I extend a sincere thank you to all members of the Dalhousie Community who have been so supportive of our collective efforts.

The Faculty is indebted to all members of the Dean's Office Staff, the Managers, as listed below for their invaluable contribution!

Tammy Broussard
Deborah David
Rita Davis
Lorna Fraser
Marilyn Klein
Pat MacDonald
Jo-Anne Roski
Karen Sherwood
Jon Bruhm

Mike Conrad, Manager, Finance & Personnel
Diane Crouse, Manager, Continuing Ed., Alumni Affairs
Bruce Moxley, Manager, Clinic & Support Services
Nancy Webb, Manager, Academic Affairs

Cover image: Dentistry Academic Plan
It is my pleasure to present the Annual Report of the Faculty of Dentistry, Dalhousie University. The Annual Report is a true reflection of our Faculty Mission: We promote and provide oral health care as an integral component of overall health for regional, national and international communities through quality education, research and service. This report provides our Faculty with an opportunity to inform all interested groups of the outstanding accomplishments of a very dedicated Faculty of Dentistry.

This past year was a remarkable year whereby our Faculty (student, faculty, staff and alumni) Family formally approved a new Academic Plan 2011-2021. I believe we produced an outstanding and historic document by a unique and special process which the Faculty of Dentistry can be very proud. The design was a result of broad consultation with our various stakeholders and incorporation of a human system approach that facilitates positive change called Appreciative Inquiry. By focusing on "Dalhousie University Faculty of Dentistry at Its Best" this process ensures that our strategic directions explored what works well in the Faculty of Dentistry, in order to build on our strengths and embrace future challenges and opportunities. From the process I believe we have produced a document which will provide a basis for future decision making.

This past June 6th we held our Faculty Retreat and our focus was on our Clinical Teaching Model for the 21st Century, an action plan which grew from our Academic Plan. This action plan will create a new environment for curriculum planning, clinical teaching and evaluation for many years to come. Thank you and kudos to all our Faculty Family,

This past year we have seen a few changes in our Faculty Family. Ms. Heather Greenwood has retired, a longstanding employee in our Dental Laboratory, a dental technician for more than 30 years. Ms. Jen Laurette our Faculty Development Officer, has left our Faculty for a new position in Toronto, Ontario. We are also pleased to welcome Dr. Martha Brilliant as our new Research Development Officer.
We are also pleased to welcome a number of new part-time faculty members and full-time staff members.

New Faculty Members

- Dr. Haidr Ashrif, part-time, Division of Comprehensive Care, Department of Dental Clinical Sciences
- Dr. Debra Carter, part-time, Division of Endodontics, Department of Dental Clinical Sciences
- Dr. Susan Duann, part-time, Division of Periodontics, Department of Dental Clinical Sciences
- Dr. Richard Kratz, part-time, Division of Endodontics, Department of Dental Clinical Sciences
- Dr. Kevin MacDonald, part-time, Division of Periodontics, Department of Dental Clinical Sciences
- Professor Palmer Nelson, part-time, School of Dental Hygiene
- Dr. Graham Nickerson, part-time, Division of Endodontics, Department of Dental Clinical Sciences
- Dr. Lilya Nikolcheva, part-time, Division of Orthodontics, Department of Dental Clinical Sciences
- Dr. Michael Pannozzo, part-time, Division of Periodontics, Department of Dental Clinical Sciences
- Dr. Fares Sbaiti, part-time, Division of Comprehensive Care, Department of Dental Clinical Sciences
- Dr. Carla Sherman, part-time, Division of Comprehensive Care, Department of Dental Clinical Sciences
- Dr. Widad Wdaa, part-time, Division of Periodontics, Department of Dental Clinical Sciences

New Staff Members

- Ellyce Anderson, Patient Services
- Jennifer Brown, Dental Laboratory
- Ashley Kervin, part-time, Department of Oral and Maxillofacial Sciences

Our Faculty has had another year of outstanding scholarly accomplishment. This year’s annual report is a true testament to our mission statement. In addition to our report I would like to highlight a few accomplishments of our students and faculty.


   McCarvill, Mary Ellen – Dental Hygiene Evaluation of Outcomes Following Changes to the TCC Program at Dalhousie University Faculty of Dentistry – Peggy Maillet, Nancy Neish, Cara Tax (Advisors)

   Parrott, Alayna – An Evaluation of Dentistry and Dental Hygiene Student Interprofessional Health Education Modules – Nancy Neish & Cynthia Andrews (Advisors)

   Siddiqi, Faiza – A Feasibility Assessment to Examine the Oral Health of Older Adults Who are Homebound – Mary McNally & Deb Matthews (Advisors)

Both Marian Hynes and Alayna Parrot were awarded an honorable mention for their poster presentations. Congratulations!

2) Equally as popular and outstanding was our Annual Faculty of Dentistry Table Clinic Presentations. Although somewhat stressful for our second year dental hygiene, third year dentistry and qualifying students, the outcome was a great learning experience for alumni, students, faculty, staff and the general public. Special thank you to Professor Peggy Maillet and the Table Clinic Team.

Dentistry

1st Place
Natasha Chishti
Advisor – Dr. Mark Knechtel
CDA Dentistry Clinical Award
Dr. Bruce N. Fergusson Prize
United Dental Learning Centre
Hallmark Table Clinic Award
Patterson Table Clinic Award

2nd Place
Gregory Magee
Advisor – Dr. Mark Vallee
Halifax County Dental Society/Brasseler Canada Prize
United Dental Learning Centre
Hallmark Table Clinic Award
Patterson Table Clinic Award

3rd Place
Alex Fay
Advisor – Dr. Gorman Doye
Halifax County Dental Society/Brasseler Canada Prize
United Dental Learning Centre
Hallmark Table Clinic Award
Patterson Table Clinic Award
Henry Schein Ash Arcona

4th Place
Philip McKenzie
Advisor – Dr. Ferne Kraglund
Dr. James P. Craft Prize
Hallmark Table Clinic Award

Cape Breton Dental Society Prize for Clinical Application
Michelle Sampson
Advisor – Dr. Deb Matthews

DDS Prize for Creativity
Randa Baobaid
Advisor – Dr. John Lovas

DDSS Prize for Research
Ashlee Muise
Advisor – Dr. Cynthia Andrews

Dental Hygiene

1st Place
Matthew Goodz/Chelsea Boyle
Advisor – Ms. Kim Haslam
Dental Hygiene Student Society
Hallmark Table Clinic Award
Patterson Table Clinic Award

2nd Place
James Chin/Alyssa Marks
Advisor – Ms. Chris Robb
College of Dental Hygienists of Nova Scotia Prize
Hallmark Table Clinic Award
Patterson Table Clinic Award

3rd Place
Heather Pumphrey/Jennifer McNeil
Advisor – Ms. Teanne MacCallum
College of Dental Hygienists of Nova Scotia Prize
Hallmark Table Clinic Award
Patterson Table Clinic Award

4th Place
Laura Winchester/Stephanie Ryan
Advisor – Dr. Ben Davis
Hallmark Table Clinic Award
This year has been a year of inspiring accomplishments by our Faculty Family. Here are some of the highlights.

The Dean’s Kudos List:

Dr. Reg Goodday has been reappointed as Chair of the Department of Oral and Maxillofacial Sciences. Masters in Periodontics Graduate Program started July 2011; Program Director Dr. Ed Ghiabi.

Dr. Mike Lee has been appointed Acting Associate Dean of Graduate Studies until July 1, 2011.

Professor Heather Doucette completed the Iron Man in Penticton, British Columbia—outstanding accomplishment.

Dr. Wayne Garland’s photography was featured in the Sable Island Exhibit at Harris and Company Art Gallery, West Jeddore, September 4 to October 11, 2010.

Dr. Derek Jones, Professor Emeritus, Chair of the International Standards Organization (ISO) Committee on Dentistry (ISO/TC106) presided over the 46th TC/106 Meeting in Rio de Janeiro and made an invited presentation at a symposium on dental standards, September 25, 2010.

Dr. Jack Gerrow, recipient of the first ACFD Distinguished Service Award. The award was formally presented in June at the ACFD Biennial Conference.

Teresa Morrison, DDS’13 and April Scott, DDH’10, as 2010 Dalhousie CIS Academic All Canadians. This is the most prestigious honor a student athlete in Canada may receive. Teresa Morrison plays for the Atlantic University Sports All Stars premier women’s soccer team. April Scott is a prize winning varsity women’s basketball player.

Dr. Jim Carson as the 2010 Outstanding Alumni Award Recipient. Dr. Carson was honored at the Annual Alumni Dinner, October 1, 2010.

Dr. David Precious as recipient of the Doctorate Honoris Causa from Laval University for leadership in the field of oral and maxillofacial sciences, cleft lip and cleft plate research and treatment. This is highest distinction granted by the university. The honorary degree was conferred on June 2011 in Quebec City, Quebec.

Drs. Bannerman, Goodday and Morrison were inducted as New Fellows into the American College of Dentists in Orlando, Florida on October 7, 2010.

Dr. Ferne Kraglund, along with Chris Lee, dentistry staff member Kim Berkers, dental students Allie Nette, Caroline Cheung, Ian MacAskill and So Jung Lee hosted a booth at the Halifax Connects Project this past October. This event was organized as a Services and Health Fair for various vulnerable populations in the HRM. The event took place at the Halifax Armony across from the Halifax Common. To quote Dr. Kraglund, “Our participation was well worth the effort, both for the participants and for ourselves. The student thoroughly enjoyed the experience and were able to reach out to a population with whom we rarely have contact (yet).”

Cynthia Andrews, OMFS Faculty (Chad Robertson, Ben Davis, Curtis Gregoire), Pediatric Faculty (Ross Anderson, Jennifer MacLellan, Tracy Doyle and Heather Dyment) in the creation of the First Oral Medicine Module for the New Medical Curriculum.

Martha Brillant as our new Research Officer. In her new role she will be working in concert with Mark Filiaggi, Assistant Dean Research and the Research Development Committee to initiate and implement new and existing programs and activities that will support and enhance the Faculty’s research capacity and profile.

Palmer Nelson, part-time faculty member in the School of Dental Hygiene and President of the Canadian Dental Hygienist Association on a successful presentation to the Finance Committee on Parliament Hill. An important part of CDHA’s advocacy work of prevention and education in oral health care.

Dr. Rick Raftus as the recipient of the W.W. Wood Award for Teaching Excellence in Dental Education.

Jon Bruhm, Drs. Joe Murphy and Carl Canning, due to their efforts we have been successful in our first Malaysian Reunion. The event was a High Tea on Saturday, January 29, 2011 at 3:00 p.m. at the Carousel Café in The Palace of the Golden Horses Hotel. The event was hosted by Dr. Carl Canning. Dr. Canning was on a charity mission to Viet Nam and offered to host this event. A big thank you to Dr. Canning for hosting this even and Mr. Jon Bruhm for making the arrangements. 11 of the 12 Malaysian Alumni were able to attend the event.

Dr. David Precious has been awarded the Medal of Honour by the Canadian Dental Association. It recognizes outstanding service, leadership and humanitarianism at the local, provincial, national and international levels. Due to the distinctive and special nature of this award, there is no requirement for the reward to be given in any one year. Only one award is given at any one time, and only two awards are to be given within any five-year period. Only ten living recipients may hold this award at any one time.

Drs. Goodday, Davis, Gregoire and Robertson have recently been appointed to review panel for the Journal of Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology and Endodontontology (OOOOE). It is the highest ranked Oral and Maxillofacial Surgery title by number of citations and impact factor.

Dr. Mark Filiaggi, Assistant Dean, Research and Dr. Martha Brillant, Research Development Officer on the successful publication of the Guide to Clinical Research. The guide is intended for both new and experienced dental researchers who are considering conducting research that will involve using Faculty of Dentistry clinic resources. Clinic resources include space, personnel, equipment and access to clinic records.

Dr. Michael Lee was granted a sabbatical from July 1, 2011 to June 30, 2012.
Ms. Olu Brown, BDH 2011 as representative of the graduating students from the Faculty of Dentistry. Ms. Brown graduated from Dalhousie University with her Diploma in Dental Hygiene in 2009. Ms. Brown was featured with fellow graduate representative in the graduation publications in May 2012.

Ms. Heather Greenwood as we bid her farewell. Heather is one of our longstanding employees. After working in the Dental Laboratory as a dental technician for more than 30 years, Heather has retired! She will be missed, but we wish her all the best in her retirement.

BDH Students for creating a student bursary. On Thursday, April 14, 2011, graduating students from the Bachelor of Dental Hygiene (BDH) Program at the Faculty of Dentistry made a special presentation to the School of Dental Hygiene, a class gift to the Faculty in the form of a bursary for future BDH students in financial need.

Dr. Yung-Hua Li has been granted a 6-month sabbatical leave effective July 2011.

Dr. Kathy Russell has been promoted to the rank of Full Professor effective July 1, 2011.

Ms. Sandy Mansfield received the Faculty of Graduate Studies Distinguished Service Award in early May this year. This award recognizes members of Dalhousie’s graduate studies community who have provided long and meritorious service to graduate studies and graduate students at Dalhousie University.

Dr. Ian Doyle, part-time faculty member in Dental Clinical Sciences received the NSDA Community Service Award at the annual meeting on June 4, 2011.

Dr. Tom Boyle, part-time faculty member in Dental Clinical Sciences received the Award of Excellence at the annual meeting on June 4, 2011.

Mr. Bruce Moxley, double award winner, Friend of Dentistry Award presented by the NSDA at the annual meeting on June 4, 2011 and as well the recipient of the Inaugural Dalhousie Professional and Management Group “Outstanding Achievement Award” presented at the DPMG Conference on June 9, 2011.

Dr. Aimee Dawson, part-time faculty member in Dental Clinical Sciences has received a 2011 Rising Star Award for her work on women’s and children’s medical issues across Nova Scotia. The award was presented in May at the Association of Junior Leagues International 89th Annual Convention in Philadelphia.

Dr. Blaine Cleghorn, winner of the 2011 ACFD National Teaching Award (presented at the Biennial Conference ACFD in Montreal, June 20, 2011).

Dr. Jack Gerrow, recipient of the first ACFD Distinguished Service Award (presented at the Biennial Conference ACFD in Montreal, June 20, 2011).

Well done and congratulations everyone!

The Faculty of Dentistry continues to embrace the true spirit of our mission in research, academia and service. Thank you friends and colleagues for making the 2010-2011 academic year so outstanding. In the words of Charles Kettering, “Our imagination is the only limit to what we can hope to have in the future. Continue to dream and let us embrace the future together”.

Tom Boran
I. Applied Oral Sciences: Members of The Department

Head/Chair
- Dr. Mark J. Filiaggi, BscEng (Penn), MASc, PhD (Toronto)

Full-Time
- Dr. Daniel J. Boyd, BSc (Hons) (U of Limerick), PhD (U of Limerick)
- Dr. Mark J. Filiaggi, BscEng (Penn), MASc, PhD (Toronto) Associate Professor
- Dr. Yung-Hua Li, PhD (UM), MSc (UM), DMD (WU) Associate Professor

Part-Time (retired)
- Dr. Elliott J. Sutow, BSc (Penn St) PhD (U of Penn), Med (Dal) Professor

Joint Appointment
- Dr. J. Michael Lee, BSc (UNB), PhD (Western) Professor Department of Applied Oral Sciences, Faculty of Dentistry
  School of Biomedical Engineering, Faculties of Medicine and Engineering
  Faculty of Graduate Studies
- Dr. Song F. Lee, BSc, PhD (Guelph) Professor
  Department of Applied Oral Sciences, Faculty of Dentistry
  Department of Microbiology & Immunology, Faculty of Medicine

Cross Appointment
- Dr. Daniel J. Boyd, BSc (Hons) (U of Limerick), PhD (U of Limerick)
  Assistant Professor
  School of Biomedical Engineering, Faculties of Medicine and Engineering
- Dr. Mark J. Filiaggi, BscEng (Penn), MASc, PhD (Toronto)
  Associate Professor
  School of Biomedical Engineering, Faculties of Medicine and Engineering
- Dr. Yung-Hua Li, PhD (UM), MSc (UM), DMD (WU)
  Associate Professor
  Department of Microbiology & Immunology, Faculty of Medicine

Professor Emeritus
- Dr. Derek W. Jones, B.Sc., Ph.D., (Birm. U.), F.I. M., C.Chem. FRSC (UK), FADM, FBSE, DO,h.c.(U.Umeå)

Technical Support Staff
- Mr. Gordon C. Hall
- Ms. Maxine F. Langman

Administrative Support Staff
- Ms. Denise L. Lynds-Brown
A new academic year brought an almost tearful end to sabbatical leave, but with renewed energy to meet the new opportunities and challenges ahead for AOS. We again had to weather the loss of Dr. Mike Lee, whose secondment to the Faculty of Graduate Studies as acting Associate Dean was renewed for the full academic year. Our newest member, Dr. Daniel Boyd, aptly stepped in to take up some of the slack, injecting some much appreciated freshness and enthusiasm to the biomaterials curriculum while building a research program in dramatic and impressive fashion. As a department, we were actively involved in developing the new academic plan for our Faculty, and look forward to making further substantive contributions to ongoing discussions on clinic and curriculum renewal. With the Capital Campaign moving full steam ahead, we can’t help but get excited about the dynamic and exciting times to come for our department and the Faculty as a whole.

The Department of Applied Oral Sciences, through course offerings primarily in biomaterials and microbiology (with additional teaching at the graduate level in Biomedical Engineering), remains fully committed to bringing evidence-based decision making to clinical practice. Teaching commitments notwithstanding, research – including essential research training at the undergraduate, professional, graduate and post-doctoral levels – remains core to our mission. And as in any research enterprise, securing new as well as renewable research funding remains paramount to the further development and growth of faculty research programs. To this end, AOS members – led by the aforementioned Danny Boyd as well as our tandem of microbiologists, Drs. Song Lee and Yung-Hua Li – have had an extraordinarily successful year, garnering over $35M (yes, the ‘M’ means ‘million’!) in new research operating and infrastructure funding as principal investigators to support both individual and collaborative research ventures. This includes “Tricouncil” funding (those ever-illusive federal agency dollars) as well as commercialization-oriented program funding designed to make bench-top innovations a clinical reality. Together with existing funds for current projects, these investments support discovery and innovation across a broad spectrum of health-related fields, including oral health. From novel (and dentally-inspired) glass ionomer cements for minimally-invasive surgical procedures such as vertebroplasty, to oral vaccine delivery, to therapeutic glasses and calcium phosphate drug delivery systems designed to treat such diverse conditions as uterine fibroids and chronic bone infections, respectfully, to strategies aimed at preventing biofilm formation on implants and tooth surfaces – our research activity is certainly far-reaching in its potential impact on clinical practice and health care in general.

Importantly, members of the Department also remain actively engaged in the administrative life of the Faculty and the university, taking on leadership roles within Dalhousie while serving the profession on the national and international stage. Dr. Song Lee, for example, is the Associate Director of the Canadian Center for Vaccinology, a unique center that brings together researchers in basic discovery, vaccine evaluation, and policy and ethics. Yours truly recently completed a term as President of the Canadian Biomaterials Society, while continuing to serve as Secretary-Treasurer of the Canadian Association for Dental Research. Dr. Derek Jones presides over the International Standards Committee ISO/TC 106 Dentistry that is focused on developing and updating international standards based upon the physical and chemical requirements and performance properties of dental materials, and the design performance of instruments and equipment. He also remains a stalwart advocate of an evidence-based approach to amalgam use, and currently serves...
on the International Dental Federation (FDI) Amalgam Task Force team that provides invaluable input on the “mercury issue” to the United Nations Environment Programme.

As any academic will appreciate, we are only as productive (and sane!) as the staff on whose support we rely. In this regard, the Department gratefully acknowledges the efforts of Maxine Langman and Gordon Hall for their ongoing laboratory and technical support – including their involvement in student lab training and laboratory safety – that is so incredibly vital to maintaining an efficient and fruitful research environment. As always, the department remains indebted to Denise Lynds-Brown for her invaluable administrative support, financial acumen and seemingly endless supply of chocolate.

III. Teaching Program

A. Teaching Responsibilities

1) Undergraduate Curriculum

Dr. Daniel Boyd
• D3000.06R, Basic Sciences for Dentistry - Dental Biomaterials Science Module
• DENT2111R Dental Biomaterials Science
• DEHY2806B - Dental Hygiene Biomaterials Science

Dr. Mark J. Filiaggi
• D3000.06R, Basic Sciences for Dentistry - Dental Biomaterials Science Module
• DENT2111R Dental Biomaterials Science
• DENT3117 Foundation Sciences in Clinical Practice

Dr. Song F. Lee
• DEHY2850 (MICI1200) Introduction and General Oral Microbiology
• D1118 Infectious Diseases
• D3000 Basic Sciences for Dentistry
• MICI 3119 Physiology of the Prokaryotic Cell (Course Director)

Dr. Yung Hua Li
• DEHY 2850.03 Introduction to general and oral microbiology (Course Director)
• DENT 1118.01 Infectious diseases (Course Director)

Dr. Elliott J. Sutow
• D2111R Dental Biomaterials Science
• DEHY2806B Dental Biomaterials Science Module
• D3000.06R, Basic Sciences for Dentistry - Dental Biomaterials Science Module

2) Postgraduate Curriculum

Dr. Daniel Boyd
• BMNG 5110 Biocompatibility and Biomaterials Design

Dr. Mark J. Filiaggi
• BMNG 5160 Bioengineering in Orthopaedics and Dentistry

3) Elective - Undergraduate Students Supervised

Dr. Daniel Boyd
• Jacquleyn Levangie, DDS2, Summer 2011

Dr. Mark J. Filiaggi
• Benjamin Lamarche, DDS1, Summer 2011
• Hanjoo Lee (Chemistry Honors Student; co-Supervisor)

Dr. Song Lee
• HyangSook Kim (NSERC Summer student and Honors thesis)
• Crystal Ng (NSERC Summer Student)
• Farhan Khan (IWK Summer Student)
• Ashley Bitar (IWK Summer Student)
• Andrew Cadwell (Medicine Summer Student)

Dr. Yung-Hua Li
• William Lin, NSERC summer research scholarship student (microbiology)

4) Faculty of Graduate Studies

Dr. Daniel Boyd
• Brett Dickey, MASc. candidate, Biomedical Engineering, Principal Supervisor
• Jenna Hurry, MASc. candidate, Biomedical Engineering, Co-Supervisor

Dr. Mark J. Filiaggi
• Patricia Comeau, PhD Candidate, Biomedical Engineering, Principal Supervisor
• Arash Momeni, PhD Candidate, Biomedical Engineering, Principal Supervisor

Dr. J. Michael Lee
• Robert Leslie, MASc. candidate, Biomedical Engineering, Co-Supervisor
• Caitlin Pierlot, PhD Candidate, Biomedical Engineering, Co-Supervisor

Dr. Song Lee
• Yannick Tremblay, PhD candidate, Department of Microbiology & Immunology
• Nicole McCormik, M.Sc. candidate, Department of Microbiology & Immunology
• Lauren Davey, PhD candidate, Department of Microbiology & Immunology

Dr. Yung-Hua Li
• Naif Jalal, MSc candidate, Microbiology and Immunology, Co-supervisor
• Juuni Mai, PhD candidate, Co-supervisor

4) Post Graduate Students

Dr. Daniel Boyd
• Sharon Kehoe, Post-Doctoral Fellow

Dr. J. Michael Lee
• Sam Veres, Post Doctoral Fellow
• Ellen Brennan, Post-Doctoral Fellow

Dr. Song Lee
• Yehudah Avarham, Post Doctoral Fellow
5) Graduate Thesis Committees

Dr. Daniel Boyd
- Robert Leslie, MASc candidate, Biomedical Engineering
- Arash Momeni, PhD candidate, Biomedical Engineering
- Patricia Comeau, PhD candidate, Biomedical Engineering

Dr. Mark J. Filiaggi
- Hung-Wei Liu, MASC candidate, Process Engineering and Applied Sciences
- Joshua Bray, PhD candidate, Physics
- Andrew Allan, MASC candidate, Biomedical Engineering
- Brett Dickey, MASC candidate, Biomedical Engineering
- Melanie Holmes, MASC candidate, Process Engineering and Applied Sciences

Dr. J. Michael Lee
- Sarah Connolly, PhD candidate, Biomedical Engineering

Dr. Song F. Lee
- Kelly Resmer, PhD candidate, Department of Chemistry
- Badii Al-Bana, PhD candidate, Department of Microbiology & Immunology
- Erin Brouwers, MSc candidate, Department of Microbiology & Immunology
- Naif Jalal, MSc candidate, Department of Microbiology & Immunology
- Marina Ritchie, M.Sc. Student, Department of Biology

Dr. Yung-Hua Li
- Nicole McCormick, M.Sc candidate, Microbiology and Immunology, Dalhousie University

6) External to Dalhousie University

Dr. Daniel Boyd
- Sharon Murphy, PhD candidate, Cork Institute of Technology, School of Biological Sciences, Ireland

B. Educational Innovations

1) Curriculum Development

- Drs. Mark Filiaggi and Daniel Boyd developed a term project component for the Dental Biomaterials course in which student “teams” prepared, in response to a relevant dental biomaterials issue or controversy, a document and corresponding class presentation that drew from the modern scientific (i.e., evidence-based) literature with consideration to our current understanding of dental materials science and biocompatibility. These projects were intended to emulate the sort of information gathering, assessment, and synthesis that a dental practitioner should undertake when considering the use of a new or alternative treatment approach for his/her patients.
- Dr. Daniel Boyd developed a mock workshop for the Dental Biomaterials course in which the students, as dental health professionals addressing the World Health Organization, were tasked with identifying a restorative treatment mechanism to treat carious lesions for a developing, low-income population for whom there is no access to running water or electricity. This exercise was designed to encourage emergent critical thinking with respect to (i) the scope and significance of the term ‘biocompatibility’, (ii) balancing materials properties to achieve a desired clinical outcome and (iii) how dental materials, through full understanding of their properties, can lead to procedures of reduced complexity, and improve quality of life.

C. Administrative Activities Related to Teaching

1) Course Director Positions

Dr. Mark J. Filiaggi
- D3000.068, Basic Sciences for Dentistry - Dental Biomaterials Science Module
- DENT211R Dental Biomaterials Science
- DENT3117 Foundation Sciences in Clinical Practice

Dr. Song F. Lee
- MICI 3119 Physiology of the Prokaryotic Cell

Dr. Yung-Hua Li
- DEHY 2850.03: Introduction to general and oral microbiology,
- DENT 1180.01: Infectious diseases

Dr. Elliott J. Sutow
- DEHY 2806B Dental Biomaterials Science

2) Particular Aspects of Course Implementation, Evaluation

Not applicable.

3) Committee Membership Related to Teaching

Not applicable.

IV. Papers, Books And Reports

A. July 2010 - June 2011 Publications

Dr. Daniel Boyd

Dr. Mark J. Filiaggi

Dr. J. Michael Lee
- MB Ariganello, DT Simionescu, RS Labow, JM Lee; Macrophage differentiation and polarization on a decellularized pericardial biomaterial, Biomaterials 2010; 32[2]: 439-449.
Dr. Song F. Lee

Dr. Yung-Hua Li

B. 2010-2011 Papers in Press
Dr. Daniel Boyd
• Preliminary Evaluation of Therapeutic Ion Release from Sr-doped Zinc-Silicate Glass-Ceramics, J. Biomaterials Applications (Accepted May 2011)

Dr. Mark J. Filiaggi

C. Papers / Abstracts Read at Meetings
Dr. Mark J. Filiaggi
• L Lohstreter, E Grovender, T Byrne, M McArthur, R Sanderson, M Filiaggi, Z Bai and J Dahn, The role of surface oxide composition on albumin and fibrinogen adsorption onto inorganic combinatorial materials, BioInterface 2011, Minneapolis.
• D Matthews, J Clovis, M Brilliant, H Lawrence, R Kotzer, M McNally, M Filiaggi, Comparison of clinical oral health status between seniors and pre-seniors, 88th General Session of the IADR, Barcelona, July 2010.
• J Clovis, D Matthews, H Lawrence, R Kotzer, M Brilliant, M McNally, M Filiaggi, Dental visit frequency of community-dwelling adults aged 45 and older, 88th General Session of the IADR, Barcelona, July 2010.

Dr. J. Michael Lee
• C Pierlot, A Moeller, M Lee, and S Wells; Remodeling of the Mitral Valve in Response to the Physiological Effects of Pregnancy. Biomedical Engineering Society (BMES) Meeting, Austin, TX, Oct. 2010.
• S Wells, D deBay, A Moeller, C Pierlot, J Doane, and M Lee; Rapid Remodeling of Cardiovascular Tissues During Pregnancy. Biomedical Engineering Society (BMES) Meeting, Austin, TX, Oct. 2010.
• J McCade, M Ariganello, E Brennan, R Labow, and M Lee; Macrophage Interactions with Decellularized Materials: Influence of Crosslinking Treatment. Biomedical Engineering Society (BMES) Meeting, Austin, TX, Oct 2010.

Dr. Yung-Hua Li
• Tian XL, German M, Gong YX, Ouyang J, Li, YH. The innate defense peptides activate the BceABRS four-component system that regulates resistance to bacitracin in Streptococcus mutans. Abstract #MC39. Annual Meeting of Canadian Society for Microbiologists, St. John, NL, June 20-23, 2011.

D. Papers Submitted
Dr. Daniel Boyd
• In Silico Evaluation of Stress Distribution After Vertebral Body Augmentation with Conventional Acrylics, Composites and Glass Polyalkenoate Cements, Journal of the Mechanical Behaviour of Biomedical Materials

Dr. Mark J. Filiaggi
• DC Matthews, JB Clovis, MGS Brilliant, MJ Filiaggi, ME McNally, RK Kotzer, HP Lawrence; Oral Health Status of Long-Term Care Residents - A Vulnerable Population, J Canadian Dental Association

Dr. Song F. Lee

E. Invited Lectures
Dr. Daniel Boyd
• Delivered a Guest Lecture for Mary Anne
• White (3rd and 4th year materials science). Title: Glass Based Biomaterials in Therapeutic and Regenerative Medicine.
• Institute for Research in Materials AGM Bioactive materials for bone tissue regeneration; Halifax, NS, 2010.
• BioPort Conference; Regenerative Medical Devices; Halifax, 2010.
• Glass based biomaterials for tissue repair, Cork Institute of Technology, Ireland, 2010.

Dr. Derek W. Jones
• International Symposium on Standards, Rio de Janeiro, Brazil on September 25th 2010.
• “ISO the importance of developing international standards in dentistry.”
• Continuing Education Course, Dalhousie Dental School, November 13th 2010.
• “The challenge presented to dental materials in their dental application,” “The controversy and issues surrounding the use of dental amalgam,” and “why do we need standards?”

F. Reports/Technical Papers

G. Papers in Preparation

Dr. Daniel Boyd
• Composition-property evaluation of novel embolic agents – fibrinogen confirmation analysis and platelet adhesion; S. Kehoe, B. Abraham, J. Rainey and D. Boyd

Dr. Mark Filiaggi
• JM Bray, MJ Filiaggi, CV Bowen, SD Beyea; Degradation and Drug Release in Calcium Polyphosphate Bioceramics: An MRI-Based Characterization; Acta Biomaterialia
V. Research Activities

A. Completed During the Year

Dr. Mark J. Filiaggi
- Facility for preparation of advanced metallic and ceramic materials (Co-Investigator; K Plucknett [PI] and 4 others); NSERC Research Tools and Instruments Grant; $98,170 (2010 – 2011)
- Acquisition of an NMR Probe for Low-Frequency Nuclei (Co-Investigator; J Zwanziger [PI] and 4 others); NSERC Research Tools and Instruments Grant; $71,153 (2010 – 2011)
- Bioceramics Processing and Characterization Facility (Principal Investigator); Canadian Foundation for Innovation / Institutional Operating Grant; $29,025 (2004 – 2011)

Dr. Song F. Lee
- Natural Sciences and Engineering Research Council (Principal Investigator)
- Cell surface modulation in Streptococcus mutans
- NSERC Discovery Grant, 2005-2011, $148,000

Dr. Yung-Hua Li
- CFI Operating fund: an operating fund for the CFI New Opportunity project of Research laboratory for biofilm control. $41,034 total, 2006-2011 (Principal Investigator)

B. Projects in Progress

Dr. Daniel Boyd
- Therapeutic and Regenerative Glass-Based Biomaterials (Principal Investigator)
- NSERC Discovery Grant, $100,000 total (2010 – 2015)
- Nanoindentation Suite (Principal Investigator)
- NSERC / Research Tools & Instruments Grant; $150,000 (2011 – 2012)
- Commercialisation of OccluRad (Principal Investigator)
- Innovacorp, Early Stage Commercialisation Fund, $49,500 (2011 – 2012)
- Minimally Invasive Systems for Bone Augmentation (Principal Investigator)
- Atlantic Innovation Fund, $2.5Million (2011 – 2016)
- Infrastructure for Research and Development of Glass Based Biomaterials (Principal Investigator)
- Canadian Foundation for Innovation – Leaders Opportunity Fund; Infrastructure Grant, $323,101
- Development of a novel agent for use in transarterial chemoembolization

Dr. Mark J. Filiaggi
- An implantable, subcutaneous, piezoelectric hearing aid (Collaborator; R Adamson [PA] and 2 others); Nova Scotia Health Research Foundation/Research Project Grant; $126,000 total (2010 – 2013)
- Calcium Phosphate Processing Strategies for Delivery of Therapeutic Agents
  - (Principal Investigator); NSERC / Discovery Grant; $100,000 total (2010 – 2015)
- Minimally Invasive Systems for Bone Augmentation (co-Investigator; with D Boyd [PI] and 2 others); Atlantic Canada Opportunities Agency (ACOA) / Atlantic Innovation Fund; $330,478 p.a. (2011 – 2016)
- Nanoindentation Suite (co-Investigator; with D Boyd [PI] and 2 others); NSERC / Research Tools & Instruments Grant; $150,000 (2011 – 2012)
- High Performance Microanalysis Upgrades to Field Emission Scanning Electron Microscope (co-Investigator; with DP Bishop [PI] and 5 others; NSERC / Research Tools & Instruments Grant; $68,683 (2011 – 2012)
- An Integrated NSERC CREATE Training Program in Biomedical Device Innovation (co-Aplicant with GN Maksym [PI] and 6 others); NSERC Collaborative Research and Training Experience Program Grant; $1,607,980 (over 6 years)
- Increasing Capacity to Inform Oral Health Policy regarding Vulnerable Populations and the KT Plan (Co-Investigator; J Clovis [PI] and 6 others); CIHR Seed Grant: Disparities in Oral Health; $111,000 (2008 – 2011)
- Changing Demographics: The Oral Health of Our Aging Population (Co-Investigator; D Matthews [PI] and 10 others); NSERC Major Resources Support Grant; $126,000 total (2010 – 2013)
- Changing Demographics: The Oral Health of Our Aging Population (Co-Investigator; D Matthews [PI] and 10 others); CIHR Regional Partnership Program Grant; $100,000 total (2010 – 2015)
- Atlantic Regional Facilities for Materials Characterization (Co-Investigator with M.A. White [PI] and 10 others); NSERC Major Resources Support Grant; $86,450 p.a. [$432,250 total] (2007-2012)

Dr. J. Michael Lee
- Failure mechanisms in collagen of heart valves and tissue engineered replacements (Principal Investigator)
- NSERC Discovery Grant; $115,000 total (2010 – 2015)

Dr. Song F. Lee
- Cell surface modulation in oral streptococci (Principal Investigator)
- NSERC Discovery Grant, $150,000 total (2011-2016)
- The Gates Foundation
- Linking innate and specific immunity to develop single dose vaccines for neonates (C, PI: L. Babiuk)

Dr. Yung Hua Li
- Functional genomic analysis of a peptide antibiotic-sensing and response regulon in Streptococcus mutans (Principal Investigator)
- Molecular analysis of a peptide-mediated two-component signal transduction system (Principal Investigator)
- NSERC Discovery Grant: $30,000/yr ($150,000 total), 2007-2012
- Functional genomic approaches to identifying virulence-associated gene in Streptococcus mutans (Principal Investigator)

C. Planned Research

Dr. Daniel Boyd

Dr. Mark J. Filiaggi
- Antimicrobial Implants Surfaces (with P. Zhang, Chemistry)
- A Combinatorial Approach to Metallic Implant Surface Design for Improved Osseointegration (with J. Dahn, Physics)

D. Undergraduate Student Research Supervision

E. Postgraduate Student Research Supervision

F. Graduate Student Research Supervision

See Section III above.

G. Awards for Research

See grant awards described in the preceding sections.
VI. Professional Development

A. Major Meetings Attended
Dr. Derek W. Jones
- ISO/TC 106 meeting, Rio de Janeiro, Brazil; September 27 – October 3, 2010
- FDI Task Team and the DMG-IADR Hg/Amalgam Task Force both of which are addressing the urgent ongoing International issue of mercury from dental amalgam
See “Conferences Attended” below

B. Courses Attended
Dr. Yung Hua Li
- Faculty Retreat, Faculty of Dentistry
- Research seminars and Journal Club in the Department of Microbiology and Immunology

C. Conferences Attended
Dr. Daniel Boyd
- GRIBOI, Boston, April 2011

Dr. Mark J. Filiaggi
- 29th Annual Conference of the Canadian Biomaterials Society, Vancouver, June 2011
- ACFD 2011 Biennial Conference, Montreal, June 2011
- GRIBOI, Boston, April 2011
- 89th General Session IADR (35th Annual Meeting of the CADR), San Diego, March 2011

Dr. Yung-Hua Li
- Annual Meeting of Canadian Society for Microbiologists, St. John, NL, June 2011
- 50th International Conference on Antimicrobial Agents and Chemotherapy (ICAAC), Boston, Sept 2010.

VII. Service Commitments

A. Departmental

B. Faculty
Dr. Daniel Boyd
- Continuing Education Committee

Dr. Mark Filiaggi
- Research Development Committee (Chair, ex-officio)

Dr. Song F. Lee
- Tenure & Promotion Committee (Chair)

Dr. Yung Hua Li
- Chemical Safety Committee
- Research Development Committee
- Strategic Planning Committee (Ad Hoc)
- Tenure and Promotion Committee

C. University
Dr. Daniel Boyd
- Member-at-Large, Institute for Research in Materials Advisory Committee

Dr. Mark Filiaggi
- Dentistry Representative, Institute for Research in Materials Advisory Committee
- Dalhousie Research Advisory Committee
- Senate Review Committee for the Faculty of Medicine
- Steering Committee, Integrated Health Research Training Partnership (Chair)

Dr. Song F. Lee
- Canadian Center for Vaccinology (Associate Director)

D. National
Dr. Mark J. Filiaggi
- Past-President, Canadian Biomaterials Society; 2011 – 2012
- President, Canadian Biomaterials Society; 2010 – 2011
- Secretary / Treasurer, Canadian Association for Dental Research; 2010 – 2013
- Question Development and Review (Basic Sciences), National Dental Examining Board of Canada
- Scientific Committee, 29th Canadian Biomaterials Society Meeting
- Grant Reviewer – CIHR, NSERC
- College Member, Canada Research Chairs Program

Dr. Yung-Hua Li
- An external reviewer for NSERC Grants (Cell Biology, GSC-32)
- An external reviewer for Canadian Institute for Health Research (CIHR)
- An external reviewer for Journal of Dental Research
- An external reviewer for Archives for Oral Biology

E. International
Dr. Daniel Boyd
- Acted as peer reviewer for a number of journals including (but not limited to):
  - Journal of Materials Science Materials in Medicine
  - Acta Biomaterialia
  - Journal of Biomaterials Applications
  - Materials chemistry
  - Langmuir
- Invited to accept the position of adjunct professor at Alfred University, Rochester, NY, USA.

Dr. Mark J. Filiaggi
- Member, Canadian Advisory Committee to ISO/TC 106 – Dentistry, Sub-committee 1 (Filling and Restorative Materials); Working Group 10 (Biological Evaluation)
- International Advisory Committee, 9th World Biomaterials Congress

Dr. Derek W. Jones
- Chairman, International Standards Organization (ISO) committee on dentistry (ISO/TC 106 Dentistry), December 2014
- Member, Science Committee, International Dental Federation (FDI)
I. Dental Clinical Sciences: Members of The Department

Chair:
• Debora C. Matthews, D.D.S., Dip. Perio., M.Sc., Professor

Full-Time
• Ross D. Anderson, D.D.S., D. Paed. Dent., M.Sc., FRCD(C), Assistant Professor
• Cynthia L. Andrews, D.D.S., Assistant Professor
• Ronald A. Bannerman, D.D.S., M.Sc., M.Ed., Assistant Professor of Prosthodontics and Associate Dean of Academic Affairs
• Thomas L. Boran, D.D.S., M.Ed., Associate Professor and Dean Faculty of Dentistry
• Blaine Cleghorn, D.M.D., MS, Associate Professor and Assistant Dean of Clinical Affairs
• Linda Cochrane, D.D.S., Assistant Professor
• M. Gorman Doyle, D.D.S., M.S., Assistant Professor
• H. Wayne Garland, D.D.S., Assistant Professor
• Jack Gerrow, D.D.S., M.Sc., M.Ed., Professor
• Edmond Ghiabi, D.D.S., Dip. Perio., M.Sc., Assistant Professor
• Mark Knechtel, D.D.S., Assistant Professor
• Robert W. Loney, D.M.D., M.S., Professor
• I. Christian Marquez, D.D.S. M.Sc. Assistant Professor
• Mary McNally, B.Sc., D.D.S., M.Sc., Assistant Professor
• Richard B.T. Price, B.D.S., D.D.S., M.S., Ph.D., FRCD(C), FDS RCS (Edin) Professor
• Luis Ney Quitario, D.D.S., FRCD(C), Assistant Professor
• Kathleen A. Russell, B.Sc., D.D.S., Dip. Orthod., M.Sc., Associate Professor
• Sachin Seth, D.D.S., Assistant Professor
• Heather Johnston
• Greg Jones
• Reena Kapadia
• Vivian Khouri
• Suzanne Kennedy
• Brian Latwaitis
• Terrie Logue
• Ursula Lozowski
• Michelle Maillet
• Wayne Maillet
• David MacAdam
• Marla MacAulay
• Daniel MacIntosh
• Scott MacLean
• Jennifer MacLellan
• Barry MacLeod
• Carl McDermott
• Maud McEvoy
• Amanda Miller
• Sayed Mirbod
• Sathy Murty
• April Nason
• Andrew Nette
• Graham Nickerson
• Lillya Nikolcheva
• Graham Opie
• David Purdy
• Richard Raftus
• Wayne Ramier
• Kenneth Rhodenizer
• Stuart Richardson
• Raquel Roth
• Stephen Roth
• Stacie Saunders
• Jessica Schow
• Vernon Shaffner
• Carla Sherman
• Gerry Solomon
• Arthur Spencer
• Mark Sutherland
• Frances Tompkins
• Kilby Townshend
• Lloyd Trerice
• Graham Usher
• Mark Vallee
• Widad Wdaa
• Michele Wilson
• Daryl West
• Tamara Wright
• Paula Yliheikkila

Part-Time:
• Phil Amys
• David Archer
• Haidr Ashrf
• Kirk Blanchard
• Paul Bourque
• Gina Bouchard
• Tom Boyle
• Robert Brygider
• Chris Cameron
• John Christie
• John Cox
• Blake Creaser
• Stephen Creaser
• Alfred Dean
• Lindsay Dietrich
• Ian Doyle
• Tracy Doyle
• Heather Dyment
• Asile El-Darahali
• Andrew Emanule
• Leity Erickson
• Linda Farrell
• Sarah Foley
• Bruce Friis
• Sura Hadad
• Nada Haidar
• Kim Haslam

Support Staff
• Susan Corkum
• Angela Faulkner

• Wayne Ramier
• Kenneth Rhodenizer
• Stuart Richardson
• Raquel Roth
• Stephen Roth
• Stacie Saunders
• Jessica Schow
• Vernon Shaffner
• Carla Sherman
• Gerry Solomon
• Arthur Spencer
• Mark Sutherland
• Frances Tompkins
• Kilby Townshend
• Lloyd Trerice
• Graham Usher
• Mark Vallee
• Widad Wdaa
• Michele Wilson
• Daryl West
• Tamara Wright
• Paula Yliheikkila

Support Staff
• Susan Corkum
• Angela Faulkner
This academic year has been very rewarding within the department. We are now stronger than ever before in terms of our teaching commitments, scholastic achievements and service to various communities. I was delighted to attend the Association of Canadian Faculties of Dentistry Awards dinner in June, where two of our own were honoured in front of friends, family and colleagues. Congratulations to Dr. Jack Gerrow on receiving the inaugural ACFD Distinguished Service Award; in recognition of his many years of service and significant contributions to dental education, both nationally and internationally. Congratulations also go to Dr. Blaine Cleghorn for receiving the National Teaching Award - the highest honor awarded to dental educators in Canada.

**Teaching Program**

Our faculty members continue to be innovative in their educational methodologies. Dr. Bob Loney continues to develop his premiere interactive website in Removable Prosthodontics. This site is currently being used at 7 other dental faculties and is ranked as 3rd most frequent hit on Google searches for 'removable prosthodontics'. Dr. Cleghorn's web-based course in Dental Anatomy is used by three other dental schools in their curriculum, and his web-based Mock OSCAs part of his role in Interprofessional Health Education. Dr. Cynthia Andrews was involved in the development of the highly successful Health Mentors Program that introduces health professional students to patients with various chronic diseases. The Division of Pediatric Dentistry has developed a case-based learning module designed to involve medical students in early recognition of early childhood caries.

Three of our faculty members have completed course work for their Master’s in Education. We look forward to degrees being granted to Drs. Mark Knechtel, Sachin Seth and Cynthia Andrews this coming academic year. Senate approved the Graduate Program in Periodontics, with our first students beginning August 2011. Approval was granted to search for full time tenure-track positions in endodontics and prosthodontics, a significant step in maintaining status quo and in achieving the goals of our strategic plan. We are currently investigating succession planning, as the majority of FT faculty are now aged 55 or older.

**Research**

Scholarly activity is at an all-time high in the Department. We have doubled the number of publications from 2009-2010. We have produced 41 publications, with 7 accepted for publication and a further 8 submitted to peer reviewed journals. Of particular note, Dr. Mary McNally has, as principal or co-principal investigator, been awarded $608,000 in external funding for 4 projects. This is in addition to the ongoing work of Dr. Kathy Russell with the International Americleft Program and Dr. Price’s multi-national work on dental curing lights.
III. Teaching Program

Report by faculty member (limited to full-time and part-time with ≥50% appointment or course director assignments).

A. Teaching Responsibilities

1) Undergraduate Curriculum

Ross Anderson
- DEN 2400 Pediatric Dentistry II
- DEN/DENQ 3400 Pediatric Dentistry III
- DEN 4400 Pediatric Dentistry IV
- DENQ 3001 Pediatric Dentistry Summer Module
- DEHY 3009 Dental Hygiene Dental Specialties
- Medical Clerk III
- Medicine 1 Metabolism and Homeostasis Unit

Cynthia Andrews
- DEN 1511 Periodontology
- DEN 1503 Periodontics Clinical Teaching Elective
- Health Mentors Program, Supervisor

Ron Bannerman
- DEN/DENQ 3617 Implant Dentistry
- DEN/DENQ 3212 Clinical Comprehensive Patient Care
- DEN 4212 Clinical Comprehensive Patient Care

Blaine Cleghorn
- DEN1411 Cariology I
- DEN1611 Occlusion
- DEN/DENQ 3211 Patient Care III
- DEN/DENQ 3212 Clinical Comprehensive Patient Care
- DEN 4212 Clinical Comprehensive Patient Care
- Bachelor of DH Consent Lecture

Linda Cochrane
- DEN 1211 Patient Care I
- DEN 1411 Cariology I
- DEN 2412 Cariology II
- DEN 2413 Endodontics II
- DEN 2511 Periodontics II
- DEN/DENQ 3212 Clinical Comprehensive Patient Care
- DEN/DENQ 3618 Clinical Prosthodontics
- DEN 4212 Clinical Comprehensive Patient Care

Linda Cochrane
- Dental Hygiene Local Anesthetic module
- Dental Hygiene Faculty Local Anesthetic
- Qualifying Program Summer Module (Periodontics)

Gorman Doyle
- DEN/DENQ 3212 Clinical Comprehensive Patient Care
- DEN/DENQ 3617 Implant Dentistry
- DEN 4212 Clinical Comprehensive Patient Care
- DENQ 3001 Cariology C Summer Module
- Director of the Dental Implant Elective

Tracy Doyle
- DEN 2400 Pediatrics
- DEN/DENQ 3400 Pediatrics
- DEN 4400 Pediatrics
- DENQ 3100 Pediatrics Summer Module
- DEHY 3009 Dental Hygiene Specialties
- Medicine 1 Metabolism and Homeostasis Unit

Heather Dyment
- DEN 2400 Pediatrics
- DEN/DENQ 3400 Pediatrics
- DEN 4400 Pediatrics
- DENQ 3100 Pediatrics Summer Module
- DEHY 3009 Dental Hygiene Specialties
- Medicine 1 Metabolism and Homeostasis Unit

Wayne Garland
- DEN 2412 Cariology II
- DEN 2413 Endodontics II
- DEN/DENQ 3217 Clinical Endodontics
- DEN 4217 Clinical Endodontics
- DENQ 3001 Cariology B Summer Module
- DENQ 3001 Endodontics Summer Module
- DEHY 3009 Dental Specialties, Endodontics Summer Module

Ed Ghiabi
- DEN 1114
- Histology
- DEN 4223 Periodontology IV
- DEHY 3017

Jack Gerrow
- DEN/DENQ 3619 Didactic Prosthodontics III
- DEN/DENQ 3618 Clinical Prosthodontics III
- DEN 4616 Prosthodontics IV
- DEN 4618 Clinical Prosthodontics IV
- Clinical supervision in the Emergency/Recall Clinic
- Clinical supervision of the Multiservice Clinic

Robert Loney
- DENT 2611 Removable Prosthodontics
- DEN/DENQ 3619 Didactic Prosthodontics III
- DEN/DENQ 3217 Patient Care III
- DEN/DENQ 3211 Foundation Sciences in Clinical Practice III
- DEN 4616 Prosthodontics IV

Jennifer MacLellan
- DEN 2400 Pediatrics
- DEN/DENQ 3400 Pediatrics
- DEN 4400 Pediatrics
- DENQ 3100 Pediatrics Summer Module
- DEHY 3009 Dental Hygiene Specialties
- Medicine 1 Metabolism and Homeostasis Unit

Christian Marquez
- DEN 2511 Periodontology II
- DEN/DENQ 3719 Periodontology III
- DEN 4219 Periodontology IV
- DEHY 2805 Periodontics
- DENQ 3001 Periodontology Summer Module
Debora Matthews
- DEN 1211 Patient Care I EBD Module
- DEN 2512 Evidence-Based Dentistry II
- DEN/DENQ 3219 Evidence-Based Dentistry
- DEN/DENQ 3512 Periodontics
- DEN 4512 Periodontics
- DENQ 3001 EBD Summer Module

Mary McNally
- Dental Law and Ethics, DDS1-4
- Supervision ElderCare Clinic

Richard Price
- DEN/DENQ 3619 –Prosthodontics III

Kathy Russell
- DEN 1311 Growth and Development I
- DEN/DENQ 2311 Growth and Development II
- DEN/DENQ 3818 Orthodontics III
- DEN/DENQ 3200 Dental Student Rotation IWK Health III
- DEN/DENQ 3117 Foundation Sciences in Clinical Practice III
- DEN 4818 Orthodontics IV
- DH2 Dental Hygiene 2 Dental Specialties

Sachin Seth
- DEN 1211 Patient Care I
- DEN 1411 Cariology I
- DEN/DENQ 3212 Clinical Comprehensive Patient Care IV
- DEN/DENQ 3220 Treatment Planning III
- DEN 4212 Clinical Comprehensive Patient Care IV
- DEN 4220 Treatment Planning IV
- DEN 4616 Prosthodontics IV
- DENQ 3001 Cariology A Summer Module
- Dental Hygiene Local Anesthetic module

Mark Vallee
- DEN/DENQ 3619 Didactic Prosthodontics III
- DEN/DENQ 3618 Clinical Prosthodontics III
- DEN 4616 Prosthodontics IV
- DENQ 3001 Periodontology Summer Module

Tammy Wright
- DEN/DENQ 3719 Periodontology III
- DEN 4219 Periodontology IV
- DENQ 3001 Periodontology Summer Module

2) Postgraduate Curriculum

Ross Anderson
- Pediatric Dental General Practice Residency Attending Staff
- Pediatric Resident Training, IWK Health Centre
- ERP Fellow and Resident Training, IWK Health Centre

Dr. Tracy Doyle
- Pediatric Dental General Practice Residency Attending Staff

Dr. Heather Dyment
- Pediatric Dental General Practice Residency Attending Staff

Dr. Jennifer MacLellan
- Pediatric Dental General Practice Residency Attending Staff

3) Elective - Undergraduate Students Supervised

Cynthia Andrews
- DEN 1503 Periodontics Clinical Teaching Elective

Ron Bannerman
- DEN 4509 Implant Elective

Gorman Doyle
- DEN 4509 Implant Elective

Ed Ghiabi
- DEN 4510 Surgical Periodontics Elective
- DEN 4509 Implant Elective

Ferne Kraglund
- DEN 4517 Dental Public Health Elective
- DEN 4508 ART Elective

Robert Loney
- DEN 4509 Implant Elective

Richard Price
- DEN 4507 ART Elective

Kathy Russell
- DEN 4508 Orthodontic clinical elective

Mark Vallee
- DEN 4509 ART Elective
- DEN 4509 Implant Elective

4) Faculty of Graduate Studies

5) Graduate Thesis Committees

6) External to Dalhousie University

Ross Anderson
- External reviewer: M.Sc. candidate Dr. Sonia Sun-He Chung, “Validation of access targets for elective dental treatment of children under general anaesthesia” University of Toronto

Debora Matthews
- American Dental Association, Evidence Based Dentistry. Evidence Reviewer Workshop Leader

Annual Report 2009 17
illness and disability, patient/client-centred care, and interprofessional collaboration. The program, sponsored by the Faculties of Medicine, Dentistry, Health Professions, Science and Computer Science, encompassed 17 professional programs and included over 550 students. It involved the creation of a unique curriculum integrated into the academic programs of all participating health professional programs. Served on main committee and the following sub-committees: Research and Evaluation; Student Learning, Assessment and Supervision. Served as a faculty supervisor for 16 students on four interprofessional teams.

- DENT1511: Introduced the use of OWL space discussion forum for a course assignment: students uploaded websites or literature related to periodontics and were required to critique the credibility of their own submission as well as that of two classmates’ postings.
- Med 1 undergraduate curriculum development: coordinator for creation and implementation of the Oral Medicine component: lecture, tutorial and lab.

Linda Cochrane
- Designed and implemented a daily clinic grading system for DDS 3

Wayne Garland
- Digital Radiographic Guidelines for Endodontic II Faculty
- Developed courses for Graduate Periodontics Program:
  - PERI 5100 Basic Sciences for Graduate Dentistry
  - PERI 5110 Clinical Periodontics I
  - PERI 7130 Graduate Dentistry Seminars
  - PERI 7150 Literature Review in Periodontics

Ed Ghiabi
- Developed courses for Graduate Periodontics Program:
  - DEN/DENQ 3619 Didactic Prosthodontics II
  - DEN/DENQ 4217 Clinical Endodontics

Sachin Seth
- Curriculum Development/Review: Part of a task force to examine and restructure the Patient Care curriculum.
- Discovery Days: Workshop for eight high school students as a means to expose them to dentistry.
- Case writing/review for first year Dalhousie University Faculty of Medicine oral health unit.

2) Instructional Resources Development

Blaine Cleghorn
- A web-based course in Dental Anatomy was developed in 2010-2011 using SoftChalk*. The course material is currently being utilized by DDS/DMD programs at Dalhousie University, the University of Manitoba and East Carolina University.
- A web-based Mock OSCE exam has been developed as a study aid for the NDEB OSCE examination and has been endorsed by the 10 Canadian Dental Faculties. The program is currently being translated into French.

Tracy Doyle
- An instructional video on primary tooth pulp therapy has been incorporated into Paed Dent 2400) curriculum.

Wayne Garland
- Developed Digital Videos for student self learning

resources in the preclinical course DENT 2611, Removable Prosthodontics II (http://removpros.dentistry.dal.ca/RemovSite/Welcome.html). Students can view movies, quizzes or presentations prior to class or clinic to refresh their recall of clinical procedures. Our website is now officially used by 7- other dental faculties throughout North America recent additions including the Universities of Pennsylvania, Minnesota and Nevada as well as Temple University and LaTrobe University in Australia. Our website has recently been ranked as 3rd most frequent hit on Google searches for ‘removable prosthodontics’. The Prosthodontic Olympics was once again successful in aiding student learning in removable prosthodontics.

Debora Matthews
- Ongoing development of General Practice Residency program
- Ongoing application for accreditation for Graduate Periodontics Program
- Developed courses for Graduate Periodontics Program:
  - PERI 5120: EBD and Biostatistics
  - PERI 7120: Research Practicum

C. Administrative Activities Related to 1) Course Director Positions

Ross Anderson
- Program Director Paediatric Dental General Practice Residency
- DEN 5400 Hospital Clinical Paediatric Dentistry and Medicine
- DEN 5401 – Nitrous Oxide Inhalation Sedation and Oral Sedation in Children
- DEN 5514 – Becoming a Dental Educator
- DENQ Pediatric Dentistry Summer Module
- DEN 4507 Pediatric Dentistry Elective

Cynthia Andrews
- DEN 1511 Periodontology
- DEN 1503 Periodontics Clinical Teaching Elective
- Coordinator for Interprofessional Education at the Faculty of Dentistry

Ron Bannerman
- DEN/DENQ 3617 - Implant Dentistry III

Blaine Cleghorn
- DEN 4212 - Clinical Comprehensive Patient Care IV
- DEN/DENQ 3212 - Clinical Comprehensive Care III
- DEN 1611 – Occlusion I

Linda Cochrane
- DEN/DENQ 3618, Clinical Prosthodontics III
- DEN 2511 Periodontics II

Gorman Doyle
- DENQ 3001 Cariology C Module
- DEN 4509 Dental Implant Elective

Heather Dyment
- DEN 4400 Pediatric Dentistry

Wayne Garland
- DEN 2412 Cariology II
- DEN 2413 Endodontics II
- DENQ 3001 Cariology B Summer Module
- DENQ 3001 Endodontic Summer Module
- DEN/DENQ 3217 Clinical Endodontics
- DEN/DENQ 4217 Clinical Endodontics

Jack Gerrow
- DEN/DENQ 3619 Didactic Prosthodontics II

Ed Ghiabi
- Director of Graduate Periodontics
- DEN 4223 Periodontology IV
- DEHY 3017 Clinical Periodontics
- DEN 4510 Surgical Periodontics

**Greg Jones**
- DEN 4211 Patient Care

**Mark Knechtel**
- DEN 2211/2212 Patient Care II
- DEN/DENQ 3220 Treatment Planning III
- DEN 4220 Treatment Planning IV

**Ferne Kraglund**
- DEN 4517 Dental Public Health Elective

**Chris Lee**
- DEN/DENQ 3211 Patient Care II
- ER clinic and Multiservice clinic

**Robert Loney**
- DEN 2611 Removable Prosthodontics II

**Jennifer MacLellan**
- DEN/DENQ 3400 Pediatric Dentistry

**Debora Matthews**
- DEN 2512 Evidence-Based Dentistry
- DEN/DENQ 3219 Evidence-Based Dentistry

**Mary McNally**
- Subject area coordinator Dental Law and Ethics, DDS1-4

**Richard Price**
- DEN 4708 ART Elective

**Sachin Seth**
- DENT 1411 Patient Care I
- DENT 1211 Cariology I
- DENT 3001 Cariology A

**Kathy Russell**
- DEN 4818 Orthodontics
- DEN/DENQ 3818 Orthodontics
- DEN/DENQ 2311 Growth and Development

**Mark Vallee**
- DEN/DENQ 4616 Prosthodontics IV

**Linda Cochrane**
- Prosthodontic Advisor

**Gorman Doyle**
- Implementation of Clinical Implant Therapy for all DDS 4 students
- Prosthodontic Advisor

**Jack Gerrow**
- Assisted with development of evaluation procedures for undergraduate courses and for the new graduate Periodontics program

**Ferne Kraglund**
- Pros/peri advisor sessions
- Development of Natuashish rotation in Labrador
- Development of North End Community Health Centre (NECHC) dental clinic and rotation
- Development of dental preschool screenings at NECHC
- Involvement of students in Halifax Connects (Oct. 24, 2010; May 29, 2011)

**Robert Loney**
- Prosthodontic Advisor

**Debora Matthews**
- Health Mentors Advisor

**Kathy Russell**
- All courses now have exams converted to the NDEB format to allow statistical analysis and validity of examination format and content

**Sachin Seth**
- Prosthodontic Advisor
- Health Mentors Advisor

**Cynthia Andrews**
- Created online survey for DDS1 students to provide feedback on each clinical instructor in D1511 to enable course instructional improvement.
- As member of research and evaluation sub-committee for the Dalhouse Health Mentors program, helped create online program evaluation survey for 600 students.

**Ron Bannerman**
- Continuing Education in Dentistry Committee
- DDS Academic Standards Sub-Committee
- Dental Hygiene Academic Standards Sub-Committee
- Main Academic Standards Committee
- DDS Curriculum Sub-Committee
- Dental Hygiene Curriculum Sub-Committee
- Main Curriculum Committee

**Linda Cochrane**
- Dentistry Academic Standards Subcommittee III
- Faculty Development Committee

**Gorman Doyle**
- Continuing Education Committee
- Dentistry Curriculum Committee
- Tenure and Promotion Committee
- Prosthodontic Search Committee
- OMFS Search Committee

**Tracy Doyle**
- Dentistry Academic Standards Subcommittee II
- Paediatric Dental General Practice Residency Academic Standards Committee

**Heather Dyment**
- Dentistry Academic Standards Subcommittee II
- Paediatric Dental General Practice Residency Academic Standards Committee

**Wayne Garland**
- Main Academic Standards Committee
- Dentistry Academic Standards subcommittee II, III, IV, QPS

**Jack Gerrow**
- Dentistry Academic Standards subcommittee I

**Ed Ghiabi**
- Dentistry Academic Standards Subcommittee II
- Dentistry Curriculum Committee
- Graduate Periodontics Admissions Committee
- Faculty Research and Development Committee

**Mark Knechtel**
- Dentistry Academic Standards subcommittee II, III, IV
- Academic and Clinical Coordinating Committee
- Dental Hygiene Local Anesthetic Committee
- Computer Charting Committee
- Ad Hoc Medical Update Committee

**Chris Lee**
- Dentistry Academic Standards subcommittee III

**Robert Loney**
- Dentistry Academic Standards subcommittee II

2) **Particular Aspects of Course Implementation, Evaluation**

**Cynthia Andrews**
- Created online survey for DDS1 students to provide feedback on each clinical instructor in D1511 to enable course instructional improvement.
- As member of research and evaluation sub-committee for the Dalhouse Health Mentors program, helped create online program evaluation survey for 600 students.
D. Awards for Teaching

Ross Anderson
- W.W. Wood Award for Excellence in Dental Education
- Scholarship of Teaching and Learning Certificate – American Dental Educators Association

Cynthia Andrews
- Scholarship of Teaching and Learning Certificate – American Dental Educators Association

Blaine Cleghorn
- Association of Canadian Faculties of Dentistry National Teaching Award

Gorman Doyle
- Faculty of Dentistry, Dalhousie University Clinical Teaching Award for Full Time Faculty

Jack Gerrow
- Association of Canadian Faculties of Dentistry Distinguished Service Award

Mark Vallee
- Dalhousie Dental Students Society Honour Award

IV. Papers, Books And Reports

A. 2010/11 Publications

Ross Anderson

Blaine Cleghorn

Tracey Doyle
- Doyle, T, Casas, M J, Kenny, D, Judd, P: MTA produces superior outcomes in vital primary molar pulpotomy. Paediatric Dentistry, 2010, Jan-Feb;32(1):14-7,

Heather Dyment

Jack Gerrow

Ed Ghiabi

Greg Jones
- Presentation “Data Gathering, Outcome versus Output Measures for Oral Health Programming” at Federal Government Oral Health Care Meeting

Chris Lee
- Managing pregnant patients with dental emergencies. JCDÆ express review article Issue 3 2011

Jennifer MacLellan

Debora Matthews
- Matthews DC. No difference between 0.12% and 0.2% chlorhexidine mouthrinse on reduction of gingivitis. Evid Based Dent 2011; 12 (1): 8-9
- Matthews DC. Multifaceted strategy needed to improve dentists’ adherence to evidence-based guidelines. Evidence Based Dentistry Journal 2010; 11(2):40
- Matthews DC. Weak evidence to support benefit of periodontal maintenance therapy in prevention of tooth loss. Evidence Based Dentistry Journal 2010; 11(3):75-6
- McNally ME, Matthews DC Oral health of immigrants and refugees: evidence for physician’s role. IADR 2011 (abstract) San Diego
Mary McNally

Richard Price
- Price RB, Fahey J, Felix CM. Knoop hardness of five composites cured with single-peak and polywave LED curing lights. Quintessence Int 2010;41.e181-191
- Price RB, Labrie D, Rueggber FA, Felix CM, Fahey J. Irradiance differences in the violet (405 nm) and blue (460 nm) spectral ranges among dental light curing units. J Clin Oral Investig. ePub: 2011/05/13
- Price RB, Labrie D, Whalen, M, Felix CM. Effect Of Distance On Irradiance And Beam Homogeneity From Four LED Curing Units. J Can Dent Assoc 2011;77:b9
- Price RB, Fahey J, Felix CM. Effect of infection control barriers on curing light output. IADR 2011 Abstract # 2534
- Lee C, Price RB, Felix CM. Effect of infection control barriers on curing light output. IADR 2011 Abstract # 2534
- Kazami S, Lee C, Felix CM Manufacturer’s Tip Irradiance vs. Dental Radiometer Reading vs. Irradiance Delivered. IADR 2011 Abstract # 261
- Price RB, Kazami S, Lee C, Felix CM. The Importance of Stating Disaggregated Irradiance Values from Curing Light. IADR 2011 Abstract # 1785

Kathy Russell

Sachin Seth

Tammy Wright
- Wright TL. JCD A Express Issue 3, 2011. Clinical question: What are the relative advantages and disadvantages of free gingival grafts versus connective tissue grafts?

B. 2010/11 Papers in Press

Blaine Cleghorn
- Blaine Murray Cleghorn DMD MS, William Herbert Christie DMD MS FRCD(C) and Noriko B. Boorberg BSc(H), D.M.D., M.Ed, Primary Human Teeth and their Root Canal Systems, Endodontic Topics

Debora Matthews
- Matthews DC. There is no evidence that oral health promotion improves periodontal health in cardiovascular patients. Journal of Evidence-Based Dental Practice 2011 (in press)

Mary McNally
- Kevin Pottie MD MCIsC, Christina Greenaway MD MSc, John Feightner MD MSc, Vivian Welch MSc PhD, Helena Swinkels MD MHSc, Meb Rashid MD, Lavanya Narasiah MD MSc, Laurence J. Kirmayer MD, Erin Ueffing BHSc MHSc, Noni E. MacDonald MD MSc, Ghayda Hassan PhD, Mary McNally DDS MA, Kamran Kahn MD MPH, Ralf Buhrmann MDCM PhD, Sheila Dunn MD MSc, Arunmozhi Dominic MD, Anne E. McCarthy MD MSc, Anita J. Gagnon MPH PhD, Cécile Rousseau MD, Bhushan Helberson MD, Kevin Pottie MD MClSc, Christina Greenaway MD MSc, John Feightner MD MSc, Vivian Welch MSc PhD, Helena Swinkels MD MHSc, Meb Rashid MD, Lavanya Narasiah MD MSc, Laurence J. Kirmayer MD, Erin Ueffing BHSc MHSc, Noni E. MacDonald MD MSc, Ghayda Hassan PhD, Mary McNally DDS MA, Kamran Kahn MD MPH, Ralf Buhrmann MDCM PhD, Sheila Dunn MD MSc, Arunmozhi Dominic MD, Anne E. McCarthy MD MSc, Anita J. Gagnon MPH PhD, Cécile Rousseau MD, Peter Tugwell MD MSc, and coauthors of the Canadian Collaboration for Immigrant and Refugee Health. Evidence-based clinical guidelines for immigrants and refugees. CMAJ 2011 (in press)

Mary McNally
C. Papers Read at Meetings

**Chris Lee**
- Effect of Infection Control Barriers on Curing Light Output (AADR, San Diego, March 2011)

**Ed Ghiabi**
- Assessment of Professional Competence in North American Graduate Periodontics Programs, 88th General Session, IADR, Barcelona, Spain, July 2010

**Mary McNally**

**Debora Matthews**

**Kathy Russell**

**D. Papers Submitted**

**Ross Anderson**

**Tracy Doyle**

**Heather Dyment**

**Ed Ghiabi**

**Mark Knechtel**

**Ferne Kraglund**
- Kraglund F, Limeback H. Chapter 15: Caries Risk Assessment; Comprehensive Preventive Dentistry (a textbook edited by Dr. Hardy Limeback for Wiley-Blackwell)

**Jennifer MacLellan**

**Debora Matthews**

**Sachin Seth**
E. Invited Lectures

Ross Anderson
- Early Childhood Caries: A Common Medical Comorbidity for Premies
  • February, IWK Perinatal Unit, IWK Health Centre, Halifax, Nova Scotia, February 2011
- Early Childhood Caries: Code Purple and nowhere to go: Partnering to Reverse the Trend
  • 29th Annual and 12th Memorial Feasby Lecture, October 2010, Schulich School of Medicine and Dentistry, University of Western, London, Ontario
- Presentation to Cape Breton Regional Municipality, Fluoride Debate Sydney NS – April 19, 2011
- Presentation to Moncton City council, Moncton NB – June 8, 2011

Cynthia Andrews
- Invited representative: Northern District Health Authorities, Stellarton NS: Interprofessional Education Forum, September 22, 2010
- Lecture: International Medical Exchange Scholars, (FoM, Halifax): Interprofessional Education and the Dalhousie Health Mentors Program, October 26, 2010
- Invited representative: Capital District Health Authority, Halifax, NS: Interprofessional Education Forum, January 20, 2011
- Faculty development session, Dept of Family Medicine, Halifax: Interprofessional Education Faculty Development Department of Family Medicine, January 27 2011
- Lecture: Resident elective in Medical Education (FoM Halifax): Interprofessional Education and the Dalhousie Health Mentors Program, February 28, 2011
- Presentation: 12th annual symposium on medical / health professions education (FoM Halifax); Seismic Shifts in Interprofessional Health Education: The Health Mentors Program, FMEC Recommendation VIII, and Re-aligning the Core. C Andrews, S Doucet, G Kephart, S Nasser, March 18, 2011
- Presentation: Reporting on the Canadian Conference of Medical Education Meeting (FoM Halifax), June 8, 2011

Blaine Cleghorn

Gorman Doyle
- Alumni Lecture Series on behalf of Dalhousie University in Moncton, NB and St. John's NL

Ferne Kraglund
- Public Health Dentistry in Nova Scotia, Annapolis Valley Dental Society (Sept. 23, 2010)
- Frontline Health Initiative Speakers Series, Dental Outreach (Nov. 24, 2010)
- Access to Care, Dalhousie University Dental Assistants (Dec. 9, 2010)
- Clinical Application of Caries Risk Assessment, Faculty Development (May 10, 2011)

Chris Lee
- Pharmacology in Dentistry lecture to the Annapolis Valley Dental Society (Nov 18th, 2010)

Robert Loney

Mary McNally

Richard Price
- November 2010 Invited lecture on Dental Curing Lights and demonstrated MARC™. American Dental Association, Chicago

Sachin Seth
- Faculty Development – Introduction to OWL/Blackboard Learning
- Poster Presentation IADR - Effect of time and Temperature on the setting of Dual Cure Resin Cements in the Absence of Light

Mark Vallee
- Atlantic Implant Study Club (Lecturer)
- NobelBiocare Esthetic Alliance Program (Lecturer)

F. Reports/Technical Papers

Ross Anderson
- Annual Report to the Department of Health, IWK Health Centre Department of Dentistry Alternative Funding Plan, September, 2010
- IWK Department of Dentistry Annual Report to Medical Advisory Committee, May 2011

Cynthia Andrews
- Promotional Video for Dalhousie Bold Ambitions Campaign: Interprofessional Health Education, November 18, 2010
- Dalhousie Dentistry Alumni Anchor Article Interprofessional Health Education, November 18, 2010
- Dalhousie Dental and Dental Hygiene Students, March 15, 2011
- Poster presentation ADEA March 15, 2011 San Diego Dalhousie Health Mentors Program; An Interprofessional Experience with Stories of Chronic Conditions, March 15, 2011
- Poster presentation ADEA March 15, 2011 San Diego Dalhousie Health Mentors Program; An Interprofessional Experience with Stories of Chronic Conditions, March 15, 2011
- Co-author on Poster at NSDHA conference: Interprofessional Learning Modules for Dentistry and Dental Hygiene Students, May 7, 2011

Blaine Cleghorn

Richard Price
- Patent applied for through Dalhousie University Method And System For Measurement Of Curing Energy Delivered During Simulated Dental Restorations
V. Research Activities

A. Completed During the Year

Cynthia Andrews
• Developing Capacity for Interprofessional Collaboration and Research: A team development grant
  Funding: NSHRF-REDI Award $8065.00
  Role: collaborator
  Date: Sept 10, 2010

Blaine Cleghorn
• Validating OCT and Raman spectroscopy for assessment of tooth de/remineralization.
  Funding: National Institutes of Health- National Institute of Dental and Craniofacial Research- $1,078,480 US Funds
  ($1,192,754 CDN Funds)
  Role: Co-Investigator (Choo-Smith, L-P, Cleghorn, BM, Dawes, C, Dong, C, Hewko, M, Ko, A, Sowa, M, Toppart, P and Wiltshire, W.)
  Date: 2006 to 2010
• Detection and monitoring changes in mineralized tissues or calcified deposits by optical coherence tomography and Raman spectroscopy.
  Role: Co-Investigator (Choo-Smith, L-P, Cleghorn, BM, Dawes, C, Dong, C, Hewko, M, Ko, A, Sowa, M, Toppart, P and Wiltshire, W.)
  Date: 2010

Greg Jones
• Retrospective Study to Compare Long Term Clinical Performance of Posterior Amalgam and Composite Restorations
  Funding: Funded by Health Canada FNIHB
  Role: Co-investigator
  Date: 2010

Ed Ghiabi
• The oral health status and access to oral health services of recent immigrants and refugees in Nova Scotia
  Funding: Nova Scotia Health Research Foundation ($15,000)
  Role: Co-Principal Investigator (D. Matthews)
  Date: 2010-11

Debora Matthews
• The oral health status and access to oral health services of recent immigrants and refugees in Nova Scotia
  Funding: Nova Scotia Health Research Foundation ($15,000)
  Role: Co-Principal Investigator (P: E. Ghiabi)
  Date: 2010-11

B. Projects in Progress

Ross Anderson
• Evaluating Paediatric Oral Education in the Canadian Medical Curriculum
  Funding: $5000
  Date: 2011

Debora Matthews
• Oral Care in Continuing Care Settings: Collaborating to Improve Policies and Practices (Year 3)
  Funding: NSHRF Operating Grant - Collaborative Health Research Project: $49,969
  Role: Co-Investigator (PI: M. Goldberg)
  Date: 2010-2011

Mary McNally
• Oral Care in Continuing Care Settings: Collaborating to Improve Policies and Practices (Year 3)
  Funding: NSHRF Operating Grant - Collaborative Health Research Project: $49,969
  Role: Principle Investigator
  Date: 2010-2011

Richard Price
• An Evaluation of Six Light-Emitting Diode Curing Lights to Cure Two Composites at a Distance of 4 and 8 mm From the End of the Light Guide
  Funding: Ivoclar-Vivadent Research Contract, $ 8,395
  Role: PI
  Date: September 2010

Mary McNally
• Changing Demographics: The Oral Health of our Aging Population
  Funding: NSHRF Regional Partnership Program ($278,268); [CIHR ($139,134), NSHRF ($69,567); Health Canada ($72,000)]
  Role: Co-Investigator (PI: D. Matthews, J. Clovis)
  Date: 2007 – 2010

C. Projects in Progress

Chris Lee
• working with Dr. Price on an educational component to MARC

Richard Price
• Development and evaluation of the MARC system (Managing Accurate Resin Curing).

Kathy Russell
• Americleft Project
  Funding: $217,000 US
  Role: Co-PI (R Long, R Hathaway, J Daskalogiannakis, A Mercado, G Semb, W Shaw)
  Date: 2006-2011

D. Undergraduate Student Research Supervision

Ross Anderson
• Table clinic supervisor
  The effect of early childhood caries on the normal growth and development of children – Ranu Amanpreet
  Molar incisor hypomineralization with post-eruptive breakdown. The dollars and sense (cents) of restorative versus extractions – Safa Shawkat
  Barriers to care – Curtis White
  Medical Research Summer Student -Evaluating Paediatric Oral Education in the Canadian Medical Curriculum Thor Christensen
Alveolar Bone Preservation: Providing a Strong Foundation for Future Implants - Simardeep Hundal

G. Awards for Research

Cynthia Andrews
- Scholarship of Teaching and Learning Certificate from ADEA
- Developing Capacity for Interprofessional Collaboration and Research: A team development grant
Funding: NSHRF-REDI Award $8065.00
Role: collaborator
Date: Sept 10, 2010

Ferne Kragland
- Labrador Aboriginal Children's Oral Health Survey
Funding: Atlantic Region First Nations and Inuit Health - Health Canada Contribution Agreement: ($95,782)
Role: Co-Investigator (PI: D Martin, M. McNally, H Castleden)
Date: 2011 – 14

Debora Matthews
- 'Kungatsiajuk’: Supporting the Healthy Smiles of NunatuK
Funding: CIHR Operating Grant – Institute of Aboriginal Peoples’ Health Award: ($387,576)
Role: Co-Investigator (PI: D Martin, M. McNally, H Castleden)
Date: 2011 – 14

Debora Matthews
- 'Kungatsiajuk’: Supporting the Healthy Smiles of NunatuK
Funding: CIHR Operating Grant – Institute of Aboriginal Peoples’ Health Award: ($387,576)
Role: Co-Investigator (PI: D Martin, M. McNally, H Castleden)
Date: 2011 – 14

Jeffrey Price
- Summer Research
Coralie Ayer, Evaluation of the MARC system and an Evaluation of Dentin Bonding Agents: An in vitro study
Mitche1 Young, Research Assistant. Real Time Light Transmission through Dental Resins

Sachin Seth
- Prosthodontic Advisor

Mark Vallee
- Table clinic supervisor

E. Postgraduate Student Research Supervision

F. Graduate Student Research Supervision

Debora Matthews
- Elizabeth Daniels (Masters of Applied Health Research, Class of 2010, University of New Brunswick). "Management of Drug-Induced Xerostomia in Older Adults: A Systematic Review of Intervention Studies" (Co-supervisor)
Date: 2011 – 14

Mary McNally
- Elizabeth Daniels (Masters of Applied Health Research, Class of 2010, University of New Brunswick).
Date: 2011 – 14
• Aboriginal health research and the academy: Ethical tensions and institutional barriers for new scholars seeking to do community-based research “in a good way”
  
  Funding: CIHR Ethics Catalyst Grant: $99,740
  
  Role: Co-Principle Investigator (H Castleden, D Martin)
  
  Date: 2011 – 13

• Brushing up on mouth care: caregiver centered knowledge translation to address the complex care needs of persons with dementia
  
  Funding: Canadian Dementia Knowledge Translation Network (CIHR), Knowledge Translation Award: ($25,000)
  
  Role: Principle Investigator
  
  Date: 2011 – 12

• Labrador Aboriginal Children’s Oral Health Survey
  
  Funding: Atlantic Region First Nations and Inuit Health - Health Canada Contribution Agreement: ($95,782)
  
  Role: Co-Principle Investigator (Ferne Kraglund).
  
  Date: 2011 – 12

VI. Professional Development

A. Major Meetings Attended

Ross Anderson
• Canadian Academy of Paediatric Dentistry, Ottawa, ON. September 2010
• American Academy of Paediatrics, Chapter Oral health Section meeting, November, 2010
• American Academy of Paediatrics, Oral Health Advisory Committee, 2011
• Chief’s of Dentistry of Canadian Children’s Hospitals Meeting, London, ON, May 2011
• International Academy of Paediatric Dentistry, Athens, Greece, June 2011

Cynthia Andrews
• American Dental Education Association Annual Meeting, San Diego, CA, March 12-16, 2011
• Canadian Conference on Medical Education Annual Meeting, Toronto, ON, May 8-10, 2011

Blaine Cleghorn
• Annual General Session of the American Dental Educators Association, San Diego, CA, January 2011

Linda Cochrane
• NDEB Calibration Workshop-Assessment of Clinical Skills. June 9, 2011

Gorman Doyle
• Canadian Academy of Restorative Dentistry Meeting, Calgary AB, October, 2010.
• Implants 2.0: Current Concepts and Realities of Dental Implant Therapy

Tracy Doyle
• American Academy of Paediatric Dentistry, New York, NY, May 2011

Heather Dyment
• Canadian Academy of Paediatric Dentistry, Ottawa ON, September 2010.
• Royal College of Dentists of Canada Meeting, June 2011

Ed Ghiabi
• General Session and Exhibition IADR Barcelona, July 2010

Greg Jones
• Pacific Dental Conference, Journee Dentarie

Mark Knechtel
• NDEB Calibration Workshop-Assessment of Clinical Skills June, 2011

Chris Lee
• General Session and Exhibition IADR/AADR/CADR, San Diego, March 2011

Jennifer MacLellan
• Canadian Academy of Paediatric Dentistry, Ottawa ON, September 2010

Debora Matthews
• General Session and Exhibition IADR Barcelona, July 2010
• General Session and Exhibition IADR/AADR/CADR, San Diego, March 2011
• CDA Interim General Assembly, Ottawa, April 2011

Richard Price
• General Session and Exhibition IADR/AADR/CADR, San Diego, March 2011

Kathy Russell
• American Association of Orthodontics Scientific Conference, Chicago, Il. May, 2011
• American Cleft Palate Association 68th Conference, San Juan, Puerto Rico, April, 2011.
• Canadian Association of Orthodontics Conference / Scientific Meeting, Whistler Sept. 2010

Sachin Seth
• General Session and Exhibition IADR/AADR/CADR, San Diego, March 2011

Tammy Wright
• Canadian Academy of Periodontology Annual Meeting, Mont Tremblant, June 2011

Robert Loney
• Annual Meeting, College of Dental Surgeons of Saskatchewan, Saskatoon, SK. Sept. 10 2010.
• Association for Continuing Dental Education, New York, NY.
B. Courses Attended

Cynthia Andrews
- Master in Education (Curriculum Studies) Courses: EDUC 5643 N4: Major Theoretical Developments in Curriculum Studies; July 5-Aug 18, 2010
- EDUC 50G3: Research Literacy; Sept 14-Dec 7, 2010
- EDUC 5663: Curriculum Practice; Jan 11-Mar 29, 2011
- EDUC 5843: Instructional Design; Jan 11-Mar 29, 2011
- EDUC 5713Q3: Readings in Education; May 3-July 4, 2011
- EDUC 5153Q3: Project in Education; May 3-July 4, 2011
- iMedEd CE course on webinars (Dalhousie), September 14, 2010
- Analysis and Presentation of Likert Scale Data (IWK), September 28, 2010
- T J Murray Visiting Scholar in the Medical Humanities Medicine as a Moral Practice, October 6, 2010
- Introduction to Refworks (IWK), October 15, 2010
- Cudmore Lecture & Workshop: Teaching Clinical Reasoning (Dalhousie), May 18/19, 2011
- Faculty of Medicine Education Steering Committee Stakeholders Meeting, June 10, 2011
- Multiple: Dentistry Lunch and Learn sessions

Linda Cochrane
- Direct Composites, Dr. Bergeron, Dalhousie University Continuing Dental Education November 27, 2010
- Implant Dentistry, Dalhousie Faculty of Dentistry Dalhousie University Continuing Dental Education, December 4, 2010
- CPR Health Care Professions Recertification, Dalhousie Faculty of Dentistry Dalhousie University Continuing Dental Education, December 4, 2010
- Prosthodontic Study Club, Dalhousie Faculty of Dentistry 2010-2011
- Halifax County Dental Society, 2010-2011
- Faculty Retreat, New Models of Clinical Teaching: Towards Development of Action Plans for the Future, 06 June 2011.
- Several Faculty Development Lunch Presentations

Tracy Doyle
- Faculty Retreat, New Models of Clinical Teaching: Towards Development of Action Plans for the Future, 06 June 2011.

Wayne Garland
- TMD/Orofacial Pain, Dr. Michael Goldberg, Continuing Dental Education, Dalhousie University, 25 September 2010.
- Faculty CPR Health Care Professions Recertification plus AED, St. John Ambulance, 29 September 2010.
- Indications & Limitations of Nonsurgical & Surgical Periodontal Therapy in General Practice, Dr. Jim Lai, Continuing Dental Education, Dalhousie University, 30 October 2010.
- Halifax County Dental Society, Digital Photography Tips for the Dental Office, Dr. Scott MacLean, 17 November 2010.
- Keys to Improve Direct Composite Restorations, Dr. Cathia Bergeron, Continuing Dental Education, Dalhousie University, 27 November 2010.
- Halifax County Dental Society, What is Sustainability?, Steven Mannell, 12 January, 2011.
- Halifax County Dental Society, Paediatric Dentistry Update, Dr. Tracy Doyle, 09 February, 2011.
- Student Table Clinics, Dalhousie University’s Faculty of Dentistry, 11 February 2011.
- Halifax County Dental Society, Suresmile Technology, Dr. Dan Stuart, 09 March, 2011.
- Advanced Endodontics for the General Dentist, Dr. Stephen Niemczyk, Continuing Dental Education, Dalhousie University, 26 March 2011.
- Halifax County Dental Society, Annual General Meeting, 13 April, 2011.
- Dental Implants: Planning, Utilization and Maintenance, Dr. Julie A. Holloway, Continuing Dental Education, Dalhousie University, 30 April 2011.
- Faculty Retreat, New Models of Clinical Teaching: Towards Development of Action Plans for the Future, 06 June 2011.

Mark Knechtel
- Faculty Retreat, New Models of Clinical Teaching: Towards Development of Action Plans for the Future, 06 June 2011.
- Direct Composites, Dr. Bergeron, Dalhousie University Continuing Dental Education, November 27, 2010
- Implant Dentistry, Dalhousie Faculty of Dentistry, Dalhousie University Continuing Dental Education, December 4, 2010
- CPR Health Care Professions Recertification, Dalhousie Faculty of Dentistry, December 6, 2010
- Prosthodontic Study Club, Dalhousie Faculty of Dentistry, 2010-2011
- Halifax and County Dental Society, 2010-2011

Ferne Kraglund
- ISIS workshop: Health of immigrants (Jan. 27, 2011)
- NSDA Access to Care Working Group (Consultant) (Dec 4, 2010)
- CPR recertification (Dec. 6, 210)
- RCDC Examiner Training Workshop (June 1-5, 2011)
- Faculty Retreat, New Models of Clinical Teaching: Towards Development of Action Plans for the Future, 06 June 2011.
- Various Faculty development lectures

Chris Lee
- Pharmacology & Therapeutics Update (presenter: Dr. C. Foong)
- Faculty Retreat, New Models of Clinical Teaching: Towards Development of Action Plans for the Future, 06 June 2011.

Robert Loney
- Jo-Ann Clovis. Use of Distance Technologies – Experience from Scotland, Feb 9, 2011
- Curtis Gregoire. Digital Radiography Refresher Faculty Development, April 7, 2011
- Heather Conrad. Space of a Smile, Faculty of Dentistry, Dalhousie University, May 5, 2011

Jennifer MacLellan
- Faculty Retreat, New Models of Clinical Teaching: Towards Development of Action Plans for the Future, 06 June 2011.
- NDEB Workshop, Ottawa On, October 2010

Christian Marquez
- Indications & Limitations of Nonsurgical & Surgical Periodontal Therapy in General Practice, Dr. Jim Lai, Dalhousie University, Faculty of Dentistry, October 30, 2010.
- Faculty Retreat, New Models of Clinical Teaching: Towards Development of Action Plans for the Future, 06 June 2011.

Debora Matthews
- American Dental Association Evidence Reviewers Workshop, Temple University, Philadelphia. August 2010
- Tenure and Promotion Workshop for Academic Leaders, Dalhousie University. September 2012
- TMD/Orofacial Pain (M. Goldberg). Continuing Dental Education and Alumni Affairs
- Dalhousie University, October 2010
VII. Service Commitments

A. Departmental

Ross Anderson
- Head, Pediatric Dentistry

Gorman Doyle
- Head, Division of Implant Dentistry

Wayne Garland
- Head Division of Endodontics

Mark Knechtel
- Head, Division of Comprehensive Care

Robert Loney
- Head, Division of Fixed Prosthodontics

Debora Matthews
- Chair, Department of Dental Clinical Sciences

Christian Marquez
- Head, Division of Periodontics

Mary McNally
- Head, Division of Oral Health Promotion and Prevention

Richard Price
- Head, Division of Fixed Prosthodontics

Kathy Russell
- Division Head, Orthodontics

B. Faculty

Ross Anderson
- Harbourview School clinic, Dartmouth
- Nelson Whynder School clinic, North Preston
- Past President, Medical Dental Scientific Staff, IWK Health Centre

- Member IWK Health Centre, Medical Advisory Committee
- Children’s Operating Room Committee
- Credentials Committee

Cynthia Andrews
- Chair Academic Awards Committee
- Member, Academic Planning Renewal Committee
- Health Mentors Program Main Committee
- Health Mentors Program Research and Evaluation Sub-Committee
- Health Mentors Program Student Learning, Assessment and Supervision Sub-Committee
- Program in Health and Medical Education Research Group
- Organizer, Astra Zeneca Frontline Health Oral Health Panel

Ron Bannerman
- Assistant Dean for Academic Affairs
- Faculty of Dentistry Academic Integrity Officer
- Chair Admissions Committee
- Member Alumni Relations Committee, 2001-present
- Dean’s Advisory Council

Blaine Cleghorn
- Assistant Dean, Clinics & Building Services
- Chair Main Academic Standards Committee
- Main Curriculum Committee
- Academic and Clinic Coordinating Committee
- Committee on Infectious Diseases
- Chart Audit Sub-committee
- Member Senate Computing and Information Technology Planning Committee
- Dentistry Curriculum Sub-committee
- Dental Hygiene Curriculum Sub-committee
- Faculty Executive Council
- Academic Resources Committee
- Dean’s Advisory Council
- Ad Hoc Committee on Management of Dental Emergencies

Wayne Garland
- Director, Qualifying Program
- Chair Academic Standards Class Committee II

Mark Knechtel
- Member Academic Awards Committee
- Member Environmental Health and Safety Committee
- Central Sterilization- Hand Instrument Sharpening

Ferne Kraglund
- Member Interprofessional Health Education Ad-Hoc Committee
- Conduct admission interviews
Chris Lee  
• Chair  
Faculty Development Committee  

Robert Loney  
• Chair  
Continuing Dental Education Committee  
Academic Resources Committee  
• Member  
Main Curriculum Committee  
Health Sciences Library Committee  
Faculty of Dentistry Centennial Committee  
Continuing Education Subcommittee  
Academic Planning Working Group

Debora Matthews  
• Chair  
Faculty Retreat Committee  
• Member  
Academic and Clinic Coordinating Committee  
Dean's Advisory Committee

Kathy Russell  
• Member  
Research Development Committee

Sachin Seth  
• Chair  
Academic Standards DDS I  
• Member  
Main Academic Standard Committee  
Interview Committee for Admissions  
Ad Hoc committee on professionalism  
CE Committee

Tammy Wright  
• Interviewer DDS admission interviews

C. University

Cynthia Andrews  
• Member  
Senate Committee on Learning and Teaching  
Advisory Committee for Interprofessional Health Education Building  
Interprofessional Health Education Coordinating Committee  
First Year Interprofessional Event Organizing Committee  
Program Directors Committee, Division of Medical Education, Faculty of Medicine  
Faculty Development Advisory Committee, Faculty of Medicine  
Health Informatics Advisory Committee, Faculty of Medicine  
Global Health Office Advisory Committee, Faculty of Medicine

Ron Bannerman  
• Co-chair  
Interprofessional Health Education Committee – Health Mentor Working Group  
• Member  
Dalhousie Student Ratings of Instruction Working Group  
Aboriginal Health Sciences Initiative  
Senate Committee on Academic Administration  
Dalhousie University Tenure and Promotions Panel  
Senate Learning and Teaching Committee

Blaine Cleghorn  
• Dalhousie University Open House – Demonstration of Dental Anatomy software

Wayne Garland  
• Dalhousie University Senate Discipline Committee

Mark Knechtel  
• Supervisor for Dalhousie Open House “Drill and Fill”  
• Member  
Environmental Health and Safety Committee  
(Dalhousie)  
Senate Library Committee

Ferne Kraglund  
• Member  
Mi’kmaq Health Research Group (MHRG)  
Aboriginal Health Sciences Advisory Committee  
AHSAC’s subcommittee on Admissions

Robert Loney  
• Member  
Senate Academic Appeals Committee  
Faculty of Health Professionals Teaching Excellence Award Selection Committee  
• Consultant  
Dalhousie University Centre for Learning and Teaching, Peer Consultation Program

Mary McNally  
• Member  
Tenure and Promotion Committee for Faculty of Health Professions  
Dalhousie University Human Subjects Research Ethics Board  
Quality and Safety Committee, Capital District Health Authority

Kathy Russell  
• Chair  
IWK Cleft Palate Team  
• Cleft Team Representative  
• Member  
Cleft Palate Team, IWK Team 1-Acute and Emergency Care Programme Operations Committee  
Dentistry Department MOM Committee

Sachin Seth  
• Member  
Dalhousie University Senate Discipline Committee

D. Regional/National

Ross Anderson  
• Canadian Academy of Paediatric Dentistry/Health Canada working group on common guidelines for the Use of fluorides in the prevention of dental caries.  
• CAPD representative to the National Working group on General Anaesthesia and Sedation for First Nations  
• Member, Accreditation Site Team, Commission of Dental Accreditation of Canada. Hospital Dental. Children’s Hospital of Eastern Ontario, July 2010

Ross Anderson  
• Member  
Accreditation Site Team, Commission of Dental Accreditation of Canada. Hospital Dental Service and Hospital Residency Program. Toronto Sick Kids, May 2011  
Accreditation Site Team, Commission of Dental Accreditation of Canada. Hospital Dental Service. Bloorview Rehab, May 2011  
• Expert reviewer to Department of Health Promotion and Protection publications “Loving Care”

Cynthia Andrews  
• Member  
Grading Team for CDA Dental Aptitude Test  
IPE Leads in Medical Education Committee  
and Lead Facilitator, Accreditation of Interprofessional Health Education in Medical Education

Ron Bannerman  
• Member  
ACFD Dental Admissions Working Group  
ACFD Academic Affairs Committee
Blaine Cleghorn
- **Journal Reviewer**
  American Journal of Physical Anthropology
  Surgical and Radiologic Anatomy
  BMC Medical Imaging
  Archives of Oral Biology
  Odontology
  Indian Journal of Dental Research
  Canadian Dental Association Journal
- **Member**
  Scientific Advisory Board for University of Manitoba MBA, Business Venture Analysis course
  Accreditation site visit team, University of Saskatchewan DMD Program
  • Working Group Expert: Development of a national guidance document on preventing the transmission of bloodborne pathogens from infected healthcare workers to patients (ACFD)
  • Board member, Association of Canadian Faculties of Dentistry (ACFD)
  • Dental Simulated Clinical Exam Committee, North East Regional Board (NERB)
  • NERB Examination Committee
  • **Chair**, Clinical Affairs Committee, ACF
  • Evaluator, Assessment of Clinical Skills, National Dental Examining Board (NDEB)
  • Coordinator, Dalhousie University - Assessment of Clinical Skills and Assessment of Clinical Judgement NDEB
  • Coordinator, NERB Exam
  • Chief Written Examiner, NDEB
  • Media expert, Non-dentist providers of oral health care
  Canadian Dental Association (CDA)
  • Media expert, Dentistry-related sterilization and infection control issues CDA
  • External reviewer, Promotion to Professor, University of California, Los Angeles, School of Dentistry, Division of Restorative Dentistry

Linda Cochrane
- **Assessment Supervisor Assistant**, National Dental Examining Board of Canada (NDEB) Assessment of Clinical Skills Exam
- **Evaluator**, NDEB Assessment of Clinical Skills Exam

Gorman Doyle
- **Member**, Nova Scotia Dental Association Working Group – Dental Technology in Nova Scotia

Heather Dyment
- Secretary, Oral Health Section, Canadian Paediatric Society
- President, Nova Scotia Society of Dental Specialists

Ed Ghiabi
- Examiner, Royal College of Dentists of Canada
- President, Atlantic Society of Periodontology
- NDEB Workshop in Ottawa, October 2010

Mark Knechtel
- **Member**, Nova Scotia Dental Association Clinical Practice Committee
- Grader, Canadian Dental Association Manual Dexterity Exam
- Written Examiner, NDEB
- Invigilator, National Dental Examining Board of Canada Assessment of Clinical Skills Exam

Ferne Kraglund
- Content expert, Nova Scotia Dental Association on fluoride/fluoridation
- Canadian Dental Association on fluoride/fluoridation
- Consultant, NSDA’s Access to Care Working Group
- Examiner, Dental Public Health, Royal College of Dentists of Canada
- Interview for CBC’s Quirks and Quarks: ‘Does more sugar cause more cavities?”
- Costco Connection magazine interview/consultant:
  “The Bright Stuff: What you need to know to keep your smile healthy”

Jack Gerrow
- Registrar, National Dental Examining Board of Canada
- Senior Staff to the Association of Canadian Faculties of Dentistry

Chris Lee
- Supervisor, National Dental Examining Board of Canada (NDEB) Assessment of Clinical Skills
- NDEB marking of Assessment of Clinical Skills
- NDEB marking of prescription writing for OSCE (6 days)
- Media expert, Relationship between oral health and overall health, Canadian Dental Association

Robert Loney
- Chief Examiner, OSCE Exam, National Dental Examining Board of Canada

Jennifer MacLellan
- November, 2010 - Paediatric Dental content expert during exam writing workshops for the National Dental Examining Board of Canada

Debora Matthews
- President, Canadian Association of Dental Research (CADR)

Mary McNally
- Member, Canadian Academy of Health Sciences
- International Consultation “Improving Access to Oral Health Care for Canadians: Filling the Gaps
- Associate Editor, Journal of the Canadian Dental Association

Richard Price
- Editorial Consultant, Canadian Dental Association
- Examiner, Royal College of Surgeons of Canada

Kathy Russell
- International Board member, About Face
- Guest Editor, Special Editor: JCDA. 2010;76(2)
- Dental Specialists Representative to the Commission on Dental Accreditation of Canada
- Chair, CDAC Nominations Committee, Commission on Dental Accreditation of Canada
- National Dental Examining Board Question Workshop member

Sachin Seth
- Economic Research and Development Committee, Nova Scotia Dental Association
- Media content expert on acid erosion/tooth wear, Canadian Dental Association
- Clinical Skills exam invigilator and assessor, National Dental Examining Board
- NERB exam co-supervisor

Mark Vallee
- Halifax County Dental Society (Treasurer)

Tammy Wright
- President, Society of Dental Specialists of Nova Scotia
- Chair, Nova Scotia Dental Association Code of Ethics Working Group

E. International

Ross Anderson
- Oral Health Advocate, Atlantic Chapter of the American Academy of Paediatrics
- Member, American Academy of Paediatrics Oral Health Advisory Committee

Jack Gerrow
- Special Consul to Hong Kong Dental Council for Accreditation of Undergraduate Dental Education and Training in Hong Kong
- Consultant to American Dental Association Joint Commission on National Dental Examinations Research and Development Committee
Robert Loney
• Editorial Review Board, Journal of Prosthetic Dentistry

Debora Matthews
• Chair, International Association of Dental Research Council (IADR) Committee on Constitutional Affairs
• Member
Critical Review Panel, Center for Evidence-based Dentistry, American Dental Association
North American Colgate Advisory Board, Colgate-Palmolive Co.
• Editorial Board
Evidence Based Dentistry Journal, Nature<br>Journal of the Canadian Dental Association
• Journal Reviewer
Journal of Dental Research<br>Journal of Periodontology<br>Journal of Evidence Based Clinical Dental Practice

Mary McNally
• Executive Member, Geriatric Oral Research Group (GORG) of the International Association of Dental Research
• Journal Reviewer
Special Care in Dentistry<br>Journal of the Canadian Dental Association<br>Canadian Public Policy Journal

Kathy Russell
• Canadian Orthodontic Expert and SC1 Representative: ISO TC 106<br>• Secretary: ISO TC 106, SC1
• Journal Reviewer

Tammy Wright
• Chair, Canadian Academy of Periodontology<br>Economics and Insurance Committee
I. Oral And Maxillofacial Sciences: Members of The Department

**Chair**
- **R. H. Goodday**, DDS, MSc, FRCD(C), FICD, FACD, Associate Professor

**Full-Time**
- **C. Canning**, BSc, DDS, Assistant Professor
- **B. Davis**, BSc, DDS, Dip. in OMFS, FRCD(C), Associate Professor
- **R. Howell**, DDS, Cert. Oral Path, Head, Division of Oral and Maxillofacial Pathology, Associate Professor
- **J.G.L. Lovas**, BSc, DDS, MSc, FRCD(C), Associate Professor
- **A.D. Morrison**, DDS, MSc, FRCD(C), FACD, Associate Professor
- **D.S. Precious**, CM, DDS, MSc, FRCD(C), FADI, FICD, FACD, Dean Emeritus and Professor
- **C.G. Robertson**, DDS, MD, MSc, FRCD(C), Assistant Professor

**Part-Time**
- **J.M. Creighton**, BSc, DDS, Dip Paedo, MRCD(C), FADI, Assistant Professor
- **O. Hung**, BSc, MD, FRCPC
- **Launcelott, Gordon**, MD, FRCPC Associate Professor
- **C. Gregoire** DDS, MD, MSc, FRCD(C), Assistant Professor

**Technical Support Staff**
- **Andrea Rockwell**, BSc, RT, MSc
- **Ashley Kervin**, RT

**Support Staff:**
- **Ruth MacLean**, BA
- **Kathy Drew**, BSA
The Department of Oral and Maxillofacial Sciences has three divisions: Oral and Maxillofacial Surgery, Oral and Maxillofacial Pathology and Oral and Maxillofacial Radiology. The members of each Division conduct activities in patient care, teaching, research and scholarly activity and administration. The Department of OMFS has a national and international reputation resulting from expertise in all of these areas.

Patient Care
Approximately sixteen thousand patient visits annually fall under the umbrella of the Department at the Faculty of Dentistry, the Queen Elizabeth II Health Sciences Centre (Victoria General Hospital site) and the IWK-Grace Health Centre. Primary and secondary patient care takes place in the Oral and Maxillofacial Radiology, TMJ and Oral Pathology Clinics. Fifty percent of the oral and maxillofacial surgery is quaternary and tertiary care with pediatric and adult patients alike being referred to our centre from across Canada, St. Pierre and Miquelon, Bermuda, and the United States.

The Department has significant partnerships within the Capital District Health Authority with representation on the Head and Neck Tumor Board, pain management clinic, and the cleft team at the IWK Health Sciences Centre. The Department members are involved in the assessment of cardiac transplant, radiation oncology and hemeoncology patients. There is a high level of cooperation that takes place with the Department of Infectious Disease, anesthesia, Emergency medicine, division of ENT and the Sleep Disorders Clinic within the Department of Medicine. Special areas of expertise within the department include Drs. Morrison and Davis providing advanced care for patients who require maxillofacial and craniofacial implants as well as traumatology and TMJ reconstruction respectively. Dr. D.S. Precious is the Principal Surgeon for primary and secondary cleft lip and palate surgery at the IWK Health Sciences Centre. Drs. Chad Robertson and Curtis Gregoire have additional training and skills in the treatment of oral oncology patients. Dr. Goodday has specialized expertise in the surgical management of sleep apnea in cooperation with the sleep laboratory in the Department of Medicine.

In the fall of 2010, Drs Goodday, Gregoire and Davis under the direction of Dr. D.S. Precious participated in a charity mission to provide cleft lip and palate surgery in Danang. Dr. Canning was involved in a separate mission that provided oral health care to patients in Danang.

Oral and Maxillofacial Radiology represents a significant clinical patient care activity to the extent that it is integrated both by personnel and patient care with restorative dentistry, pathology and oral diagnosis.

Dalhousie Dental Clinic patients are seen on referral in the Oral Pathology Clinic for diagnosis and non-surgical management of a wide variety of oral diseases, by fourth year dental students.

There is an important biopsy service operated by the Division of Oral and Maxillofacial Pathology which issued 762 biopsy reports from June 30, 2010-July 1, 2011. Services are provided not only for Nova Scotia but also for New Brunswick, Prince Edward Island and Newfoundland. The Division of Oral and Maxillofacial Pathology also provides a Biologic Sterilizer Monitor Service to practicing dentists in the Atlantic Provinces.
III. Teaching Program

The Department has responsibility for teaching at undergraduate, graduate and continuing education levels in Dentistry, Medicine, Nursing and Dental Hygiene. The graduate program in Oral and Maxillofacial surgery is a 6-year dual degree program officially based in the Faculty of Graduate Studies but substantially based in the Faculties of Dentistry and Medicine. It is unique in Canada and graduates one candidate a year with both MSc and MD degrees. With respect to undergraduate education, the Department of Oral and Maxillofacial Sciences continues to be one of the strengths of the faculty. Student ratings are excellent and the most recent accreditation team complimented the department on a well organized, clearly stated educational plan.

In addition to the international teaching that takes place when performing surgery in Vietnam, as well as international presentations, several foreign trained surgeons have visited the department to enhance their education. Dr. Hatham Murad from Kuwait completed a one year surgical fellowship on June 30, 2011. Dr. Susan Banjo from Nigeria joined our department for 4 weeks in March to observe full scope oral and orthognathic surgery. Dr. Marco Aurelio Bomfim from Brazil visited in April and Dr. Sood Vikas from Scotland spent the month of May in our department. We also had Fahad Cadili and Michael Malouf, dental students from Mississauga and Montreal respectively spend a week observing in the department this year.

Ongoing initiatives have been made in the teaching of radiology through the efforts of Dr. Carl Canning, Dr. Merv Creighton and Dr. Curtis Gregoire.

We have transitioned from analogue film to phosphor plate digital technology during the summer. A digital radiology subcommittee was formed last year to facilitate the transition. The decision to implement this technology was the culmination of many hours of research, trials of different digital systems and consultation with other Dental schools in North America by the committee. The particular system that has been purchased (scan x) has been used for the past three years in pre-clinical undergraduate teaching in Oral and Maxillofacial radiology. It has also been used extensively in the MacLean Center and Faculty practice with positive feedback.

Students will now be using digital dental radiography exclusively in the clinic. Dalhousie Dentistry is one of the first faculties in the country to make this transition.

This technology will enrich the students learning experience and enhance patient care. It will also have a positive environmental impact, as radiographs will no longer be developed with chemicals and film.

The Division of Oral and Maxillofacial Pathology provides major academic courses in general pathology, systemic pathology and oral and maxillofacial pathology during the first three years of the undergraduate dental curriculum and during the second year of the dental hygiene curriculum. The graduate oral and maxillofacial pathology course is provided every year by Dr. John Lovas who is also actively involved in the teaching of undergraduate oral histology.

A. Teaching Responsibilities

1) Undergraduate Curriculum

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>DENT1113</td>
<td>Dental Gross Anatomy</td>
</tr>
<tr>
<td>DENT2211</td>
<td>Patient Care</td>
</tr>
<tr>
<td>DENT3000</td>
<td>Basic Sciences For Dentistry</td>
</tr>
<tr>
<td>DENT3116</td>
<td>Basic Mechanisms of Disease</td>
</tr>
<tr>
<td>DENT3513</td>
<td>Diag/Manage Temporomandibular Disorders</td>
</tr>
<tr>
<td>DENT3521</td>
<td>Oral Pathology Elective</td>
</tr>
<tr>
<td>DENT4500</td>
<td>Oral and Maxillofacial Surgery</td>
</tr>
<tr>
<td>DENT4811</td>
<td>Oral Pathology, Medicine, Radiology</td>
</tr>
<tr>
<td>DEHY3003</td>
<td>Exceptional Clients</td>
</tr>
<tr>
<td>DEHY3009</td>
<td>Dental Specialties</td>
</tr>
</tbody>
</table>

This table lists the courses offered in the undergraduate curriculum, with the course code, title, and faculty members responsible for teaching each course.
2) Graduate Studies

Reg Goodday
- Lecturer, Graduate Oral and Maxillofacial Surgical Seminar
- Clinical Instructor, Graduate Oral and Maxillofacial Surgery

David Precious
- Lecturer, Graduate Surgical Anatomy, ORAL5000
- Lecturer, Graduate Oral and Maxillofacial Surgical Seminar
- Clinical Instructor, Graduate Oral and Maxillofacial Surgery

Chad Robertson
- Lecturer, Graduate Surgical Anatomy, ORAL5000
- Lecturer, Graduate Oral and Maxillofacial Surgical Seminar
- Clinical Instructor, Graduate Oral and Maxillofacial Surgery

Ben Davis
- Lecturer, Graduate Surgical Anatomy, ORAL5000
- Lecturer, Graduate Oral and Maxillofacial Surgical Seminar
- Clinical Instructor, Graduate Oral and Maxillofacial Surgery

Curtis Gregoire
- Lecturer, Graduate Oral and Maxillofacial Surgical Seminar
- Clinical Instructor, Graduate Oral and Maxillofacial Surgery

Archie Morrison
- Lecturer, Graduate Surgical Anatomy, ORAL5000
- Lecturer, Graduate Oral and Maxillofacial Surgical Seminar
- Clinical Instructor, Graduate Oral and Maxillofacial Surgery

Robin Howell
- Examiner for oral examination, Graduate Oral and Maxillofacial Pathology Course

John Lovas
- Lecturer, Graduate Oral Pathology, Medicine, Radiology courses, ORAL 5060, 6030, 7000

3) Graduate Thesis Supervision:

Reg Goodday
- MSc Supervisor for Dr. Susan Bourque, “Effects of maxillomandibular advancement surgery on blood pressure in patients with obstructive sleep apnea”.

Archie Morrison
- MSc supervisor for Dr. J.C. Doucet, “Prospective Evaluation of the Effect of the Presence of Third Molars During Sagittal Split Osteotomies”.
- MSc supervisor for Dr. Matthew Shaffner: “Post Operative Morbidity Associated with Anterior vs Posterior Iliac Crest Bone Harvesting”.

Ben Davis
- MSc supervisor for Dr. James Brady, “Safety and efficacy of propofol only sedation in Oral and Maxillofacial Surgery”.

Chad Robertson
- MSc supervisor for Dr. Peter Stefanuto, “Oral Leukoplakia and Erythroplakia – Clinicopathologic Correlations”.

B. Educational Innovations

1) Curriculum Development:

Curtis Gregoire
- Implementation and teaching of digital Radiology in undergraduate program
- Member of ad hoc committee to develop the Faculty Strategic plan

Archie Morrison
- Curriculum Development
- Instructional Resources Development

1) Course directors are listed in table 1 in bold

IV. Papers, Books And Reports

A. Papers Published

David Precious

Reg Goodday

Ben Davis
- Davis B. What dose of epinephrine contained in local anesthetics can be safely administered to a patient with underlying cardiac disease during a dental procedure? Point of Care. J Can Dent Assoc. 2010;76a36
Archie Morrison
• Morrison A. Should my patient stop warfarin therapy prior to minor dental surgery for the risk of post operative bleeding? JCDA Express 2011
• Morrison A. Can I enhance the athletic performance of elite athletes with the use of the pure power mouthguard? JCDA Express 2011
• Morrison A. Inferior alveolar nerve injury. JCDA Express Issue 2, 2011.
• Morrison A. Mouthguards and athletic performance. JCDA Express Issue 4, 2011

Curtis Gregoire

Robin Howell
• Renault NK, Howell RE, Robinson KS, Greer WL. Qualitative assessment of the emotional and behavioural responses of haemophilia A carriers to negative experiences in their medical care. Haemophilia 2011; 17, 237-245.

C. Papers Read at Meetings

David Precious

Reg Goodday
• Goodday, R.H.B., Al-Khatib, K.M., Outcomes Following Maxillomandibular Advancement Surgery for Obstructive Sleep Apnea Syndrome. 88th General Session and Exhibition of the IADR. Barcelona, Spain. July 14-17, 2010. (Abstract)
Robin Howell

D. Papers Submitted

Robin Howell
• Qualitative assessment of the emotional and behavioural responses of haemophilia A carriers to negative experiences in their medical care, Renault, N.K., Howell, R.E., Robinon, K.S., Greer, W.L. Submitted, and revised and re-submitted Haemophilia
• Familial skewed X-chromosome inactivation linked to a component of the cohesin complex, SA2, Renault, N.K.E., Renault, M.P., Copeland, E., Howell, R.E., Greer, W.L. Submitted to European Journal of Human Genetics

John Lovas
• Holexa D, Lovas J, Neish N, Gold E, Belzer M. “Mindfulness: Enhancing the Clinical, Professional and Personal Outcomes of Dental and Dental Hygiene Students” 3-hour workshop, proposed for ADEA Annual Session & Exhibition program, Manchester Grand Hyatt San Diego & San Diego Convention Center, March 12-16, 2011. (Accepted 9/7/10)

E. Invited Lectures/Presentations

David Precious (see section C)

Reg Goodday

Archie Morrison
• Morrison, A: Small group discussion leader on management of facial fractures. AO Principles Course Halifax, August 28-29, 2010
• Morrison A: Twelve years of cleft lip and palate surgery in Vietnam. 2011 Association of Nurses in Perioperative Care in Capital District Health Authority. Halifax, NS. May 7, 2011

Ben Davis
• “Reconstruction of the temporomandibular joint” AO/ASIF Principles of Operative Treatment of Craniofacial Trauma and Reconstruction , Montreal, Quebec. August 27-28, 2011
• Moderator, Scientific Session – “3D planning for OMS surgery – the oral surgeon as the team quarterback”. Canadian Association of Oral and Maxillofacial Surgeons Annual Scientific Meeting, Quebec, Quebec, May 30-June 02, 2011

Chad Robertson
• “Odontogenic Cysts and Tumors”, QEII Health Sciences Center, March, 2011.

Curtis Gregoire
• Lab demonstrator, “Surgical approaches to the craniofacial region – cadaveric course”. January 15, 2011. Surgical Skills Lab, VG Site, QE II HSC

Carl Canning
• Review of Radiology Technique and Safety for Dental Clinic Staff East Meets West Foundation, Danang, Vietnam
V. Research Activities

A. Completed During the Year

• Dr. Jean Charles Doucet defended his thesis “Prospective Evaluation of the Effect of the Presence of Mandibular Third Molars during Sagittal Split Osteotomies of the Mandible”. Following his graduation in May, 2011, Dr. Doucet started a one year Paediatric Craniofacial and Plastic surgery fellowship in Montpellier, France.
• Comparison of quality and characteristics of the sagittal ramus osteotomy as well as post operative morbidity in patients with third molar teeth present and absent at the time of operation. (Archie Morrison)

Robin Howell
• Curriculum Paper Supervisor for Hannah Park – “A survey and analysis of oral and maxillofacial biopsies submitted to Dalhousie University’s Oral Pathology Laboratory at the Faculty of Dentistry”
• External advisor and provider of data for BDH research project “Biological sterilization monitoring service: A quantitative study.” BDH students Shana Thompson and Safina Waljee.

B. Projects in Progress

Ben Davis
• Outcome assessment of TMJ reconstruction using metal condyles articulating directly against the glenoid fossa.

Archie Morrison
• Prospective study on the incidence of osteonecrosis of the jaw in patients receiving intravenous bisphosphonate therapy for metastatic cancer
• Program development for detering smoking initiation in an adolescent cohort in the Nova Scotia School system.

Curtis Gregoire
• Use of fluorescence visualization to determine resection margins for high grade dysplasia and early squamous cell carcinoma of the oral cavity.

Robin Howell
• Biopsy patterns of Atlantic Canadian dentists from 1990 to 2010

John Lovas
• A qualitative research proposal: “A study to examine the perceived enablers and obstacles to practicing mindfulness by participants in a ‘Mindfulness for Healthcare Professionals’ course” by Lovas J, Whitehorn D, and Neish N, has been submitted to the Health Sciences Research Ethics Board, which recommended minor revisions.

C. Undergraduate Student Research Supervision

Archie Morrison
• Prospective study on the Incidence of osteonecrosis of the jaw following intravenous bisphosphonate therapy for metastatic cancer. This is being conducted by Sarah Orser, DDS 3 student, at the Nova Scotia Cancer Centre
• Program development for smoking dissuasion in an adolescent population in Nova Scotia schools. Project initiated by Ryan Murphy, DDS 3 student.

Robin Howell
• Curriculum Paper Supervisor for Hannah Park – “A survey and analysis of oral and maxillofacial biopsies submitted to Dalhousie University’s Oral Pathology Laboratory at the Faculty of Dentistry”
• External advisor and provider of data for BDH research project “Biological sterilization monitoring service: A quantitative study.” BDH students Shana Thompson and Safina Waljee.

Table Clinic Supervision

Reg Goodday
• Allison Nette – “Obstructive Sleep Apnea: It’s Serious, More Prevalent Than you Think, and Dentists Can Help!” February, 2011.
• Laura Winchester, Stephanie Ryan – “Injection Free Local Anesthetic for Scaling and Root Planing” – February, 2011.

Curtis Gregoire

Ben Davis
• Laura Winchester, Stephanie Ryan – “Injection Free Local Anesthetic for Scaling and Root Planing” – February, 2011.

Car Canning
• Chad Avery – “The Link between HPV Infection and Oropharyngeal Cancer” February, 2011.
VI. Professional Development

Reginald Goodday

John Lovas
- Altenberg M, Jensen PM. “To Serve Those in Need: Transformative Learning in a Dental Residency Program” 1.5-hour Lecture, ADEA Annual Session & Exhibition program, Manchester Grand Hyatt San Diego & San Diego Convention Center, March 14, 2011.
- Whitt JC, Bouquot JE, Siegel MA, Carpenter WM, Neely AL, Kalmar JR. “Finding the Dangerous Mucosa: The Evidence-Based Role of Adjunctive Aids in Detecting Precancerous Lesions” 1.5-hour Panel Discussion, ADEA Annual Session & Exhibition program, Manchester Grand Hyatt San Diego & San Diego Convention Center, March 15, 2011.

Chad Robertson

Archie Morrison

Ben Davis

Curtis Gregoire

VII. Service Commitments

Members of the Department continue to play an important role in the administration of both the university and faculty and also represent the university on various hospital administrative committees.

Faculty

Reg Goodday
- Chair, Department of Oral and Maxillofacial Sciences
- Main Curriculum Committee
- Infectious Diseases Committee
- Tenure and Promotion Committee
- Dean’s Advisory Committee
- Chart Audit Committee
- Chair, DDS3 – Academic Standards Committee
- Main Academic Standards Committee

David Precious
- Faculty of Graduate Studies: Killam Lecture Committee

Archie Morrison
- Dentistry Curriculum Committee
- Student Table Clinics Committee
- DDS4 Academic Standards Committee

Ben Davis
- Division Head of Oral and Maxillofacial Surgery
- Admissions Committee
- Chairman, Academic Awards Committee
- Research and Development Committee
- Chart Audit Committee

Curtis Gregoire
- Chair of the Radiology sub-committee
- Academic Resource Committee, Admissions Interviewer

John Lovas
- Assistant Dean - Student Affairs
- Dean’s Advisory Committee
- Dean Rep, Dentistry Admissions Committee
- Chair, Honorary Degrees Committee
- Chair, Professionalism Committee
- Academic Awards Committee - ex officio
- Faculty Development Committee
- Chart Audit Committee

Robin Howell
- Division Head of Oral and Maxillofacial Pathology
- Chart Audit Committee
- Director, Oral Pathology Biopsy Service. In 2010-11 there were 760 biopsy cases including 29 from the
Faculty of Dentistry clinics, and 48 consult cases from regional hospitals. Cases during the year were signed out by Drs. Howell, Lovas and Wright.

- Biologic Sterilizer Monitor Service (with Andrea Rockwell)

**Mervyn Creighton**
- DDS Curriculum Committee
- Digital Radiology Sub-Committee

**Carl Canning**
- Division Head of Oral and Maxillofacial Radiology
- Academic Standards Committee
- Academic and Clinic Coordinating Committee
- Chart Audit Committee
- Digital Radiology Sub-committee

**Chad Robertson**
- Director of Graduate Training in OMFS
- Student Table Clinics Committee
- H1N1 Flu Pandemic Committee

**University**

**David Precious**
- Senate Ad Hoc Committee on Governance
- External Juror Masters Thesis Laval University
- External Juror PhD Thesis University of Louvain Belgium

**Carl Canning**
- Vice Chair of Senate (Academic Administration)

**Mervyn Creighton**
- Senate Nominating Committee

**John Lovas**
- Senate Honorary Degrees Committee

**Chad Robertson**
- Continuing Dental Education Committee

**Hospital**

**Reg Goodday**
- District Chief Department of Oral and Maxillofacial Surgery, CDHA
- District Medical Advisory Committee
- Clinical Affairs Committee
- OR Executive
- Co-Chair, OR Efficiency Task Force
- Clinical Management Unit

**Archie Morrison**
- Member Research Ethics Board Capital Health Authority

**Ben Davis**
- Assistant District Chief, Dept. Oral and Maxillofacial Surgery, CDHA Health Sciences Centre, Halifax, Nova Scotia
- District Medical Affairs Committee, Quality Assurance, CDHA
- Morbidity and Mortality committee, Dental Dept., IWK Hospital Research Policy, Planning, Performance Committee, Capital District Health Authority (CDHA)

**Provincial**

**Reg Goodday**
- Nova Scotia Dental Association Professional Development Committee

**Ben Davis**
- Nova Scotia Dental Association Professional Development Committee

**Chad Robertson**
- President, Atlantic Society Oral and Maxillofacial Surgeons
- H1N1 Flu Pandemic Committee – Nova Scotia Dental Association

**National**

**Reg Goodday**
- Canadian Society of Sleep Medicine Credentialing Committee

**Ben Davis**
- Chief Examiner, Specialty of Oral and Maxillofacial Surgery Royal College of Dentists of Canada (RCDC)
- President, Canadian Association or Oral and Maxillofacial Surgeons,

**Carl Canning**
- Membership Committee of the Canadian Association of Oral and Maxillofacial Radiology.

**Chad Robertson**
- Pathology Section Head, Specialty of OMFS Royal College of Dentists of Canada (RCDC)
- Oral Examiner, Specialty of OMFS Royal College of Dentists of Canada (RCDC)

**Curtis Gregoire**
- Oral Examiner, Specialty of OMFS Royal College of Dentists of Canada (RCDC)
- Content Expert CDA Media Expert Oral and Maxillofacial Surgery

**International**

**David Precious**
- Joint Japanese and Canadian Cleft Lip and Palate Surgical Charity Mission, Vietnam, lead surgeon, November, 2010
- International Cleft Palate Foundation, Chair, Board of Trustees

**Reg Goodday**
- American Association of Oral and Maxillofacial Surgeons Knowledge Update Series Committee

**Ben Davis**
- AO/ASIF Application Subcommittee.

**Curtis Gregoire**

**Editorial Boards**

**Reg Goodday**
- Section Editor, Obstructive Sleep Apnea – American Association of Oral & Maxillofacial Surgery Knowledge Update Series, 2010 – present
- International Journal of OMFS
- Journal of Oral and Maxillofacial Surgery

**David Precious**
- Section Editor, Oral and Maxillofacial Surgery. Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology and Endodontology
- Section Editor, Cleft Lip/Palate Craniofacial. International Journal of Oral and Maxillofacial Surgery
- Mund-Kiefer-Gesichts-Chirurgie
- Co Editor, Current Practice, Specialty Section OMFS. Journal of the Canadian Dental Association
- Revista de Clinica e Pesquisa Odontológica – Journal
of Dental Clinics and Research Conselho Consultivo/Consulting Board

Chad Robertson
- Journal of Oral and Maxillofacial Surgery

Ben Davis
- Reviewer, Journal of Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology and Endodontology

Curtis Gregoire
- Reviewer for Journal Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology and Endodontology

Awards

David Precious
- CDA Medal of Honour
  Precious, D.S. Medal of Honour, Pinnacle Award, Canadian Dental Association. Limited to ten living recipients at any one time. Ottawa April 15 2011.
- Doctorat Honoris Causa Laval University
  Precious, D.S.: Doctorat Honoris Causa. L’Université Laval. Le doctorat d’honneur, la plus haute distinction que l’Université décerne, est une marque de reconnaissance exceptionnelle. La personne qui le reçoit jouit d’un rayonnement jugé remarquable et exemplaire dans l’une des sphères d’activité de l’Université. Announced August 2010; to be conferred in June 2011 in Quebec City, Quebec.
- Dr D S Precious University Medal in Dentistry
  The Senate of Dalhousie University established the Dr D. S. Precious University Medal in Dentistry in recognition of his outstanding service to the profession of Dentistry, his achievements in the field of Oral and Maxillofacial Surgery, and his lifetime humanitarian service endeavors.

Reg Goodday
- Distinguished Service Award, Canadian Association of Oral and Maxillofacial Surgeons, June, 2011.
- Fellow, American College of Dentists

Archie Morrison
- Fellow, American College of Dentists
I. School of Dental Hygiene: Members of The Department

**Director**
- Nancy Neish – BA (Acadia); DipDH (Dal); MEd (Dal)

**Full-Time**
- Joanne Clovis - DipDH, BEd. MSc (U of Alberta), PhD (Dal) (on sabbatical)
- Heather Doucette - DipDH, BSc (Dal), MEd. (MSVU)
- Peggy Maillet - DipDH, BA, MEd (Dal)
- Terry Mitchell - DipDH, BSc, MEd (Dal); CGN (MSVU (on leave)
- Nancy Neish – BA (Acadia); DipDH (Dal); MEd (Dal)
- Christine Robb – DipDH (Dal); BA (Moncton); MEd (Dal)
- Cara Tax - DipDH, BA (Manitoba); MEd (MSVU)

**Part-Time**
- Heather Bell - BSc, DipDH (Dal)
- Burglind Blei - DipDH, (Dal) BA (SMU) LLBC (Dal)
- Patricia Grant - DipDH, BA (SMU); MEd (Dal)
- Tena Harris - DipDH (Dal)
- Kim Haslam - DipDH, BA (Dal)
- Paulette Hawksworth - DipDH (Dal)
- Susan Keating-Bekkers - BSc (St. F.X.); DipDH (Dal)
- Marcia Kohler – DipNurs (St. Martha’s); DipDH (Dal)
- Teanne MacCallum – DipDA (Holland College); DipDH, BDH (Dal)
- Maggie MacPherson – BSc (U of T); DipDA, DipDH (George Brown)
- Palmer Nelson – BA (Queens); DipDH (Dal)
- Kelly O’Donnell – DipDH, BDH (Dal)
- Angela Parker - DipDH (Dal); BEd (MSVU) MEd.(MSVU)
- Donna Pascher - DipDH (Dal)
- Karen Reid - DipDH, BEd (MUN)
- Karen Sutherland - BSc (Acadia); DipDH (Dal)
- Collette Thistle - DipDH, BSc (Dal)
- Sheena Thompson – BA; DipDH (Dal)

**Support Staff**
- Dianne Crouse
- Joyce MacDonald, BSc (Dal)
The academic year beginning July 1, 2010 and ending June 30, 2011 was highlighted by the integration of local anesthesia into the dental hygiene curriculum. Dr. Ben Davis taught the didactic component of the course to second year dentistry and dental hygiene students and degree completion Bachelor of Dental Hygiene (BDH) students. Dental hygiene students completed two hands-on labs under the supervision of dentistry faculty and gained experience in second term administering anesthetic to their clinic patients. BDH students gained experience under the supervision of Dr. Chris Lee in the Emergency/Recall clinic. Several dental hygiene faculty members also successfully completed the first Dalhousie University CDE course in the administration of local anesthesia for dental hygienists. We are indebted to the many colleagues from the Faculty of Dentistry who so generously gave of their time and expertise to help bring about this expansion in the curriculum and change in the scope of practice for dental hygienists graduating from Dalhousie University.

For the second year, four interprofessional learning (IPL) modules were designed and implemented with the aim of promoting greater understanding and appreciation for the professional roles of dentists and dental hygienists. Two of the IPL modules included expert panels. One expert panel spoke about their experience with ‘collaborative practice in the real world’. Another IPL consisted of a panel of staff members in the Faculty of Dentistry who made significant contributions to the education of dental professionals. They helped orient students to the many behind the scenes departments and individuals that make their education and clinical experience possible.

In addition first year dentistry and second year dental hygiene students participated in the inaugural year of the Health Mentors Program. This interprofessional activity included students from 17 health related programs at Dalhousie University. Students were placed in teams of four students where all four students came from different programs. The team was assigned to a health mentor, who was a volunteer from the community living with a chronic health condition. Students learned from the health mentor what it was like to live with that condition, how it impacted on their life, what difficulties they had navigating the health care system including their experiences working with different health care professionals.

Prof. Terry Mitchell was seriously injured in a motor vehicle accident in August, 2010. Although she is making a remarkable recovery given the seriousness of her injuries, she was not able to return to work for the 2010-2011 academic year. Fortunately, Prof Christine Robb who has a 70% faculty position agreed to teach the courses normally taught by Prof. Terry Mitchell and was appointed to a full time position for the year.

In May 2011, eight students successfully completed the requirements for the Bachelor of Dental Hygiene, and by July 2011, all forty-one dental hygiene students had successfully completed the diploma program. There were a total of 91 dental hygiene students, forty-one students in second year and thirty-two in the first year of the diploma program and eight students enrolled in the BDH program.

The School’s Administrative Assistant, Ms. Joyce MacDonald continued with a 60% workload and Ms. Dianne Crouse worked the remaining 40% but was also hired to work in the Continuing Dental Education department at 60%. The School was well served by these two skillful and capable managers and we are grateful for their ability to adeptly manage the day-to-day running of the School.

Patient Care
Second year dental hygiene students provide care for patients of record at the Dalhousie Dental Clinic including patients treated in Eldercare; children attending the satellite dental clinic in Harbour View Elementary School and military personnel at CFB Halifax (Stadacona). The second year students also provided mouth care for residents in the Veteran’s Memorial Building. Four students participated in a two-week externship to Newfoundland and Labrador (Roddicton and Forteau) where students were provided a range of experience with patients needing periodontal debridement and experience with group instruction in oral health care.

In Term 1, second year students provided school children, grades 1 to 6 in five elementary schools, with classroom education on oral health. In Term 2, they provided in-service education to seniors and caregivers at a total of 20 sites.

The second year of the assignment incorporating didactic and experiential learning in health literacy was again successful. The students, working in groups, selected one of their table clinics and then translated the professional messages into plain language with appropriate graphics for the general public. The mall displays were timed to
coincide with April as Oral Health Month, at the time of National Dental Hygiene Week. All of these activities were under the supervision and guidance of Prof. Teanne MacCallum.

Second year students billed $76,156.00 for dental hygiene care from September 2010 to April 2011. Between March and April 2011, first year dental hygiene students provided care for 103 patients with a total billing of $3,296.00.

Under the supervision and guidance of Prof. Chris Robb, and as part of the BDH Alternate Practice Settings course, students were placed in the Mount Hope Centre (Nova Scotia Hospital), North End Community Health Centre, Northwood Care Incorporated, and St. Vincent’s Nursing Home. In these settings, students who were licensed dental hygienists became members of interprofessional health care teams and provided preventive oral care and education to disadvantaged populations. At the end of the course students gave well-received presentations about their experiences in these settings to their interprofessional team, faculty and classmates.

There was a 98% pass rate for graduating students on the National Dental Hygiene Board Examination.

### III Teaching Program

The full time faculty members in the School of Dental Hygiene were Dr. Joanne Clovis who was on sabbatical leave for the 2010-2011 academic year, Prof. Peggy Maillet, Prof. Terry Mitchell who was on sick leave for the year, Prof. Nancy Neish (Director), Prof. Cara Tax, Prof. Heather Doucette and Prof. Chris Robb.

Prof. Teanne MacCallum replaced Dr. Joanne Clovis and was responsible for the administration and evaluation of extramural activities associated with Population Health. Prof. Erin Fredericks replaced Dr. Clovis as the course director Health Policy. Profs. Peggy Maillet and Nancy Neish replaced Dr. Clovis as the course director for Applied Oral Health Research.

The part time dental hygiene faculty who contributed their valued expertise to the clinical program in 2010/11 included Profs. Burglind Blei, Tena Harris, Kim Haslam, Paulette Hawksworth, Susan Keating-Bekkers, Marcia Kohler, Teanne MacCallum, Maggie MacPherson, Palmer Nelson, Kelly O’Donnell, Angela Parker, Donna Pascher, Karen Reid, Karen Sutherland, Sheena Thompson and Colette Thistle.

There was a 98% pass rate for graduating students on the National Dental Hygiene Board Examination.

### A. Teaching Responsibilities

#### 1) Undergraduate Curriculum

**First Year Dental Hygiene Courses**

**Course Director**

DEHY2804 Radiology  
• Prof. C. Tax  
DEHY2805B Periodontics  
• Dr. C. Marquez  
DEHY2806C Dental Biomaterials Science  
• Dr. E. Sutow  
DEHY2809A Nutrition for Preventive Dentistry  
• Prof. Heather Doucette  
DEHY 2812 Fundamentals of Clinical DH-Theory  
• Prof. P. Maillet  
DEHY2816B Dental Hygiene Ethics  
• Prof. C. Tax  
DEHY2817 Fundamentals of Clinical DH –Clinical  
• Prof. P. Maillet  
DEHY 2820A Behavioural Foundations:Communication & Motivation  
• Prof. H. Doucette  

DEHY 2821B Behavioural Foundations:Counselling Techniques  
• Prof. H. Doucette  
DEHY 2822A Oral Anatomy & Dental Histology  
• Prof. A. Parker  
DEHY 2823 Embryology and Pathology  
• Prof. C. Robb  
DEHY2850 Intro to General & Oral Microbiology  
• Dr. Y. Li  
DEHY2851A Basic Human Anatomy  
• Dr. G. Allen  
DEHY2852B Gross Anatomy  
• Dr. I. Rot  
DEHY2853 Human Physiology  
• Dr. C. Penney  

**Second Year Dental Hygiene Courses**

**Course Director**

DEHY2601B Student Table Clinic  
• Prof. P. Maillet  
DEHY3001 Dental Hygiene Clinic  
• Prof. H. Doucette  
DEHY3002 Population Health  
• Prof. T. MacCallum  
DEHY3003 Exceptional Clients  
• Prof. C. Robb  
DEHY3005B Professional Issues  
• Prof. C. Tax  
DEHY3007A Pharmacology  
• Dr. C. Sinal  
DEHY3009 Dental Specialties  
• Prof. N. Neish  
DEHY3014 Pain, Fear & Anxiety Management for Dental Hygienists  
• Prof. N. Neish  
DEHY3015 Clinical Oral Pathology  
• Prof. C. Robb  
DEHY3016 Study Group-Clinical Cases  
• Prof. K. Haslam  
DEHY3017 Clinical Periodontics  
• Dr. E. Ghiabi
2) Post Graduate Curriculum

Bachelor of Dental Hygiene Courses

Course Director

DEHY4001 Introduction to Health Research
  • A. Webster
DEHY4002 Applied Oral Health Research
  • Profs. P. Maillet & N. Neish
DEHY4003 Alternate Practice Settings
  • Prof. C. Robb
DEHY4004 Teaching Methodologies
  • Prof. C. Tax
DEHY4005 Case Studies
  • Prof. P. Grant
DEHY4006 Health Policy
  • Prof. E. Fredericks
DEHY4007 New Venture Creation Entrepreneurship
  • Prof. P. Dunn
DEHY4008 Independent Study
  • Prof. P. Maillet – Coordinator, BDH Program

B. Educational Innovations

1) Curriculum and Instructional Resources

Development

The teaching and the courses offered in the diploma and BDH programs were consistently rated highly by students in these programs. Each year faculty review and revise their course offerings. Some of the educational innovations offered by faculty were:

• Burglind Blei became the course director for Professional Issues. In the Health Law section of the course modifications were made to address the new generation of dental hygienists who will be able to practice independently. The course continues to evolve in conjunction with evolving changes in society and its technological influences on the dental hygiene practitioner.
• Heather Doucette introduced Tobacco Dependence Education into the first and second year dentistry curriculum. She also developed a "cultural" component into the dental hygiene and dentistry Tobacco Dependence program that was funded through IHRTP.
• Kim Haslam, incorporated peer and self evaluation after the end of each case that allowed students to reflect on their learning after each case and to set goals for the next case. She also incorporated discussion forums on OWL for posting learning issues, treatment plans and power point presentations and included a section on 'net etiquette’in the course manual.
• Teanne MacCallum utilized the THCU Online Health Program Planner to help groups of 6-7 students plan several different programs using the 6 step process of 1) project management, 2) situational assessments, 3) goals, audiences and outcomes, 4) strategies, activities and outcomes objectives, 5) indicators and 6) review of the plan, summary and conclusions.
• Peggy Maillet introduced and implemented mandatory loupes into the diploma program; and in collaboration with Prof. Heather Doucette introduced Tobacco Dependence Education into the first and second year dentistry program as well as developing the 'cultural' component into Tobacco Dependence Education funded through IHRTP.
• Nancy Neish coordinated the inclusion of the administration of local anesthesia into the dental hygiene curriculum for second year diploma and bachelor degree students.
• Christine Robb designed a rubric to evaluate BDH students' fieldwork in the Alternate Practice Settings course.

C. Administrative Activities Related to Teaching:

1) Course Director Positions

Heather Doucette

- DEHY 2820 & 2821 Behavioral Foundations
- DEHY 2809 Nutrition for Preventative Dentistry
- DEHY 3001 Dental Hygiene Clinic

Heather Doucette was second year dental hygiene clinic coordinator and was a guest lecturer in D4223 Periodontology IV, and an IPL module content expert and facilitator for “Tobacco Dependence Education”. She organized and facilitated Orientation Day for applicants to the Diploma in Dental Hygiene program and coordinated the Labrador Grenfell externship.

Peggy Maillet

- DEHY 2812 Fundamentals of Clinical DH-Theory
- DEHY 2817 Fundamentals of Clinical DH – Clinical
- DEHY 2601B Student Table Clinic
- Program Coordinator – BDH
- DEHY4008 Independent Study (BDH)
- DEHY 4002 Applied Health Research
- Course Director, Student Table Clinics DENT/DENQ 3211.01
- Unit Director for Scholarship Across the Curriculum
- DDD1, DDS2, DDS3, DDS4

Peggy Maillet coordinated both the first year dental hygiene clinic and the Bachelor of Dental Hygiene program. She was unit director for Scholarship Across the Curriculum for all four years of dentistry and Table Clinics for dental and dental hygiene students. She was also an IPL facilitator for “Tobacco Dependence Education” and a faculty supervisor for the Health Mentors Program.

Nancy Neish

- DEHY 3009 Dental Specialties
- DEHY 3014 Fear, Pain & Anxiety Management for Dental Hygienists

Nancy Neish was responsible for ensuring that all courses had a course director, provided feedback to faculty from student Course Representatives meetings, and implemented revisions to the curriculum based on student, alumni and faculty recommendations. She assisted in the design and implementation of the four IPL modules, the Wellness Seminars for first year dentistry and dental hygiene students; co-taught the Mindfulness for Health Care Professionals elective with Dr. John Lovas; was guest lecturer in the Dental Hygiene Ethics course and a faculty supervisor in the Health Mentors Program.

Chris Robb

- DEHY2823 General Pathology and Embryology
- DEHY3015 Oral Pathology
  - Ortho module
  - Restorative module
- DEHY3003 Exceptional Clients + Oncology
- DEHY4010 Alternative Practice Settings

Christine Robb coordinated the Stadacona rotation and the Orthodontic Module, supervised students at Harbour View Elementary School Dental Clinic and was an instructor in first year radiology and first and second year clinic. She was the course director for an elective DEHY3901 Restorative Techniques for Dental Hygienists. During Dalhousie’s Discover Day 2010, Prof. Robb with the assistance of BDH students, presented “What’s in Your Mouth”, a popular lecture for high school students that included both didactic and clinical experience.

Cara Tax

- DEHY 2825 Radiology
- DEHY 2816 Dental Hygiene Ethics
- DEHY4004 Teaching Methodologies and Practicum

Cara Tax has been instrumental in facilitating the transition to digital radiology in the Faculty of Dentistry and coordinating the placement of BDH students in clinical and didactic teaching assignments as part of the Teaching Methodologies and Practicum course. She was also a faculty supervisor in the Health Mentors Program.
3) Committee Membership Related to Teaching

Heather Doucette
- Member
  Academic Resource Committee (2010-present)
  Dental Hygiene Sub-Curriculum Committee (2009-present)
  Dental Hygiene Admissions Committee, (2010-Present)
  Dental Hygiene Sub-Curriculum Committee, 2007-Present
  School of Dental Hygiene Faculty Committee
- Chair
  Dental Hygiene Sub-Curriculum Committee, 2007-Present
- Member
  Academic and Clinic Coordinating Committee, 2007-Present
  CDHA Education Advisory Committee 2008-Present
  Dean's Advisory Committee 2007-Present
  ad hoc Four Year Dental Hygiene Degree committee -2010 –Present
  ad hoc Curriculum/Clinic Integration Committee 2011-Present
  ad hoc Committee on Professionalism (2010)

Peggy Maillet
- Member
  Academic Strategic Plan Working Group 2010-11
  Committee for Student Accommodation 2009-2011
  Committee for Program Pages Wireframes 2010
- Chair
  Dental Hygiene Sub-Curriculum Committee, 2007-Present
- Member
  Main Academic Standards, 2007-Present
  Main Curriculum Committee 2007-Present
  School of Dental Hygiene Faculty Committee
  Academic and Clinic Coordinating Committee, 2007-Present
  Dental Hygiene Admissions Committee, (2010-Present)
  Dental Hygiene Admissions Committee, (2009-present)
  Dental Hygiene Admissions Committee, (2010-Present)
  Dental Hygiene Admissions Committee, (2010-Present)

Nancy Neish
- Member
  Academic Strategic Plan Working Group 2010-11
  Committee for Student Accommodation 2009-2011
  Committee on Dalhousie Faculty of Dentistry Academic Evaluation 2009-2011
  Honorary Degrees Nomination Committee 2010-2011
  Ad hoc Committee on Pandemic Preparation 2009-present
  Ad hoc Committee to review Dalhousie Dental Clinic Medical History 2009
  Centennial Committee 2008-Present
  Dental Hygiene Admissions Committee, 2006-Present
  Alumni Affairs Committee, 2005 – Present
  Outstanding Alumnus Committee 2008-2011
  Committee for Students with Infectious Diseases, 2005
  Academic Awards Committee, 2004-Present
  Main Academic Standards, 2007-Present
  Dental Hygiene Sub-Curriculum Committee, 2005-Present
  School of Dental Hygiene, Tenure & Promotion
  Chairperson, Student Table Clinic Committee, 2007-Present
  Social Committee, Centennial Committee, 2011
  Academic Standards, DH1, 2007-Present

D. Awards for Teaching: N/A

IV. Papers, Books And Reports


Peer Reviewed Publications

Joanne Clovis

Nancy Neish

Reviews/Abstracts

- Peggy J Maillet, Heather J Doucette, Nancy R Neish, Cara L Tax, and Mary Ellen McCarvill “ Evaluation of Outcomes Following Changes to the Tobacco Cessation Counselling Program at Dalhousie University Faculty of Dentistry,” J. Dent Educ. 75(2): 190-256 2011
- N.R. Neish, J.P. Maillet, C.L. Tax, A.L. Leblanc; Evaluating Outcomes for the School of Dental Hygiene, Dalhousie University, Advancing Dental Hygiene Practice CDHA Conference; Halifax, NS; June, 2011
- Peggy J. Maillet, Simone d’Entremont, Danielle Newell, and Marian Hynes “Incidence of Student Clinician Injuries Occurring at Dalhousie University Dental Clinic” J. Dent Educ.75(2): 190-256 2011
C. Papers Read at Meetings

- Clovis JB, Matthews DC, Lawrence HP, Kotzer RD, Brilliant MGS, McNally ME, Filiaggi MJ. Dental visit frequency of community-dwelling adults aged 45 and older. 
- International Association for Dental Research. July 14-17, 2010, Barcelona, Spain. (Poster)
- Matthews DC, Clovis JB, Brilliant MGS, Lawrence HP, Kotzer RD, McNally ME, Filiaggi MJ. Comparison of clinical oral health status between seniors and pre-seniors. 
- International Association for Dental Research. July 14-17, 2010, Barcelona, Spain. (Poster)

E. Invited Lectures:

- Joanne Clovis:
  - Educational Technology and Distance Dental Education for Remote Areas in Scotland Dalhousie Faculty Development session, February 9, 2011;
- Cara Tax:
  - "Faculty Development: Mentoring the Faculty of Tomorrow" presented during the “Lunch and Learn” faculty development program at the Faculty of Dentistry, Dalhousie University.
  - "Faculty Development: A Cornerstone for Change in Dental Hygiene Education" presented at the Educator's Workshop at the CDHA National Dental Hygiene Conference, Halifax, NS: June 2011.

F. Reports/Technical Papers:

V. Research Activities

A. Completed During the Year

Tax CL, Doucette H, Neish N, Maillet JP.
- A Model for Cultivating Faculty Development Within a Community of Practice.

Joanne Clovis
- Increasing Capacity to Inform Oral Health Policy (CIHR SEED grant, 1 year)
  1. Forum (October 1, 2, 2010, St. John’s, NL)
  2. 14 Key Informant Interviews
  3. Videotaped demonstration of survey protocol for seniors
  4. Two Reports on Research Activities Participation in Proposal Development in 2 grant applications funded by the ICH grant.

J Peggy Maillet, Heather J Doucette, Nancy R Neish, Cara L Tax, and Mary Ellen McCarvill
- Evaluation of Outcomes Following Changes to the Tobacco Cessation Counselling Program at Dalhousie University Faculty of Dentistry, “J. Dent Educ.75(2): 190-256 2011

B. Projects in Progress

Tax CL, Doucette H, Robb C.
- A Comparative Study Using Radiographic Film Method and Digital Imaging Method.

John Lovas, David Whitehorn, Nancy Neish
“A study to examine the perceived enablers and obstacles to practicing mindfulness by participants in a “Mindfulness for Health-Care Professionals” course.

Joanne Clovis
- Kungatsiajuk: Supporting the Healthy Smiles of NunatuKavut Children
  Funding: Canadian Institutes of Health Research (CIHR) Operating Grant – 3 years ($170,105 in year one)
  This study will create and implement a sustainable, culturally appropriate oral health promotion and disease prevention program for children in NunatuKavut, located in the isolated south coast region of Labrador. Co-Applicant 2011-2014
- Changing Demographics: The Oral Health of our Aging Population.
  Funding: CIHR, NSHRF and Office of the Chief Dental Officer, Health Canada ($280,701)
  • Oral Care in Continuing Care Settings: Collaborating to Improve Policies and Practices
  Funding: NSHRF Operating Grant - Collaborative Health Research Project: ($49,9690
  A continuation of the previous grant to complete knowledge translation activities and resources. Co-Investigator 2010-2011.

C. Grant Submission in Progress

Joanne Clovis
Letter of Intent submitted for:
- Assessing the Uptake and Impact of Public Oral Health Insurance for the Low-Income Adult Population in Newfoundland and Labrador
  Funding: Canadian Institutes of Health Research ($100,000, each of 2 years)
  Operating Grant: Population Health Intervention Research (Fall 2011 Competition)
  The Government of Newfoundland and Labrador (NL) plans to address a key determinant of oral health - low income - in a new public insurance program beginning in January, 2012. This study will use standardized methods to collect data on a cohort of NL adults to determine program uptake and factors influencing uptake.

Heather Doucette, J. Peggy Maillet, Michelle Ravlo;
“- The Evaluation of the Inclusion of Cultural Competency in the Tobacco Dependency Education Curriculum at the Dalhousie University School of Dental Hygiene”

D. D. Undergraduate Student Research Supervision

Christine Robb
- Shana Thompson, Safina Walgee. “Biological sterilization monitoring service: A quantitative study.”

Cara Tax
- Mariam Kamal, Olu Brown. A Qualitative Study Comparing the Learning Experience of First Year Dental Hygiene Students Using Indirect Digital Method and Film Method.

Peggy Maillet
- Summer, 2010 – IHTRP student “An Evaluation of Dentistry and Dental Hygiene Interprofessional Learning Modules”

E. Postgraduate Student Research Supervision: N/A

F. Graduate Student Research Supervision

Dr. Joanne Clovis
- Invited member of PhD student committee in Faculty of Nursing, University of Alberta
- S. Cobban. “The effectiveness of various interventions to improve daily mouth care for residents of long-term care facilities – A systematic review.”
- Invited member of Masters of Community Health and Epidemiology Committee, Dalhousie N. Hajira. “Prevalence of Dental Caries in Nova Scotia Elementary School Children.”

G. Awards for Research: N/A

Nancy Neish
- Summer, 2010 – IHTRP student “An Evaluation of Dentistry and Dental Hygiene Interprofessional Learning Modules”

Heather Doucette
- Summer, 2010 – IHTRP student “Evaluation of Changes to The TCC program at Dalhousie University”

Dr. Joanne Clovis
- Invited member of PhD student committee in Faculty of Nursing, University of Alberta
- S. Cobban. “The effectiveness of various interventions to improve daily mouth care for residents of long-term care facilities – A systematic review.”
- Invited member of Masters of Community Health and Epidemiology Committee, Dalhousie N. Hajira. “Prevalence of Dental Caries in Nova Scotia Elementary School Children.”

G. Awards for Research: N/A
VI. Professional Development

A. Major Meetings Attended

Joanne Clovis
• *Health Literacy Maryland* launch with announcement of the Rudd Emerging Health Literacy Scholar Award, UMD SPH Center for Health Literacy, June 1, 2

B. Courses Attended

Cara Tax
• Educational Theory for Dental Radiology, July 9, 2010, University of North Carolina
• Carolina Institute of Dental Radiology Educators, July 10-14, 2010, University of North Carolina Faculty of Dentistry
• September 2010, Mental Case: Electronic Flashcard Program—Dr. Bob Loney
• New Models of Clinical Teaching: Towards Development of Action Plans for the Faculty Vision; Dalhousie Faculty of Dentistry Retreat, June 2010
• October 2010: Health Care Provider CPR Recertification (Dal CE)
• Feb, 2011: Knowledge of DH Practice in NS: Jurisprudence Course CDHA Module
• Review of Entry-Level Competencies for NDHCB, Feb 2011 (Dal)
• CDHA Educators Workshop, Halifax, NS; June 2011

Chris Robb
• Local Anesthesia for Dental Hygienists 2010 - 2011
• CPR - November 2010 and May 2011
• New Models of Clinical Teaching: Towards Development of Action Plans for the Faculty Vision; Dalhousie Faculty of Dentistry Retreat; June 2010
• July14-16/10 “Oral Pathology Institute’ University of North Carolina School of Dentistry
• Electronic Curriculum: Dalhousie University Sept 2010
• Review of Entry-Level Competencies for NDHCB, Feb 2011 (Dal)
• CDHA Educators Workshop, Halifax, NS; June 2011

Peggy Maillet
• May, 2011: Health Care Provider CPR Recertification (Dal CE)
• May, 2011: Local Anesthesia for The Dental Hygienist (Dal CE)
• New Models of Clinical Teaching: Towards Development of Action Plans for the Faculty Vision; Dalhousie Faculty of Dentistry Retreat; June 2010
• Feb, 2011: Knowledge of DH Practice in NS: Jurisprudence Course CDHA Module
• Electronic Curriculum: Dalhousie University Sept 2010
• Review of Entry-Level Competencies for NDHCB, Feb 2011 (Dal)
• CDHA Educators Workshop, Halifax, NS; June 2011

Nancy Neish
• Oct, 2010: Health Care Provider CPR Recertification
• Feb, 2011: Knowledge of DH Practice in NS: Jurisprudence Course CDHA Module
• Electronic Curriculum: Dalhousie University Sept 2010
• New Models of Clinical Teaching: Towards Development of Action Plans for the Faculty Vision; Dalhousie Faculty of Dentistry Retreat; June 2010
• Review of Entry-Level Competencies for NDHCB, Feb 2011 (Dal)
• CDHA Educators Workshop, Halifax, NS; June 2011

Heather Doucette
• Teaching Methodologies, Dalhousie University, January 2010
• 11th Annual Dental Hygiene Educators Workshop, “The Amazing Race of Clinical Education”, UT Health Science Center, San Antonio Texas, May 2010
• Electronic Curriculum, Dalhousie University, September 2010
• Review of Entry Level Competencies for NCHCB, Dalhousie University, February 2011.
• Local Anesthesia for the Dental Hygienist, Dalhousie University, May 2011
• New Models of Clinical Teaching: Towards Development of Action Plans for the Faculty Vision; Dalhousie Faculty of Dentistry Retreat; June 2010
• CDHA Educators Workshop, Halifax, NS; June 2011

C. Conferences Attended

Joanne Clovis
• Canadian Dental Hygienists Association Conference, Halifax, NS, June 9 to 11
• National Oral Health Conference, Pittsburgh, Pennsylvania, April 9 to 13
• National Dental Association Symposium, Howard University, Washington, DC, April 15
• International Symposium on Dental Hygiene, Glasgow, Scotland, July 1-3, 2010,
• International Association for Dental Research, Barcelona, Spain, July 14-17, 2010

Chris Robb
• CDHA Educator’s Workshop, Halifax, NS; June 2011

Peggy Maillet
• ADEA, Interprofessional Education: Teaching and Learning Together for Better Health
• March 2011, San Diego, California
• Advancing Dental Hygiene Practice, CDHA National Conference, Halifax NS; June 2011

Nancy Neish
• ADEA, Interprofessional Education: Teaching and Learning Together for Better Health
• March 2011, San Diego, California
• Advancing Dental Hygiene Practice, CDHA National Conference, Halifax NS; June 2011

Heather Doucette
• ADEA, Interprofessional Education: Teaching and Learning Together for Better Health
• March 2011, San Diego, California
• Advancing Dental Hygiene Practice, CDHA National Conference, Halifax NS; June 2011

Cara Tax
• Advancing Dental Hygiene Practice, CDHA National Conference, Halifax NS; June 2011
VII. Service Commitments

A. Departmental

Heather Doucette
- **Member**
  - DH Faculty Committee
  - Member, DH Sub-Curriculum Committee
  - 1st and 2nd year student advisor
  - Table Clinic Advisor

Peggy Maillet
- **Member**
  - DH Faculty Committee
  - Member, DH Sub-Curriculum Committee
  - Program Coordinator BDH
  - 1st and 2nd year student advisor
  - Table Clinic advisor

Nancy Neish
- Director, School of Dental Hygiene
- **Chair**
  - DH Faculty Committee
  - DH Sub-Curriculum Committee
  - Ad hoc Four Year Dental Hygiene Degree Committee
  - Ex officio: 1st, 2nd and BDH Academic Standards Committee
  - 1st & 2nd year student advisor
  - Table Clinic advisor

Chris Robb
- **Member**
  - DH Faculty Committee
  - DH Sub-Curriculum Committee
  - Chair, DFA Travel Committee
  - 1st & 2nd year student advisor
  - Table Clinic Advisor

Cara Tax
- **Member**
  - DH Faculty Committee
  - DH Sub-Curriculum Committee
  - Chairperson, 2nd Year Dental Hygiene Academic Standards Committee
  - 1st and 2nd year student advisor
  - Table Clinic Advisor

B. Faculty

Heather Doucette
- **Member**, Academic Resource Committee
- IPL Facilitator

Cara Tax
- **Member**
  - Main Academic Standards (2008-present)
  - Student Table Clinic Committee (2008-present)
  - Ad hoc Committee on Professionalism (2010)
  - Ad hoc Committee on Student Accommodation (2010)
  - Ad hoc Committee on Digital Radiography (2009-present)

Chris Robb
- **Member**
  - Continuing Dental Education Committee Member

Janoce Clovis
- **Member**
  - Main Academic Standards Committee

Peggy Maillet
- **Member**
  - Committee on Dalhousie Faculty of Dentistry Academic Evaluation
  - Social Chair, Centennial Committee

E. National

Nancy Neish
- Educator’s Advisory Committee, CDHA
- CDHA Member
- CDHA Educators Group
- Article Reviewer, Canadian Journal of Dental Hygiene
- Article Reviewer, Journal of Dental Education

Chris Robb
- CDHA Educator’s Group
- Item Question Reviewer NDHCE

C) University

Joanne Clovis
- University Committee on Tenure & Promotions Panel

Nancy Neish
- **Member**
  - IPHE Senate Committee
  - IPHE Working Group
  - Health Mentors Program Committee
  - Supervisor, Health Mentors Program

Peggy Maillet
- Supervisor, Health Mentors Program

Joanne Clovis
- Member, CDHA
- CDHA Educator’s Group
- **Member**
  - National Dental Hygiene Certification Exam Committee
  - Hearing Committee College of Dental Hygienists of Nova Scotia

Nancy Neish
- Responded to community requests for information on topics such as fluoridation, fluorides, and dental hygiene practice. Provided information to a municipal leader in the Cape Breton Regional Municipality who contacted me regarding support for an upcoming plebiscite that was later reported as successful in maintaining fluoridation.

Peggy Maillet
- Editorial Board CJDH, 2008-present
- Manuscript Reviewer, CJDH, 2008-present
- Social Committee Member, Canadian Dental Association Convention, 2011
• Reviewed Entry-level Competencies for NDHCE, 2011
• Project with Khulud Maghreby, “Funding for Professional Education Research: An Interview Study with Corresponding Authors” University of Dundee, 2011
• Manuscript Reviewer for Journal of Applied Oral Science, 2010
• Evaluator for the Outstanding Research Award CDHA, 2010
• Item Question Reviewer NDHCE 2006-present
• Project with Univ. of Detroit Mercy, Loma Linda University and Dalhousie University – survey on usage of Social Media, 2011
• Social Chair, Canadian Academy of Endodontics Convention, St. John’s, Nfld, 2008
• Accreditation Site Reviewer (CDAC) 2008, 2010, VCC and Georgian College
• Social Committee Member, Canadian Academy of Endodontics Convention, Halifax, 2003
• Member, CDHA
• CDHA Educator’s Group

Heather Doucette
• Member, CDHA
• Abstract reviewer, CDHA

Christine Robb
• Member, CDHA

E. International:

Cara Tax
• Member, ADEA

Joanne Clovis
• Session Chair, Scientific Group: Behavioral, Epidemiologic, and Health Services Research. Oral Session Title: Pain and Anxiety International Association for Dental Research. Session Date: Saturday, July 17, 2010, Barcelona, Spain.

Peggy Maillet
• ADEA Member
• ADEA Special Interest Group – Tobacco Cessation

Heather Doucette
• Member, ADEA

Nancy Neish
• Member, ADEA
I. Clinic and Building Services: Members of the Unit

Assistant Dean
  • Blaine M Cleghorn DMD MS

Clinical Services (includes Pre-clinical Services and Central Sterilization)
Coordinator - Audra Hayden
Jennifer Avery
Kim Berkers
June Bonin
Cathy Bradley-Thibodeau
Shirlene Danscause
Glenn Fall
Sylvia Fleet
Marjorie Holms-Laursen
Melissa Landry
Maureen LaPierre
Laurie Leadbetter Mitchell
Kathy Lunn
Catherine MacNeil
Pam Miller
Josephine Moore
Mary Lou Myers
Leanne Paddock (contract employee)
Angela Pitman
Janice Ruppert
Carol Sauve
Natasha Smith
Beryl Snider
Rebecca Taylor (contract employee)
Juliette Thomas
Debbie Tibbo
Jennifer Wallace

Manager
  • Bruce Moxley MA Ed

Patient Services (includes Dental Stores)
Coordinator - Kathy McInnis
Ellyce Anderson
June Bonin
Diana Conrad
Kore-Lee Cormier
Ann Faulkner
Michelle Fiske
Jacqui Hindlet
Archie Hutchison
Tammy Mayne
Cindy Morgan
Valerie O’Neill
Angela Pitman
Sandra Wallace

Building Services
Coordinator - Tammy Chouinard
Robert Creaser

Technical Services
Supervisor - Ron McDonald
Robert Sidebottom

Dental Instructional Resources
Supervisor - Marilyn Klein
Karen Sherwood

Dental Lab
Supervisor - Bruce Friis
Yeong Mi Baek
Jennifer Brown
Mary Ellen Doolittle (left early 2011)
Lana Ein
Heather Greenwood (retired)
Elaine Johnson
Brenda Landry
John Matthew
Richard Redhead
Mark Rudderham
Overview

The Faculty of Dentistry, through the Office of Clinics and Building Services, organizes and operates an outpatient dental care hospital facility. This hospital provides a full range of clinical experiences for more than 160 dentistry students and 84 dental hygiene students providing an extensive range of oral health care to thousands of Atlantic Canadians of all age groups. On an annual basis the dental and dental hygiene students are actively caring for over 8,000-10,000 patients annually. The care of these patients involves in excess of 25,000 appointments each of which is approximately 2 1/2 hours in length. About 1,100 new patients attended the Treatment Planning Clinic and were accepted for care this past year.

2010/11 was an exciting year of changes and opportunities for the outpatient hospital clinics of the Faculty of Dentistry. While the dental and dental hygiene students continued to provide excellent oral health care to the people of Nova Scotia and to visitors, a number of new faculty members, lead by the new Dean, Dr. Tom Boran, provided energy and ideas for improving access to care for the public and new, clinic and academic opportunities for our students.

Faculty Practice Clinic:
The Faculty Practice Clinic is the intramural practice for members of Faculty. Three full time faculty members, offering a wide range of dental specialty care, now conduct their one-day per week private practice privileges in this Clinic. This clinic supports the undergraduate teaching clinics, provides extended care for patients too complex for students to manage and contributes to the revenue of the Dental Lab.

Emergency/Recall Clinic:
Directed by Dr. Chris Lee, a full time faculty member in Dental Clinical Sciences, he has reorganized the clinic so that senior students provide walk-in emergency care for students, visitors, the public, etc. Once the emergency has been managed, patients have the opportunity to continue their oral health care in our undergraduate student clinics or the Faculty Practice Clinic. Two senior students per day rotate through this clinic. Working with a full time, dedicated Dental Assistant, modern dental equipment and Dr. Lee’s supervision, these students experience a wide range of patient care needs in a fast paced, interactive environment. Experience in this clinic begins to simulate the time frames and patient demands of a real private practice environment. It is an excellent senior year experience.

The Emergency Recall Clinic has arranged with the Liver transplant team coordinator of Capital Health to set up a protocol so that this Clinic can pre-screen transplant patients with the team.

After Hours Emergency Patient Care:
The after hours oral health emergency care service provided by senior students for Clinic patients continued this year under Dr. April Nason’s excellent organization and supervision.

Access to Care Clinics:
Access to Care Clinics patients are cared for through the Dental Public Health student rotation under the supervision of Dr. Ferne Kraglund. Discussions continue about increasing access to oral health care to underserved populations through the new dental clinic at the North End Community Health Care clinic.

Pandemic Response Preparation – H1N1
This year we ensured as many of the faculty, staff and students were inoculated against this flu to increase protection for them in case of another related pandemic.

Technology Changes
Clinic Renewal continues:
This year we continued our clinic renewal by upgrading the following equipment:
1. New dental handpiece system for all clinic and pre-clinical use
2. Surgical handpieces for Oral Surgery
3. Adec dental chairs, lights, assistant instrumentation, delivery systems, operators stools and assistant stools for the Scican and Treatment Planning Clinics
4. ScanX intraoral imaging system units and PSP imaging plates for all clinics
5. Modular shelving for Dental Stores to upgrade their storage facility
6. Powergrip, Smartair suction, K5 Plus for the pre-clinical labs
7. Brasseler clinic metal bur blocks
8. Cavitron Plus, Steri-Mate handpiece single plus, eye protection system
9. LED curing lights
10. Sterisil water treatment systems
11. Belmont radiology heads for all clinical facilities.

In addition the following services were updated:
1. Radiology upgrades (includes changes to the darkrooms and installation of 26 new intra oral radiology heads on level 1 and 2)  
2. Preclinical Dispensary (includes changes to room 2471, the installation of phantom head storage and the addition of the preclinical radiology scanner room)
3. Clinical Faculty resource room

Radiology Systems:
Radiology systems changed to digital radiography on May 2, 2011. Effective that date all patient pan ceps
and intraoral radiographs were processed and available to all students, staff and faculty through the electronic health record axiUm. Digital radiographs are now an integral part of patient electronic record at chair side and can be viewed at any time through the students’ laptops.

Staff Training and Development:
This year the staff took part in the annual CPR recertification.

New Student Auxiliary Fees Support Major Facilities Renewal Funding:
With the new annual funding for facilities renewal now in place at the Faculty, considerable effort was spent during this past year to identify and prioritize facilities renewal projects and timelines. Facilities Management senior staff at the University have been instrumental assisting in these planning and logistics processes. The major project in 2010/11 was the tendering for supply of a new dental hand piece system and all the peripherals and support necessary to move to staff cleaning and lubrication processes. The new supplier is Adec with their W&H hand piece systems. The exiting 4th year students were able to have the new systems for their last four weeks of clinics. All students in all programs and for both preclinical and clinical care activities now have the new systems. An entire class set will be replaced every four years so the Faculty will never again have hand pieces that are years passed their effective use date.

Contract and design work is in process for renewal of the Central Sterilization suite, the clinics in Harbour View school in Dartmouth, and an extensive pre-planning process for renewal of the main clinics at the Faculty including the main entrance area, patient waiting rooms and lounge area.

New more efficient shelving and storage systems in our Dental Stores and Pre clinical Dispensary are being added.

New Student Auxiliary Fees Also Support New Student Services:
To improve technical support to the student laptop program a new computer Help Desk Service was staffed with temporary staff for 2010-11 and permanent staff for 2011-12.

To improve and support student and faculty use of the Clinic Information system, axiUm, a new staff position was created and staffed in 2011 as the new Clinic Information System trainer.

New Dispensary equipment and various upgrades for clinical care activities to support growing and changing dental technology demands.

DalDentX:
For several years, the Faculty of Dentistry has struggled to find an effective way to track the immunization status of student applicants. The solution came in the form of DalDentX. This intranet technology was first introduced as DalMedix in 2001. Developed by MedIT, this communication and collaboration tool has been used by the Faculty of Medicine for a number of years with great success. It has since been adapted to meet the needs of the College of Pharmacy (PharmX), School of Physiotherapy (ESP) and Dalplex (Athletix).

Due to the vast differences in procedures between Dentistry and Medicine, much of 2010/2011 was spent on the development and customization of DalMedix modules to ensure that only tools that are relevant to the Faculty of Dentistry were deployed.

The DalDentX immunization tracker was introduced to DDS and DH applicants (frosh) in April 2011. Students were asked to obtain their immunization details from their family physicians, and enter the data in DalDentX. The immunization data could then be reviewed during the application process allowing staff to identify deficiencies and potential problems with an application. Although there were still some bugs to be worked out, the end result was a big improvement from any procedures tried in previous years.

In September 2011, didactic timetables for DDS1, DDS2 and DH students were loaded into DalDentX. Students are automatically notified of class changes through a visual indicator on their schedule, as well as by email. The official faculty-wide launch of DalDentX is scheduled for October 2011. Faculty, Staff, Students and Alumni will have access to Departmental and Student Directories and Photo Galleries as well as an Event Calendar, and Notice Board which will eventually replace the TV notice boards.

Supporting Research:
The clinics continue to support clinical research projects of our faculty members. Dr. Martha Brillant in the Research Development office of the Faculty developed a very helpful Guide to Clinical Research for the Faculty to provide faculty with all the necessary contacts and questions to plan clinical research projects. Currently staff and equipment are supporting clinical visits, on and off campus. Please see the Dental Clinical Sciences section for more details.

The Grad Perio Program:
Extensive meetings and implementation processes have been put into place for the start of the new Graduate Perio Program which started in the Fall of 2011 with two students. The programs clinical facilities will be on level 1 in the Treatment Planning clinic area with an office and locker room adjacent.

Building Services:
2010 was a busy year for Building Services. In addition to general building maintenance and upgrades, the following projects were completed:

- Pre-Clinical Dispensary
- Clinic Supply Room
- Clinic Faculty Resource Room
- Clinical Services Staff Schedule Room
- Darwin Head Storage
- Radiology Reception & Darkroom
- Clinical Affairs Office Suite
- DIR Reception
- Research lab for Dr. Daniel Boyd (AOS)
- Research lab for Dr. Richard Price (DCS)
- Flooring in JD McLean
- Service counter in Dental Lab
- Service counter for Dental Stores

54 Dalhouse Faculty of Dentistry
Activities of The Assistant Dean - Clinics and Building Services
Blaine M Cleghorn

III. Teaching Program

Course Director
- DENT 1611 Occlusion & Neuromuscular Function
- DENT/DENQ 3212 Clinical Comprehensive Patient Care
- DENT 4212 Clinical Comprehensive Patient Care

Guest Lectures
- Patient Care III Medical Consults
- BDH Program Consent & Privacy
- Cariology I Field Isolation, Cariology and Class II Matrices and Restorations

Educational Innovations
- A web-based course in Dental Anatomy was developed in 2010-2011 using SoftChalk®. The online course material is currently being utilized by DDS/DMD programs at Dalhousie University, the University of Manitoba and East Carolina University.
- A web-based Mock OSCE exam has been developed as a study aid for the NDEB OSCE examination and is available in both French and English. The online resource has been endorsed and has been distributed to all of the Canadian dental faculties.

Awards for Teaching
- 2011 ACFD National Teaching Award

IV. Papers, Books And Reports

Books & Chapters

Published Peer-Reviewed Articles

Other Publications

Other Papers in Press

This is an invited paper for Dr. Leif Baklund (guest editor for Endodontic Topics)

Other Presentations

V. Research & Scholarly Activity

Grants

Patents

VI. Professional Development

Major Meetings Attended
- 2011 ADEA in San Diego, CA
- 2011 ACFD Conference in Montreal, QC

VII. Service Commitments

Committee Appointments
Public Health Agency of Canada
- 2011-present
Working Group Expert - Development of a national guidance document on preventing the transmission of bloodborne pathogens from infected healthcare workers to patients.

Association of Canadian Faculties of Dentistry
- 2010-present
ACFD Board member
Chair – Clinical Affairs Committee

Commission on Dental Accreditation
- 2011
University of Saskatchewan DMD Program accreditation site visit

National Dental Examining Board of Canada
- 2011-present
ACS (Assessment of Clinical Skills) Evaluator
- 2010-present
Assessment Coordinator, Dalhousie University

Canadian Dental Association
- 2010-present
Media expert in non-dentist providers of oral health care
Media expert in dentistry-related sterilization and infection control issues

North East Regional Board of Dental Examiners
- 2008-present
DSCE (Dental Simulated Clinical Exam) Committee
- 2005-present
NERB Examination Committee
NERB Exam Coordinator
External Tenure & Promotion Referee
- 2010
  Promotion to Professor
  University of California, Los Angeles, School of
  Dentistry, Division of Restorative Dentistry

Dalhousie University - Faculty of Dentistry
- 2010-present
  Main Academic Standards Committee - Chair
  Main Curriculum Committee - Chair
- 2008-2010
  Senate Computing and Information Technology
  Planning Committee (SCITPC) - member
- 2008-present
  Committee on Infectious Diseases - Chair
- 2006-present
  Dentistry Curriculum Sub-committee
  Dental Hygiene Curriculum Sub-committee
- 2004-present
  Chart Audit Sub-committee - Chair
- 2003-present
  Faculty Executive Council
  Academic Resources Committee
  Dean's Advisory Council
  Academic and Clinic Coordinating Committee - Chair
  Ad Hoc Committee on Management of Dental
  Emergencies

Dalhousie University
- 2006-present
  Open House – Demonstration of Dental Anatomy
  software

University of Manitoba
- 2010-present
  Member of the Scientific Advisory Board for University
  of Manitoba MBA students Nikki McNaughton, Alex
  Varricchio and Reba Cacatian) in the Business Venture
  Analysis course.

Other Professional Activities
Journal and Book Reviews:
- 2011-present
  Reviewer for American Journal of Physical Anthropology
- 2011-present
  Reviewer for Surgical and Radiologic Anatomy
- 2011-present
  Reviewer for BMC Medical Imaging
- 2010-present
  Reviewer for Archives of Oral Biology
- 2009-present
  Reviewer for Odontology
- 2008-present
  Reviewer for the Indian Journal of Dental Research
- 2001-present
  Reviewer for the Canadian Dental Association Journal
Faculty of Dentistry

DENTISTRY • DALHOUSIE UNIVERSITY