of Dental Hygienists of BC Overall Excellence Award for academic excellence and clinical proficiency. In 2010, he received the Canadian Dental Hygienists Association Outstanding Research Award for his master's research.

And in Zul's words, conveying his biggest outcome: "I was surprised how much I have grown to value and respect research! It has changed my career and my purpose."

The doors are wide open for Zul. Along with his teaching aspirations and his new role as father come May, his future plans include ongoing research and a PhD in Educational Studies through the UBC Faculty of Education.

PHOTO BY THREE SIXTY PHOTOGRAPHY

The Chrysalis Student Lounge A Transformational Gift

Dr. Mark Kwon, a 1997 graduate of the UBC Faculty of Dentistry, together with his business partner Dr. Steven Bongard, founded the Chrysalis Dental Centres, establishing new approaches to completely restore the dentition in patients who have lost all their teeth due to pathology, trauma and other diseases, while providing optimal patient care.



Chrysalis Dental Centres has very generously supported the renovation of the student lounge in the John B. Macdonald Building (JBM). This renovation has more than doubled the space for students to spend their time in between patients and classes.

The renovation of the student lounge has been a long-term goal of the Faculty under the theme of enhancing the student experience. High costs prevented full renovations to create better student social areas—until now.

The new lounge is an outstanding multi-use space for students, featuring floor-to-ceiling storage lockers and a fully operational kitchen with four microwaves to serve the large student population and social functions. The next step in the project will deliver new, comfortable furnishings for relaxing, studying and socializing, and a glassed-in atrium to make use of the outside balcony, which is currently inaccessible due to building code requirements. Two large doors open to expand the lounge into the foyer, which will provide individual study and expanded social space—a smart idea for large student functions.

The Faculty of Dentistry greatly appreciates Chrysalis Dental Centres' vision in providing the support for renovating the student lounge—now called the Chrysalis Student

Lounge. Having an alumnus step forward and make a difference that has such a tremendous impact on our students is a great testament to the growth of alumni commitment to the success of the Faculty.

Dr. Mark Kwon: "Life is not all about receiving. It's about giving as well. I saw renovating the student lounge as a once-in-a-lifetime opportunity to be part of something significant. It's my own school, a place that raised me and made me into a dentist, which was my dream."

"My dental office is called Chrysalis, and like its namesake, is all about transformation. We transform patients' lives every day. Like my dental practice, I wanted to be part of the transformation at UBC Dentistry—and what better way than to give back to my school in the form of renovating the student lounge. I wanted to call it a 'chrysalis' lounge because it marks the new beginning of a different era."

"I strongly believe that the future of dentistry is the students, and it excites me to see their enthusiasm—especially the third- and fourth-year students. They're a different breed. They're exciting to be with, and I think they will really carry dentistry forward."

"It is an honour for me to contribute to the renovations of the lounge where students can free their minds and enjoy time with colleagues, professors and friends. I think it's a wonderful environment."

MAKE IT COUNT

UBC Dentistry has many opportunities available to support enhancing the student experience. More renovations in the John B. Macdonald Building are planned to effectively use the space for teaching, research and community service. Space for a clinical research centre and the clinical specialty graduate programs are two pressing projects.

The John B. Macdonald Building represents an opportunity to be proactive and create outstanding new facilities that will support our students, staff and faculty, who all deserve an inspiring workplace environment. To be part of this opportunity or to learn more, please contact Jane Merling at 604-822-5886 or merling@interchange.ubc.ca



UBC Dentistry's New Initiative: Adopt a Long-Term-Care Facility

UBC Dentistry has had a long relationship with the Simon K.Y. Lee Seniors Care Home and Villa Cathay Care Home, two long-term-care facilities located in Vancouver's Chinatown. With past support from the Buddhist Compassion Relief Tzu Chi Foundation, UBC has been able to provide free oral health assessments and care for residents of these facilities. The positive impact of providing dental care for residents of long-term-care facilities such as Simon K.Y. Lee and Villa Cathay cannot be overstated. The sooner dental disease and problems are detected and treated, the more discomfort and potential of life-threatening infections are minimized.

When funding support for this community program came to a close, the Faculty re-evaluated the program and assessed the link to UBC Dentistry's core values of enhancing the student experience, providing community service and optimizing research.

Dr. Chris Wyatt, program director of the Graduate Prosthodontics Program and a leader in geriatric dentistry and research, has developed a multi-level program to "adopt" these long-term-care facilities through a newly created dynamic educational model. This program will support a multi-faceted team learning environment involving the Geriatric Dentistry, DMD, Dental Hygiene and graduate programs, while having a significant impact on the quality of long-term care for more than 200 seniors at risk. This program provides truly accessible oral health care to these seniors, as well as a stable and ongoing learning and research opportunity in dental geriatrics for our students and faculty.

Funding to support this concept of community service learning is critical to its success. The Peter Young Foundation sees the value of this program in meeting needs and has generously provided the start-up funds

to launch the program. "This generous gift will support not only the clinical education of dental students, dental hygiene students, general practice residents and graduate prosthodontics residents," says Wyatt, "but will also provide much-needed dental care at no cost to frail elderly patients residing in two long-term-care homes."



CLASS OF 86 Class of 1986 Blazes a Trail

When it comes to blazing a trail, the Class of 1986 are certainly leading the way. With an impressive track record of reunion activity and donating to UBC Dentistry, they are one of the first groups to have ever formally combined a reunion celebration with fundraising for a class gift. A unique and inspiring achievement!

"We wanted to mark our 25th anniversary by creating a fundraising initiative that directly supports students on a long-term basis," says class representative and Dean's Advisory Board member Bob Coles. "This is our way of supporting the next generation

of dental professionals and showing appreciation for our own dental education at UBC. Hopefully, other reunion classes will follow suit."

Enhancing the student experience was the UBC Dentistry strategic plan theme that resonated strongly with these classmates, who are considering several project ideas where the funds raised will directly benefit students. These include establishing a legacy fund and series of bursaries, furnishing the recently renovated student lounge, and funding opportunities for students to travel abroad and volunteer with disadvantaged populations.

This latest fundraising initiative by the Class of 1986 is in addition to generously sponsoring an operatory in the Nobel Biocare Oral Health Centre a few years ago.



CLASS NOTES AND EVENTS

Share your news with classmates, faculty and friends. Look for reunion announcements and events for all alumni. Submit alumni stories and keep in touch at www.dentistry.ubc.ca/alumni

1970s

Dip DH 1971 REUNION

40th Year Reunion
Friday, March 11, 2011
After 40 years the fun has not stopped for the Dip DH 1971 class. Dinner at Goldfish Pacific Kitchen follows the Annual Alumni Reception at the Pacific Dental Conference on March 11. In May, classmates are planning to cruise between Seattle and Vancouver.

For more information, contact Frances Lawson at franceslawson@hotmail.com

DMD 1971 REUNION

40th Year Reunion
Friday, March 11, 2011
Dinner at the Royal Vancouver Yacht Club will follow the class photo session at the Annual Alumni Reception at the Pacific Dental Conference.
For more information, contact Bill Sherry at wsherry@shaw.ca



Ron Wallach
DMD 1974

Aloha from Ron Wallach and his wife, Sharing Lawrence. Ron has been practising dentistry for 16 years in Hawaii.

DMD 1976 REUNION

35th Year Reunion
Thursday - Sunday, June 16 - 19, 2011
Golf is on the agenda for the DMD 1976 reunion at Predator Ridge in Vernon, BC. Other activities include gourmet dinners in Vernon and trips to the spa.
For more information, contact Gerry Chu at chugerry@hotmail.com



Anthony Li
DMD 1979

Anthony Li (right) and his wife Grace joined media personality Fred Lee at the Four Seasons Hotel along with grads from all across the UBC campus. UBC's Alumni Association organized a Lunar Lunch on January 18, 2011, to celebrate the Year of the Rabbit.

KEEP IN TOUCH

www.dentistry.ubc.ca/alumni

1980s

Dip DH 1981 REUNION

30th Year Reunion
Friday, March 11, 2011
Classmates Andrea Hayden and Judy McIntyre are organizing a reunion following the Annual Alumni Reception on March 11, 2011. Dinner at a restaurant to follow.
For more information, contact Andrea at abcmhayden@shaw.ca



Colonel James C. Taylor (JT)
DMD 1984

Colonel James C. Taylor (a.k.a. "JT") has been appointed by Her Majesty the Queen as Honorary Dental Surgeon to the Queen. He has also been appointed by the Canadian Forces (CF) Surgeon General as the director of Dental Services. In this role, he serves as CF Dental Services' clinical, policy and technical authority to the Minister of National Defence in matters of oral health. "Simply put, I'm responsible for the stewardship of military dentistry in Canada, ensuring that our soldiers, sailors and air personnel are ready to deploy, from an oral health perspective, on missions domestically, continentally and overseas; and ensuring that our Canadian Forces Dental Services personnel are ready to deploy alongside them to meet their oral health care needs in a variety of challenging environments," he says.

Colonel Taylor undertook his postgraduate training in Prosthodontics at Walter Reed Army Medical Center in Washington, DC, and is a past president of the Association of Prosthodontists of Canada.

DMD 1986 REUNION

25th Year Reunion
Friday, March 11, 2011
Reunion organizers Bob Coles, Greg Chang, Richard Busse and Chris Wyatt are planning a 25th-year class reunion at Goldfish Pacific Kitchen following the Annual Alumni Reception at the Pacific Dental Conference.
For more information on the reunion, e-mail bobcoles@telus.net

1990s

DMD 1991 REUNION

20th Year Reunion
Friday, March 11, 2011
Sigrid Coil and Sandra Finch are planning a dinner at Oru Restaurant in the Fairmont Pacific Rim Hotel following the Annual Alumni Reception.
For information, e-mail scoil@telus.net or thebellfinches@telus.net



Anita Gartner
DMD 1993

Anita Gartner has opened her own office, Tot2Teen Dental, in Yaletown, Vancouver. She is also joining UBC Dentistry as a clinical assistant professor for the graduate pediatric dentistry program.

DMD 1996 REUNION

15th Year Reunion
Friday, March 11, 2011
Diane Bird and Stacie Ross are organizing a reunion reception following their class photo at the Annual Alumni Reception on March 11, 2011. They have booked the Coal Harbour Suite of the Pan Pacific Hotel for a night of fun.
For more information, e-mail drdbird@shawbiz.ca or drsross@telus.net

2000s

DMD 2001 REUNION

10th Year Reunion
Friday, March 11, 2011
Suzy Hupfau has taken on the leadership role to plan a 10-year reunion for her class. They will be dining at the hip Gastown restaurant Boneta, at its new Water Street location.
For information on this reunion, e-mail suzyhk@yahoo.com



Richard Chau
DMD 2002

Richard Chau recently opened his new oral and maxillofacial surgery office in Richmond, BC.



Captain
Ryan Sinotte
DMD 2007

Captain Ryan Sinotte DMD 2007 (pictured third on the left) was deployed to Afghanistan from January until March 2010. During his tour, he provided patient care at the Role 3 Multinational Medical Unit, a field hospital located at Kandahar Airfield. His patients were coalition soldiers from a variety of nations, as well as civilian contractors from all over the world.

Captain Sinotte also participated in the US-led mentorship of Afghani military health care providers at the Kandahar Regional Military Hospital. This was a novel program, where "Western" dental techniques were introduced to the Afghan military dentists. Although the Afghani dentists had studied at the dental school in Kabul for seven years, their training was largely theoretical

and bench-top/lab work; no patients were seen while the dentists were in school. They only "learned" how to treat patients after graduation, once they entered their practice. The techniques that they learned were based heavily on Russian dentistry, in part due to the influence from the Soviet occupation of the country in the 1980s. Although at times challenging, Captain Sinotte found the experience to be very rewarding. "It made me realize that people are people the world over, and everyone has a need for dental care."

Captain Ryan Sinotte was awarded a US Army Commendation for his mentorship work with the Afghani dentists. He was also awarded the Canadian Forces Campaign Star for his participation in the Afghanistan mission.



Kirk Sutton
DMD 2007

The Sutton family is pleased to introduce the newest addition: Sienna Jean, born January 6, 2011, in Toronto, Ontario, to proud parents Kirk and Allison Sutton. Grandpa Garry Sutton DMD 1972 is happy too. Perhaps a third generation dentist to come?



Aidin Ghotbi
DMD 2008
Sanaz Najan
DMD 2011 candidate

Aidin Ghotbi is pleased to announce his engagement to graduating student Sanaz Najan.

PLANNING A REUNION?

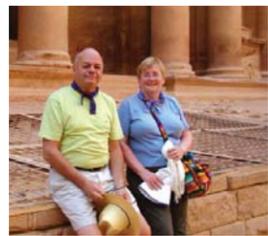
For ideas, contact Jenn Parsons, manager of Alumni & Community Affairs, at 604-822-6751 or dentalum@interchange.ubc.ca



Alvin Lo
DMD 2010

A group of us from the Class of 2010 flew in from across Canada to meet in Whistler this past January, as we did all four years as students. The group included: Alvin Lo (now living in Ontario); Mike Sander, Ryan Assaly and Hussien Nsair (Alberta); Emery Bland and Mike O'Brien (the Sunshine Coast); Greg Marasa (Surrey); Mehr Poulad and Mike Webster (Fort St. John); and Jan Kantoch (Vancouver). Our plan is to do this trip every year until we can't ski or snowboard anymore, and then do spa days—although, admittedly, we have already been doing spa days for the last two years.

In Memoriam



Jim Stich
DMD 1975

It is with profound sadness that we announce the passing of Dr. James Michael Stich on Thursday, October 21, 2010, in Ajloun, Jordan, at the age of 60. Jim had been on vacation with his friends and family when he suffered heart failure. Jim was well respected and will be greatly missed by his many colleagues in the dental profession. He loved his varied and successful career and was fortunate to have completed many travel adventures over the past few years. Jim will be lovingly remembered by his wife Phyllis, his father, George, his sister Maureen, her husband Stuart and their two sons Gavin and Glen, Phyllis's sister Louise, her husband Roger and their children Carolyn and Dennis and their families. Michael Fung DMD 1975 has set up a memorial fund to remember Jim. To make a donation, please contact Nik Williams-Walsh at nww@interchange.ubc.ca

Almost Alumni



Caroline Cannon
DMD 2011
candidate

Daniel Nosyk
DMD 2011
candidate

Daniel and Caroline are pleased to announce their engagement. Daniel popped the question on a recent trip to Seattle, Washington, at the beginning of November. There is a lot to look forward to after dental school for these two! Congratulations.



Kristina Pahuta
DMD 2011
candidate

Danae Brownrigg
DMD 2013
candidate

Danae and Kristina are this year's DMD student-alumni representatives for the UBC Dental Undergraduate Society. They are currently working on organizing an event for DMD students and young alumni at the upcoming Pacific Dental Conference on Wednesday, March 9, 2011. If you are a DMD graduate of the last five years, please join third- and fourth-year students for an informal night at Library Square starting at 7 p.m. Also, they are working with Nick Seddon DMD 2006 to create an online discussion forum between alumni and students. They are excited about these upcoming projects and look forward to seeing many of you at their future events.

For information on the March 9 event, contact danaebrownrigg@gmail.com or kristina.pahuta@gmail.com

SHARE

Send an alumni story or update for "Class Notes" to dentalum@interchange.ubc.ca



Atyaf Saleh
DMD 2012
candidate

Under the name "The Dental Flossers," Dental Hygiene students joined Atyaf's team to paddle in the UBC Day of the Longboat, a voyageur canoe race held in October. She comments: "We would do it again in a heartbeat!"



Sayena Faraji BDS
2013 candidate

Julie Kwan BDS
2013 candidate

Lillian Mendez BDS
2013 candidate

Kira Burvill BDS
2014 candidate

Posing for a "family portrait" wearing sweaters that Bill Cosby would be proud of, these students are enjoying the inaugural Dental Hygiene bzzr garden. The Dental Hygiene and DMD students enjoyed socializing together while raising funds for the UBC Dental Undergraduate Society.



Jessica Church
DMD 2014
candidate

Jessica started vaulting (an equestrian sport) three years ago in Victoria, BC. Currently, she is the BC (Zone 5) provincial champion. She is also on a canter team, in the individual category, that is aiming to compete at the next World Equestrian Games in 2014 in Cannes, France. Jessica became a certified equestrian coach in January 2010 and trains three days a week in Chilliwack and Washington State. This picture shows one of Jessica's gymnastics moves at the Saanich Fall Fair in September 2010 during a Cirque du Soleil-themed demonstration.



Mathew Choi
DMD 2014
candidate

In July 2010, a team comprised of eight UBC students (six from Medicine, myself from Dentistry and one from Nursing) travelled to two rural communities in Honduras (Santiago and San Isidro) for three weeks. We worked with a Honduran NGO called PRODIM to provide health education to the local women and children. As the dental student of the group, I was responsible for leading the oral health care education component of the project. In short, I held four oral health care lessons at the school for grades one to six, where I taught them about the basics of tooth anatomy, the sequence of events that lead to cavities, and proper oral health care practices. I also covered personal hygiene practices such as proper hand washing. In addition to education at school, an oral health care workshop was also held for the mothers of the community, focusing on the causes and prevention of baby caries. Baby caries are caused by prolonged exposure to sugar—from the practice of feeding babies with a bottle, for example. (This had been noted during visits from past team members.)



While we were there, our group participated in a municipal health fair, where I was able to present an oral health poster to visitors from neighbouring communities. Aside from education, I was able to work with two local Honduran dentists to provide fluoride varnish treatments to 90 children in grades five and six. We were also able to provide all the schoolchildren in the two communities (about 360 total) with toothbrushes and toothpaste. Aside from the dental component of the project, I assisted my team with the other components of the UBC Global Health Initiative (GHI) Honduras Project, which included men's, women's/reproductive, maternal and neonatal, sexual and respiratory health, as well as family planning.

Recent Events



Prince George
and District
Dental Society
Barbecue

Lydia Naccarato DMD 1985 and her husband Dr. Jannie Burg hosted the Prince George and District Dental Society in their backyard for a pig roast on September 11, 2010. Dean of UBC Dentistry, Dr. Charles Shuler, attended the event after speaking at the society meeting earlier that day. It was a fabulous party and an incredibly delicious feast. The next pig roast is September 10, 2011.



Pastry-Making Course for Alumni
and Friends

Students, alumni and even dean Charles Shuler enjoyed making strudel at the fall session of alumni pastry-making with Chef Marco of the Vancouver Pastry Training Centre. In this photo, the dean assists Dentistry student Phil Hou DMD 2014 (candidate).

UBC Faculty of Dentistry & BC Dental Association Dental Mentorship Program Sponsored by CDSPI

Mentors and Students Meet and Greet

Hank Klein DMD 1978, chair of the mentorship program: It was a great evening [October 4, 2010], with great food and good feelings as mentors and mentees in the Dental Mentorship Program gathered at Sage Bistro to kick off this year's mentorship program, sponsored by UBC, CDSPI and the BCDA. The Dental Mentorship Program, now in its second year, has been a great success to date, providing good advice for 25 fourth-year students and a helping hand as the new grads transition from school to practice.



8th Annual Alumni & Friends
Golf Tournament

Mike O'Brien DMD 2010, Andrew Grant, Dr. Todd Moore MSc 2001 and Dr. Ken Chow walked away with the top prize at this year's annual Alumni & Friends Annual Golf Tournament at Morgan Creek, Surrey. Each year the tournament sells out well before the day, so anyone interested in golfing in the 2011 tournament, Sunday, September 18, 2011, should watch the alumni home page (www.dentistry.ubc.ca/alumni) for registration information or e-mail dentalum@interchange.ubc.ca

Thank You to Our Alumni Partners



Thank You to Our Hole Sponsors



Thank You to Our Lunch Sponsor





Katrina Saina
DMD 2011
candidate

Darrell Ross
DMD 2012
candidate

UBC Dentistry Family Day

SuperChefs of the Universe entertained aspiring young chefs at Family Day this past September 25. The tooth fairy, Katrina, looked the part in her fabulous fit-for-a-princess dress. DMD and Dental Hygiene students explained clinic techniques to children of all ages. With over 300 people in attendance, alumni, students, faculty and friends felt a part of the Dentistry family.



Matt Francisco
DMD 2013
candidate

Community Volunteer Clinical Program—Abbotsford

The Abbotsford Food Bank Dental Clinic has been another great opportunity for UBC dental students to volunteer and provide free dental care to patients in need. The students are very appreciative of the local dentists who volunteer their time to help make these days possible and to further their educational experience.



3rd Annual Battle of the Bands: Faculty/Alumni vs. Students

Three bands battled it out on January 14, 2011, in this third annual Battle of the Bands. A record number of guests filled the ballroom of the Thea Koerner Graduate Student Centre. Thank you to Pat Madaisky & Co., Scotiabank and Long & McQuade Musical Instruments for sponsoring the event.

Events for Students and Alumni



**ANNUAL ALUMNI RECEPTION
PACIFIC DENTAL CONFERENCE 2011**

Friday, March 11, 2011 · 6 - 8 pm

Second Floor Lobby, Vancouver Convention and Exhibition Centre

Commemorative anniversary class photos to be taken of: 1971, 1976, 1981, 1986, 1991, 1996, 2001, 2006 and 2010.

No RSVP is necessary, but if you would like to organize a class reunion to follow the reception, contact Jenn Parsons at dentalum@interchange.ubc.ca

SUMMER STUDENT PRACTITIONER PROGRAM MEET & GREET

Friday, March 11, 2011 · 7:30 - 8:30 am

All BC dentists are invited to a networking breakfast in the Coal Harbour Suite of the Pan Pacific Hotel to meet third-year dental students during the Pacific Dental Conference. Also, information on the Summer Student Practitioner Program (SSPP) will be shared. To RSVP e-mail, Alex Hemming, manager of Student Services, at alexaug@interchange.ubc.ca

WELCOME TO PRACTICE EVENT

Thursday, April 28, 2011 · 6 - 8 pm

Mentors from the UBC & BCDA Dental Mentorship Program are invited to attend a reception at UBC Sage Bistro for the graduating class of 2011, sponsored by the BCDA and CDSPI. Mentors, please contact Alex Hemming, manager of Student Services, at 604-822-0326 or alexaug@interchange.ubc.ca



UBC ALUMNI WEEKEND

Saturday, May 28, 2011

UBC Point Grey Campus

Mark May 28, 2011, in your calendar for another outstanding Alumni Weekend experience at UBC.



9TH ANNUAL ALUMNI & FRIENDS GOLF TOURNAMENT

Sunday, September 18, 2011 · 1 pm (shotgun start)

Save this date for the golf tournament. This event sells out fast, so to reserve your foursome today, e-mail dentalum@interchange.ubc.ca



UBC DENTISTRY FAMILY DAY

Saturday, September 24, 2011 · 2 - 5 pm

Nobel Biocare Oral Health Centre, UBC Point Grey Campus

All DMD and Dental Hygiene alumni, students, staff, faculty and their families are invited to an Open House. Join the dean and our students for a tour of the clinic. Bring your children and enjoy activities planned by the Tooth Fairy and her pixies.

For more information, contact Alison Kovacs at akovacs@interchange.ubc.ca or Jenn Parsons at dentalum@interchange.ubc.ca

VISIT THE PHOTO GALLERY

View photos of past events at www.dentistry.ubc.ca/alumni

More Events for Alumni



A TASTE OF AN EXECUTIVE MBA FOR DENTAL ALUMNI

Saturday, May 7, 2011 · 10:30 am - 3 pm

Join us for a taste of the new Executive MBA in Healthcare delivered by the UBC's Sauder School of Business. This event, specially organized for UBC Faculty of Dentistry Alumni, will feature two presentations by Sauder professors on current business topics relevant to running a dental practice. A networking lunch is included. Cost is \$120.

Register early to reserve your seat. For more information, visit www.ubcexeced.com/emba or contact 604-822-8403 or emba@sauder.ubc.ca



ALUMNI CULINARY ADVENTURE IN FRANCE

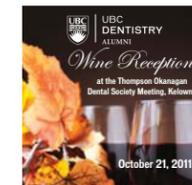
June 22 - July 3, 2011

Learn to cook this summer in the Loire Valley, France, at the Walnut Grove Cookery (www.walnutgrovecookery.com). For more information on this alumni travel adventure, contact Jane from North South Travel at 1-800-665-1882 or jane@nstravel.bc.ca



UBC DENTISTRY GETAWAY CONTEST

Enter to connect with UBC Dentistry and win a WestJet trip for two, compliments of North South Travel! All alumni and other oral health professionals are invited to enter. Simply go to www.dentistry.ubc.ca/alumni and click on the contest details.



ALUMNI WINE RECEPTION AT TODS MEETING, KELOWNA

Friday, October 21, 2011 · 5:30 - 7:30 pm

Chilcotin Room, Delta Grand Okanagan Resort and Conference Centre

Join Dr. Charles Shuler, dean of UBC Dentistry, and fellow Okanagan alumni for a glass of wine, hors d'oeuvres, cheese and conversation following the 2011 Thompson Okanagan Dental Society (TODS) Annual Dental Meeting. Conference registration is not required to attend the reception. For conference registration, go to www.todsmeeting.com. For information about the reception, e-mail dentalum@interchange.ubc.ca

FOLLOW US ON TWITTER

Follow Alumni & Community Affairs @dentalum_at_ubc www.twitter.com/dentalum_at_ubc



UBC ALUMNI ASSOCIATION WINE ORDERS

The UBC Alumni Association has partnered with Bounty Cellars in Kelowna to create alumni branded wine. To order, go to www.alumni.ubc.ca/rewards/wine.php and follow the ordering information.

MENTORSHIP PROGRAMS

If you are a dentist or dental hygiene professional and would like to donate a few hours to mentor a DMD or Dental Hygiene student, contact Alex Hemming at alexaug@interchange.ubc.ca

Stay in Touch

The alumni relations department at UBC Dentistry can help you stay connected with your fellow graduates, plan and promote reunions, and keep you informed of upcoming educational opportunities. To learn more, contact Jenn Parsons, manager of Alumni & Community Affairs, at 604-822-6751 or dentalum@interchange.ubc.ca

Stay connected to more than 1,900 alumni. Share your news, thoughts or comments. www.dentistry.ubc.ca/alumni

ALUMNI PARTNERS



Thank you to all our volunteers and industry supporters. **3RD ANNUAL BATTLE OF THE BANDS: FACULTY/ALUMNI VS. STUDENTS** · Lesley Branton · Angela Chai DMD 2012 · Nelson Chen DMD 2012 · Derek Decloux DMD 2011 · Yingying Dong DMD 2012 · Amro Foda DMD 2012 · Travis Gibson DMD 2012 · Dr. Duncan Higgins · Victoria Ho DMD 2011 · Michael Magnusson DMD 2011 · Scott Martyna DMD 2012 · Bill McDonald DMD 1977 · Nicholas Piemontesi DMD 2012 · Dr. William Rosebush · Dr. Larry Rossoff (faculty) · Peter Ruoho DMD 2012 · Jorell Valdes DMD 2012 · Mark Vasak · Evan Wiens DMD 2012 **8TH ANNUAL ALUMNI & FRIENDS GOLF TOURNAMENT** · Kaitlin Enns DMD 2013 · Amro Foda DMD 2012 · Kathryn Hunter DMD 2012 · Scott Kollen DMD 2013 · Laura Leitch · Caitlin Meredith DMD 2013 · Melissa Milligan DMD 2012 · Peter Ruoho DMD 2012 · Michelle Watroba DMD 2012 · Whitney Weisshaar DMD 2013 · Diana Yeung BDS Sc 2012 **ALUMNI REUNION LEADERS** · Diane Bird DMD 1996 · Don Bland DMD 1971 · Richard Busse DMD 1986 · Greg Chang DMD 1986 · Gerry Chu DMD 1976 · Sigrid Coil DMD 1991 · Bob Coles DMD 1986 · Kerstin Conn DMD 1981 · Brenda Currie Dip DH 1976 BDS Sc 2004 MSc 2007 · Sandra Finch DMD 1991 · Suzy Hupfau DMD 2001 · Frances Lawson Dip DH 1971 · Stacie Ross DMD 1996 · Nick Seddon DMD 2006 · Bill Sherry DMD 1971 · Chris Wyatt DMD 1986 (faculty) · Christine Wyatt Dip DH 1986 **BC DENTAL COMPONENT SOCIETY VOLUNTEERS** · Dr. Gregory Ames · Robert Myers DMD 1998 **COMMUNITY VOLUNTEER CLINICAL PROGRAM-ABBOTSFORD** · Mohamad Al-Janabi DMD 2012 · Christopher Barlow DMD 1989 · Stephanie Cheng DMD 2011 · Heather Cooke DMD 2013 · Dustin George DMD 2011 · Patrick Kanda DMD 2012 · Nadine Kandola DMD 2014 · Shahab Keshmiri DMD 2012 · Arash Maskan DMD 2011 · Sumer Mavi DMD 2011 · Michael Nicholls DMD 1985 · Kristina Pahuta DMD 2011 · Betty Pan DMD 2011 · Anzhalka Rumiantseva DMD 2012 · Brandon Scott DMD 2011 · Sharon Shao DMD 2014 · Kumudu Suriya DMD 2012 · Hanah Tsao DMD 2011 · Vivian Yip DMD 2012 **COMMUNITY VOLUNTEER CLINICAL PROGRAM-DOUGLAS COLLEGE** · Emery Bland DMD 2010 · Jay Chan DMD 2014 · Angela Chiu DMD 2011 · Vivian Chow DMD 2011 · Ersilia Coccaro DMD 2012 · Rosalyn Fung DMD 2012 · Sarah Garbelya DMD 2012 · Victoria Ho DMD 2011 · Hap Kler DMD 1994 · Ian Leitch DMD 1983 · Scott Martyna DMD 2012 · Deb McCloy Dip DH 1984 BDS Sc 1995 MSc 2004 · Caitlin Meredith DMD 2013 · Brandon Scott DMD 2011 · Chris Shon DMD 2011 · Sinthuah Vaithilingham DMD 2014 · Alex Wong DMD 2013 · Candace Woodman DMD 2007 · Tim Yan DMD 1989 **COMMUNITY VOLUNTEER CLINICAL PROGRAM-STUDENT LEADERS** · Tony Bae DMD 2013 · Steven Barkwell DMD 2014 · Danae Brownrigg DMD 2013 · Adam Byam DMD 2012 · Amanda Casciani DMD 2011 · Eugene Chien BDS Sc 2011 · Stephanie Cheng DMD 2011 · Susan Choi DMD 2013 · Matthew Choi DMD 2013 · Cheryl Colombe DMD 2011 · Matthew Francisco DMD 2013 · Joshua Garcha DMD 2012 · John Guenther DMD 2013 · Graham Macdonald DMD 2014 · Scott Martyna DMD 2012 · Lachlan McLean DMD 2013 · Melissa Milligan DMD 2012 · Peter Park DMD 2011 · Shiny Sachdeva DMD 2014 · Leila Shahbazi DMD 2012 · Sharon Shao DMD 2014 · Michael Stearns DMD 2014 · Nicole Vicenzino DMD 2012 · Evan Wiens DMD 2012 · Vivian Yip DMD 2012 **COMMUNITY VOLUNTEER CLINICAL PROGRAM-VANCOUVER** · Sunpreet Bains-Dahia DMD 2013 · Amy Bellamy DMD 2011 · Emery Bland DMD 2010 · Laura Bowman DMD 2013 · Adam Byam DMD 2012 · Stefan Caney DMD 2013 · Alex Chen DMD 2011 · Joy Chen DMD 2014 · Stephanie Cheng DMD 2011 · Matthew Choi DMD 2013 · Lauren Cindrich DMD 2014 · Marwan Dawod DMD 2012 · Derek Decloux DMD 2011 · Manu Dua DMD 2012 · Kaitie Enns DMD 2013 · Lindsay Flumerfelt DMD 2014 · Amro Foda DMD 2012 · Flore-Anne Foellmi DMD 2013 · Travis Gibson DMD 2012 · Graham Gabowski DMD 2008 · John Guenther DMD 2013 · Melechin Hasan DMD 2012 · David Hemerling DMD 1993 · Jonathan Hung DMD 2012 · Heather Jones DMD 2013 · Aleem Kara DMD 2014 · Oxana Korj DMD 2011 · Andrew Lee DMD 2014 · Ann Lu DMD 2014 · Charis Luk DMD 2013 · Graham Macdonald DMD 2014 · Mike Magnusson DMD 2011 · Aleesha Manji DMD 2012 · Scott Martyna DMD 2012 · Christopher Mills DMD 2011 · Sanaz Najian DMD 2011 · Aleem Noormohamed DMD 2014 · Betty Pan DMD 2011 · Paul Pang DMD 2011 · Peter Park DMD 2011 · Nicholas Piemontesi DMD 2012 · Neda Rajablou DMD 2012 · Adrienne Robb DMD 2012 · Wendy Rondeau DMD 1979 · Darell Ross DMD 2012 · Anzhalka Rumiantseva DMD 2012 · Katrina Saina DMD 2011 · Atyaf Saleh DMD 2012 · Brad Scheideman DMD 2011 · Harlene Sekhon DMD 2014 · Leila Shahbazi DMD 2012 · Fadi Soliman DMD 2012 · Mike Stearns DMD 2014 · Ehsan Taheri DMD 2011 · Hanah Tsao DMD 2011 · Nicole Vicenzino DMD 2012 · Akash Villing DMD 2013 · April Wang DMD 2011 · Yili Wang DMD 2012 ·

THANK YOU

Emma Wong DMD 2012 · Tim Yan DMD 1989 **DEAN'S ADVISORY BOARD** · Richard Busse DMD 1986 · Dr. Ken Chow · Susan Chow DMD 1972 · Bob Coles DMD 1986 · Brenda Currie Dip DH 1976 BDS Sc 2004 MSc 2007 · Mr. Craig Dewar · Ms. Marilynne Fine · Hank Klein DMD 1978 · Oxana Korj DMD 2011 · Mark Kwon DMD 1997 · Mrs. Sophia Leung CM · Dr. Jin Li-Jian · Mr. Tuomas Lokki · Mr. Hyo Maier · Mr. David Poole · Mr. Kishore Pranjivan · Tom Roozendaal DMD 2001 · Nick Seddon DMD 2006 · Chris Shon DMD 2011 · Dr. Chuck Slonecker · Ms. Margit Strobl BDS Sc 2008 · Mr. Ron Suh · Dr. Tim Tam · Ash Varma DMD 1983 · Dr. Bill Wong · Benjamin Yeung DMD 1983 · Ron Zokol DMD 1974 **DEAN'S STUDENT STUDY CLUB** · David Johnston DMD 1979 · Mark Kwon DMD 1997 · Chris Shon DMD 2011 · Glenn van As DMD 1987 **MIDWINTER CLINIC-VANCOUVER DISTRICT DENTAL SOCIETY** · Dr. Zohreh Ansari · Dr. Robert Rosenstock · Dr. Larry Rossoff (faculty) · Dr. Lance Rucker (faculty) · Katrina Saina DMD 2011 **ORIENTATION WEEK** · Felix Wu DMD 2010 **SOUTHEAST ASIA COMMUNITY OUTREACH** · Emery Bland DMD 2010 · Dr. Fahad Cadili · Dr. Debbie Fonseca · Dr. Bahram Rashti **SUMMER STUDENT PRACTITIONER PROGRAM HOST DENTISTS** · Dr. P. Cabel · Alan Chan DMD 2003 · Ray Chow DMD 1993 · David Ciriani DMD 1987 · Sophia Dahia DMD 2005 · Dr. Vincent Drouin · Laurance Flagg Dip DH 1978 DMD 1988 · Dr. James Jung · Dr. Derek Kim · Dr. Dan Kinkela · Kelly Mandeville DMD 2007 · Dr. Sylvain Marino · Dr. Kevin Smith · Richard Tabata DMD 1992 · Dr. Sohail Venus · Dr. Cheng Lun Wang · Kenneth Wu DMD 1979 **TOOTH TROLLEY AT VGH** · Dr. Demetrios Karastathis · Dr. Isaac Tam · Phoebe Tsang DMD 2002 **UBC DENTISTRY FAMILY DAY** · Sunpreet Bains-Dahia DMD 2013 · Danae Brownrigg DMD 2013 · Dr. Bill Brymer (faculty) · Angela Chai DMD 2012 · Jay Chan DMD 2014 · Greg Chang DMD 1986 · Ersilia Coccaro DMD 2012 · Ben Courtenay · Derek Decloux DMD 2011 · Yingying Dong DMD 2012 · Manu Dua DMD 2012 · Marchel Eang · Alicia French · Joshua Garcha DMD 2012 · Cameron Garrett DMD 2012 · Jonathan Hung DMD 2012 · Kathryn Hunter DMD 2012 · Lauren Joe · Dominique Leblanc · Melissa Milligan DMD 2012 · Nasrin Omar-Marous · Kristina Pahuta DMD 2011 · Chandni Parekh DMD 2012 · Nicholas Piemontesi DMD 2012 · Peter Ruoho DMD 2012 · Katrina Saina DMD 2011 · Atyaf Saleh DMD 2012 · Melineh Salmasi DMD 2012 · Leila Shahbazi DMD 2012 · Christopher Shon DMD 2011 · Quinn Spicker · Kumudu Suriya DMD 2012 · Sonia Tulusso DMD 1996 · Jorell Valdes DMD 2012 · Nicole Vicenzino DMD 2012 · Evan Wiens DMD 2012 · Diana Yeung BDS Sc 2012 · Vivian Yip DMD 2012 · Hui Zhang DMD 2012 **UBC FACULTY OF DENTISTRY & BC DENTAL ASSOCIATION DENTAL MENTORSHIP PROGRAM SPONSORED BY CDSPI** · Sandip Bhatia DMD 2001 · Mary-Louise Campbell DMD 1985 · Dr. Tom Cheevers · Dr. Jeffrey Davis · Brent Hehn DMD 1996 · Patricia Hunter DMD 1983 · Dr. Christopher Kan · Andrew Kay DMD 1981 · Horst Klein DMD 1978 · Yu Li DMD 2001 · Sandy Mcfarlane DMD 1982 · Dr. Ali Mehio · Suzanne Philip DMD 1986 · Dr. Kambiz Rakhshkhorshid · Bill Riddell DMD 1987 · Tony Semren DMD 2006 · Dr. Andrew Shearon · Dr. Bob Simms · John St. Germain DMD 1973 · Garry Sutton DMD 1972 · Dr. Francisca Valdes · Dr. Bruce Ward · David Waterman DMD 1979 · Walter Woo DMD 1974 · Dr. Jim Yeganegi · *Those listed with DMD years from 2011 through 2014 following their name are candidates for graduation in the specified year. UBC Dentistry is thankful to all who volunteered their time. We apologize if your name or organization was missed.*

CONTINUING DENTAL EDUCATION 2011 - 2012

APRIL 2011

2 (SATURDAY)
Digital Radiography: Want to Go Digital?
Don't Know Where to Start?
Ms. Susan Schmitz, Ms. Neala Welburn

7 (THURSDAY)

Orthodontic Treatment Planning:
Optimizing the Smile and Facial Aesthetics
Dr. Sara Shamloo and Dr. Linda Taylor

9 (SATURDAY)

Functional Anterior Aesthetics
Dr. Ed Lowe

20 (WEDNESDAY EVENING)

Traumatic Injuries to the Primary Dentition
Dr. Lisa Coveney

APRIL - MAY 2011

APRIL 29 - MAY 1 (FRIDAY - SUNDAY)
Inhalation and Oral Sedation in Dentistry
Dr. David Donaldson, Dr. Mark Donaldson
and Dr. Fred Quarnstrom

MAY 2011

13 - 15 (FRIDAY - SUNDAY)
Advanced Hard and Soft Tissue Grafting -
A Three-Day Cadaver Course
Dr. Hassan Moghadam

JUNE 2011

20 - 24 (MONDAY - FRIDAY)
Cast Gold Restoration
Dr. Margaret A. Webb

NOVEMBER 2011

19 (SATURDAY)
Pharmacology for the General Practitioner
Dr. Mark Donaldson

This calendar is subject to change.

Visit www.dentistry.ubc.ca/cde for updates to fall 2011 CDE course offerings.

FOR REGISTERED DENTAL HYGIENISTS AND CERTIFIED DENTAL ASSISTANTS

MAY - JUNE 2011

Orthodontic Module for
Certified Dental Assistants and
Registered Dental Hygienists

MAY 25 - 27 (WEDNESDAY - FRIDAY)
Lecture Sessions

MAY 28 - JUNE 1 (SATURDAY - WEDNESDAY)
Clinical Session A

JUNE 4 - 8 (SATURDAY - WEDNESDAY)
Clinical Session B

OCTOBER 2011

Local Anaesthesia for
Registered Dental Hygienists

OCTOBER 1 - 2 (SATURDAY - SUNDAY)
Lecture and clinical sessions

OCTOBER 29 - 30 (SATURDAY - SUNDAY)
Written and clinical examinations

CLINICAL PARTICIPATION COURSES 2011 - 2012 (Limited Enrolment)

Cutting Edge Periodontal Surgery for the
General Practitioner
Dr. Jim Grisdale
Tuesday evening sessions
Saturday sessions
October 2011 - May 2012

Advanced Orthodontics for the General Practitioner
Dr. Clement Lear
Thursdays, Fridays, Saturdays
(morning and afternoon sessions)
September 2011 - August 2012

Basic Orthodontics for the General Practitioner
Dr. Paul Witt
Friday morning sessions
September 2011 - June 2012

Advanced Prosthodontics for the General Practitioner
Dr. Chris Wyatt
Tuesday evening sessions
October 2011 - May 2012

Periodontics and Implants for the General Practitioner
Dr. Tassos Irinakis
Wednesday evening sessions
October 2011 - May 2012

Periodontic and Implant Study Club
Dr. Tassos Irinakis
Wednesday evening sessions
October 2011 - May 2012

CLINICAL TOPICS IN DENTISTRY PROGRAM

Thirty-seven topics available: 28 on DVD and nine on video. Great savings when you purchase three or more programs!

Clinical Topics in Dentistry is a series of recorded educational programs that enable dental professionals to learn independently at their own pace. Topics are recorded from live procedures performed at the mid-winter meetings of the Chicago Dental Society and the Hinman Dental Society.

For more information and to receive a catalogue, call Continuing Dental Education at 604-822-2627 or e-mail cde@interchange.ubc.ca. Visit www.dentistry.ubc.ca/cde and click on "Clinical Videos."

FOR FULL DETAILS OF CDE COURSES AND TO REGISTER VISIT DENTISTRY.UBC.CA/CDE ADA CER-P

Continuing Education Recognition Program