Our Faculty of Dentistry Family, 2011-2012
Dean’s Message 2

Faculty of Dentistry

Annual Report

July 1, 2011- July 31, 2012

REPORTS

Acknowledgements

Tammy Broussard

Deborah David

Rita Davis

Lorna Fraser

Marilyn Klein

Pat MacDonald

Jo-Anne Roski

Karen Sherwood

Jon Bruhm

Tammy Chouinard, Assistant Manager, Building Services

Mike Conrad, Manager, Finance & Personnel

Dianne Crouse, Manager, Continuing Education & Alumni Affairs

Audra Hayden, Assistant Manager, Clinical Services

Kathy McInnis, Assistant Manager, Patient and Information Services

Nancy Webb, Manager, Academic Affairs & Admissions

Applied Oral Sciences 6

Dental Clinical Sciences 16

Oral and Maxillofacial Sciences 36

School of Dental Hygiene 46

Dental Clinic and Building Services 56
Dean’s Message

This report provides the Faculty of Dentistry with an opportunity to inform all our dental family of the outstanding accomplishments of a very dedicated Faculty.

Our mission is to 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 and to ensure we fulfill our vision to promote integrity, competence and compassion while providing evidence-based ethical oral health care to all populations in collaboration with other health professionals.

I am very pleased to present the Annual Report of the Faculty of Dentistry which is a true reflection of our mission.

This past year is one we will remember for many years to come. Our Centennial Year was a time to celebrate our achievements. May 23-26, 2012 provided an opportunity to share this celebration with our founding fathers, the Nova Scotia Dental Association. Our events included a Meet and Greet at Pier 21, an exceptional array of Continuing Dental Education offerings from Faculty of Dentistry Family Presenters. This included faculty members, former faculty members, alumni and children of faculty members. It truly was a family educational experience. In addition we had various general interest sessions in order to appeal to all our registrants.

With the assistance of President Traves we had a special Faculty of Dentistry convocation. A special and unique opportunity for dentistry and dental hygiene to celebrate our Centennial Graduating Classes.

There were many social events as well, class reunions and opportunities for alumni to mingle with our staff and students through building tours, Live at Five and a Fun Run. Finally on the Saturday we had our explosive finale with our Celebratory Dinner, a last time to come together and celebrate our past with our alumni, friends, staff and students. It was truly a night to remember. You can relive all of our events and promotional videos on our website: www.dentistry.dal.ca.

In addition, I would like to highlight a special initiative that we embarked upon this past year – the year in which we celebrated our Centennial – to showcase to the world, the Faculty of Dentistry at Dalhousie.
We didn’t waste any time, this past June 9th, our Academic Dean, Dr. Ron Bannerman started the charge with our Curriculum Review and Renewal Action Plan. This will coincide with our Clinical Renewal Projects lead by our Dean of Clinics, Dr. Blaine Cleghorn. The academic year of 2012-2013 should prove to be an exciting year of discovery and innovation.

The past year has seen a few changes to our Faculty Family. Three of our long-time colleagues have retired, Ms. Sandy Mansfield, Mr. Bruce Moxley and Ms. Cathy Bradley-Thibodeau. I think you will agree it is sad to see our friends retire, but we also want each of them to know how much we appreciate their contribution to our Faculty and a big thank you. Best wishes from all of us as they begin the next leg of life’s journey.

We are also pleased to welcome new faculty members and staff members:

**Faculty**
- Dr. Terry Ackles, Part-Time, Division of Comprehensive Care, Department of Dental Clinical Sciences
- Dr. David Archer, Part-Time, Division of Comprehensive Care, Department of Dental Clinical Sciences
- Dr. Kirk Blanchard, Part-Time, Division of Periodontics, Department of Dental Clinical Sciences
- Dr. Michael Brown, Part-Time, Division of Removable Prosthodontics, Department of Dental Clinical Sciences
- Dr. Ronald Chafe, Part-Time, Division of Endodontics, Department of Dental Clinical Sciences
- Dr. Lindsay Dietrich, Part-Time, Division of Comprehensive Care, Department of Dental Clinical Sciences
- Dr. Sarah Foley, Part-Time, Division of Comprehensive Care, Department of Dental Clinical Sciences
- Dr. Ursula Lozowski, Part-Time, Division of Removable Prosthodontics, Department of Dental Clinical Sciences
- Dr. Marla MacAulay, Part-Time, Division of Periodontics, Department of Dental Clinical Sciences
- Dr. Amanda Miller, Part-Time, Division of Comprehensive Care, Department of Dental Clinical Sciences
- Dr. Heather Johnson, Part-Time, Division of Comprehensive Care, Department of Dental Clinical Sciences
- Dr. Arturo Merino, Full-Time, Division of Endodontics, Department of Dental Clinical Sciences

**Staff**
- Paul Hunter, Medical Device Reprocessing
- Bomin Myung, Medical Device Reprocessing
- Donna Dickie, Clinic
- Sandra Pereira, School of Biomedical Engineering

**Highlights**

This year was another year of outstanding scholarly accomplishments and genuine commitment to our Faculty Mission. In addition to our report, I would like to highlight a few accomplishments of our faculty and students.

1) Eight Dalhousie Dentistry and Dental Hygiene students presented their summer research at the annual Interprofessional Health Research Day (formerly known as Health Trainee Research Day) on November 16, 2011. Coralie Ayer, Samantha Brenton, Benjamin Lamarche, Jacqueline Levangie, Katherine Logan, Sarah Orser and Michelle Ravlo gave poster presentations and Danny Pond gave a platform presentation. Kudos to all on a job well done and congratulations to Samantha Brenton who was awarded first place in her research category.

- Coralie Ayer, Micro-hardness testing to determine the effect of different amounts of energy on the polymerization of dental resins when irradiated by different dental curing lights. (supervisor: Dr. Richard Price)
- Samantha Brenton, Effects of xerostomic medications on the oral health of older Nova Scotians. (supervisors: Dr. Mary McNally, Dr. Debora Matthews)
- Benjamin Lamarche, Developing Antimicrobial Dental Implant Surfaces (supervisor: Dr. Mark Filliaggi)
- Jacqueline Levangie, Stimuli Responsive Glass Ionomer Cements: a Preliminary Evaluation of Clinical Handling and Mechanical Properties (supervisor: Dr. Daniel Boyd)
- Katherine Logan, Is outpatient oral and maxillofacial procedural sedation using propofol alone safe and efficacious? (supervisor: Dr. Ben Davis)
- Sarah Orser, The effect of maxillomandibular advancement surgery on blood pressure. (supervisors: Dr. Susan Bourque, Dr. Reginald Goodday)
- Danny Pond, Investigation into the Factors Influencing Delays in Diagnosis and Treatment of Oral Squamous Cell Carcinoma. (supervisor: Dr. Chad Robertson)
- Michelle Ravlo, Should Tobacco Dependency Education Curriculum Contain a Cultural Specific Component? (supervisors: Prof Heather Doucette, Prof Peggy Maillet)
2) Equally as popular and outstanding was our Annual Faculty of Dentistry Table Clinic Presentations. Again this year we witnessed extraordinary talents and skills by our dentistry and dental hygiene students. Special thanks to Professor Peggy Maillet and the Table Clinic Team.

Winners of the 2012 Dalhousie Student Table Clinics, Feb. 10, 2012

Dentistry

1st place – Stephanie Smith
Current Choices for All-Ceramic Restorations: Evidence based Review with Clinical Guidelines for Material Selection - Advisor: M. Valee

2nd place – Aaron Lee
A cellular Dermal Matrix Allograft for the Treatment of Gingival Recession - Advisor: C. Marquez

3rd place – Ahmad Hussein
The Potential of live vaccines as a vehicle to target diseases of the oral cavity - Adviser: S. Lee

4th place – Safa Shawkat
Molar/Incisor Hypomineralization with Post-Eruptive Breakdown. The dollar and sense (cents) of restorative vs extraction - Advisor: R. Anderson

The next two prizes are selected by dental students:

DDSS Prize for Creativity – Sarah Lepine
Autistic spectrum disorders – social storytelling to improve oral hygiene and acceptance of dental care. - Advisor: J. MacLellan

DDSS Prize for Research – Katherine Logan
Safety and Efficacy of fentanyl and midazolom sedation in Oral and Maxillofacial surgery - Advisor: B. Davis

School of Dental Hygiene:

1st place – Jillian Dowhaniuk and Noele Lamarche
Halitosis: A Predictor of Ovulation
- Advisor: C. Robb

2nd place – Emily Ramsay and Chelsea Rankin
Swimmer’s Teeth: Staining and Erosion: Who is at risk? - Advisor: C. Robb

3rd place – Falyn Reynolds and Holly Johnson
Saliva Testing: Early Prediction of Periodontal Disease - Advisor: N. Neish

4th place – Heidi O’Brien and Michelle Ravlo
Omega 3: Is it Just a Fish Tale? - Advisor: H. Doucette

Again this year our Faculty Family has had a great deal of inspiring accomplishments. Here are some of the highlights.

The Dean’s Kudos List:

Ms. Natasha Chishti who was honoured at the Pierre Fauchard Academy Luncheon on Friday, August 5, 2011 as Dalhousie’s Student Clinician representative at the CDA/Dentsply Competition.

Ms. Olu Brown, our graduating class representative for 2011 was featured in Dalhousie Magazine Spring 2011.

Dr. Richard Price was featured in the Dalhousie Magazine, ‘Together We Can’. How his research and innovation creates knowledge workers and spin-off companies that find commercial application.

Ms. Diane Crouse has accepted an 18-month position as Manager of Continuing Dental Education. Diane will continue to work with Dr. Bob Loney and the CDE Committee to foster, promote, and innovate our enterprise of life long learning.

Dr. Mary McNally who received the Distinguished Service Award from L’Academie Pierre Fauchard on Friday, August 5, 2011 in Halifax at the PFA Luncheon.

Tracy Doyle and her husband on the announcement of the birth of their two boys William and Alexander, August 15, 2011.

Heather Doucette on winning the Provincial Triathlon held in Yarmouth on the weekend of August 13th 2011.

Dr. Reg Goodday received the Distinguished Service Award for long standing contributions to the oral and maxillofacial specialty and the dentistry profession from the Canadian Association of Oral and Maxillofacial Surgeons.

Jon Bruhm, our Alumni Officer, our summer students, Meghan Dunphy and Noele Lamarche, 2nd Year Dental Hygiene on a very successful launch of our Centennial Website. Please visit it, share with friends and colleagues, look at the video produced by So Jung Lee with assistance from Ahmad Hussein, two third year dentistry students.

“Our Faculty Family” as the proud recipients of the 2012 William J. Gies Award for Outstanding Achievement for a Dental Education Institution. This is a first for a Faculty of Dentistry in Canada. Our Faculty was chosen based on our superior demonstration of outstanding achievement as an academic dental institution in support of dental education. We were formally recognized at the Gies Award Celebration on March 19, 2012 at the ADEA Annual Session in Orlando, Florida.

Drs. Matthews and McNally who hosted the “Closing the Gap Workshop, Celebrating 10 years of Oral Health Research on Older Nova Scotians: The workshop opened with greetings from the Minister of Health Honorable Maureen MacDonald. The research group started with a $20,000 grant which grew into nearly $1.5 million in cumulative research funding.

Professor Peggy Maillet was granted tenure.

Drs. Sachin Seth, Mark Knechtel and Cynthia Andrews from the Department of Dental Clinical Sciences and Professor Kim Haslam from the School of Dental Hygiene on their successful completion and graduation with their Masters in Education.

Faculty of Dentistry for this year’s Homecoming Event, “The Second Annual Pumpkin Carving Contest”. Over 260 alumni, students, staff, faculty members and members of the Dalhousie Community cast their vote for their favorite pumpkins. Special thanks to our event organizer our own Mr. Jon Bruhm, Alumni Officer.

Dr. Mary McNally for her cross-appointment with the Department of Bioethics, Faculty of Medicine.

Bobby Nadeau, 1st year dentistry student as G2 Male Athlete of the Week. The Lac-Etchemin, QC native stood tall in the Tigers net on Tuesday, January 3, blocking 22 shots for a 5-4 overtime exhibition victory against UPEI, with outstanding performances on Tuesday and Saturday of that week as well.

Dr. John Lovas for offering the first ever for Dalhousie University, a mindfulness course for academic leaders.

Dr. Ferne Kraglund as our PR spokesperson for “Outreach” with CBC Radio and CTV interviews.

Dr. Cynthia Andrews, Dr. Mark Knechtel and Dr. Sachin Seth on their promotion to the rank of Assistant Professor.

Dr. Joanne Clovis, Dr. Blaine Cleghorn and Dr. Reg Goodday on their promotion to Full Professor.

Professor Nancy Neish on her reappointment as Director of the School of Dental Hygiene, July 1, 2012- June 30, 2017.

Dr. Ross Anderson and Dr. Mary McNally, Globe and Mail Feature “Oral Health” Thursday, April 12, 2012 “More than just perfect smiles”. Their contributions to the rather impressive newspaper insert for Oral Health Month.
Dr. Kathy Russell and her colleagues as recipient of the Berkowitz Study Award. This award is made annually to the primary authors of an article judged to be the best long-term outcomes study published in the Cleft-Palate-Craniofacial Journal. This award is in recognition of Dr. Russell and her research colleagues “Americleft” for a series of 5 cleft research papers.

Dr. Mark Filiaggi on his appointment of Associate Vice-President Research, effective July 1, 2012. This is a five year half-time appointment.

Dr. Tammy Wright for chairing the working group to develop a new Code of Ethics for the NSDA.

Jon Bruhm – with the development of his alumni connection program for new graduates. Connecting alumni in various centers of Canada and the United States with our new graduates.

Dr. Bob Loney, Dr. Sachin Seth and Dr. Richard Price on their invitational review of the pre-clinical curriculum at Temple University Faculty of Dentistry by Dean Amid Ismail. A post review quote by the Assistant Dean for Academic Affairs Maria Fornatera, “Each of you brought an enthusiasm, dedication and unique perspective to the work of the last 2 days that far exceeded our expectations”. Additionally, I felt like I made some friends in the process.

Dr. Danny Boyd on his promotional video about life sciences in Nova Scotia which has been launched with the support of ACOA, NSBI and ECBC. The film features Danny in his lab in Dentistry. Thanks to Danny it gives dentistry a place in the life sciences community globally.

Dr. Ben Davis completed his term as president of CAOMS (Canadian Association of Oral and Maxillofacial Surgeons)

Dr. Archie Morrison was appointed to the Foundation of CAOMS, Co-chair of national Committee on Oral and Maxillofacial surgery

Dr. Reg Goodday appointed to the Association of OMS Research Committee - Canadian Representative

After many years of outstanding service to our Faculty, Dr. Elliott Sutow has decided not to renew his post-retirement appointment. Thank you Elliott for your support and many contributions, you will be missed. We wish you good health and happiness!

Seven of our Dentistry and Dental Hygiene students who have recently started the Faculty of Dentistry Summer Research Program for 2012.
- Joubin Saffary will be working with Dr. Daniel Boyd to investigate injectable glass ionomer cements for spine repair
- Amanda Demsey will analyze the clinical oral health status data of NunatuKavut children as part of the Kungatsiajuk study. She will be supervised by Dr. Mary McNally.
- Patricia Logan will be assessing the burden of dental disease of Nova Scotia Emergency Departments with Dr. Chris Lee.
- Lauren MacGregor will be researching the use of propofol-only sedation during oral and maxillofacial procedures. She will be supervised by Dr. Benjamin Davis.
- Devika Ganju will be working with Dr. Mark Filiaggi to develop antimicrobial dental implant surfaces.
- Sean Curley will evaluate anti-cancer drug release from a new type of injectable calcium, under the supervision of Dr. Mark Filiaggi.
- Nabil Moussa will work with Drs. Susan Bourque and Reginald Goodday to study the effect of maxillomandibular advancement surgery for sleep apnea on blood pressure

Congratulations everyone! You are truly amazing!

As you can see our Faculty of Dentistry had another amazing year. Year of outstanding accomplishments and celebrations. I can’t think of a better way to end 100 years of fulfilling our Faculty Mission of Excellence in Education, Research and Service!

As the 20th Century Philosopher, Simone de Beauvoir once said “One’s life has value so long as one attributes value to the life of others, by means of love, friendship, indignation and compassion”. Let us continue to embrace our Faculty Family values as we embark on the beginning of the next 100 years of excellence.

Dr. Kathy Russell, the first recipient of the Gladys Littler Award. This annual award recognizes a staff member (non faculty) who exemplifies a high level of commitment, high standards of performance and outstanding service to the Faculty of Dentistry. Well done Gordie!
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

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
Department of Radiology, Faculty of Medicine

Dr. Mark J. Filiaggi, BScEng (Penn), MASc, PhD (Toronto), Associate Professor
School of Biomedical Engineering, Faculties of Medicine and Engineering
Department of Radiology, Faculty of Medicine

Dr. Song F. Lee, BSc, PhD (Guelph), Professor
Department of Pediatrics, Faculty of Medicine

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
Like the little engine that could, Applied Oral Sciences continues to be a productive and vital unit within the Faculty, despite the ever-present challenges of a small department – especially as they relate to personnel changes. Dr. Michael Lee was on sabbatical leave for 2011-2012, having just returned from a year-and-a-half as Acting Associate Dean in the Faculty of Graduate Studies; we look forward to having Dr. Lee back in the fold in the coming year. Sadly, this academic year marked the end of Dr. Elliott Sutow’s contributions to our program after four years in a post-retirement appointment. A scholar and a gentleman, Dr. Sutow’s compassion for students and passion for the science and proper utilization of dental materials will be greatly missed. After three and a half decades of service to our Faculty, he deserves every moment with a fishing pole he can muster!

Through course offerings primarily in biomaterials and microbiology as well as our active involvement in clinic and curriculum renewal, AOS remains 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 central to our mission. To this end, we continue to make great strides in our core biomaterials and microbiology research programs, and in applying these results to real world problems. As evidence, Dr. Daniel Boyd and collaborators were the winners of the first BioInnovation Challenge at BioPort Atlantic recognizing the development and ‘commercial viability’ of OccluRad glass particles in treating uterine fibroid tumors. We have also been undergoing some much-needed infrastructure and equipment renewal to underpin our efforts moving forward. Overall, funding within AOS supports 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 tumors and chronic bone infections, to strategies aimed at preventing biofilm formation on implants and tooth surfaces, to fundamental studies of collagen degradation – 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 Past-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 related to the property requirements and performance of dental materials, 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.

We are ever reminded of the dedicated technical staff on whose daily support we rely, and gratefully acknowledge the efforts of Maxine Langman and Gordon Hall for ongoing laboratory training and technical support that remains so incredibly vital to an efficient and fruitful research environment. We are especially proud to have “Gordie” as the inaugural recipient of the Gladys Littler Award, which recognizes “a high level of commitment, high standards of performance and outstanding service
to the Faculty of Dentistry. Those at the ceremony marking the occasion witnessed a truly rare and remarkable moment: Gordie at a loss for words!

As always, the department remains indebted to Denise Lynds-Brown for her invaluable administrative support, especially her uncanny ability to decipher the hieroglyphics we have come to know as Dalhousie's financial system.

III. Teaching Program

A. Teaching Responsibilities

1) Undergraduate Curriculum

Dr. Daniel Boyd
- D3000.06R, Basic Sciences for Dentistry - Dental Biomaterials Science Module
- DENT211R Dental Biomaterials Science (Co-Course Director)
- DEHY2806B- Dental Hygiene Biomaterials Science

Dr. Mark J. Filiaggi
- D3000.06R, Basic Sciences for Dentistry - Dental Biomaterials Science Module (Course Director)
- DENT211R Dental Biomaterials Science (Co-Course Director)
- DENT3117 Foundation Sciences in Clinical Practice (Course Director)

Dr. Song F. Lee
- DEHY2850 (MICI1200) Introduction and General Oral Microbiology
- 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 (Course Director)
- D3000.06R, Basic Sciences for Dentistry - Dental Biomaterials Science Module

2) Postgraduate Curriculum

Dr. Daniel Boyd
- BMNG 5110 Biocompatibility and Biomaterials Design
- BMNG 5410 Directed Reading - Bioactive Clinical Materials

Dr. Song F. Lee
- PERI 5100.06 Basic Sciences for Graduate Dentistry

Dr. Yung-Hua Li
- PERI 5100.06: Basic Sciences for Graduate Dentistry

3) Elective - Undergraduate Students Supervised

Dr. Daniel Boyd
- Joubin Safray, DDS2, Summer 2012
- Lauren Kiri (Summer Intern) 2012

Dr. Mark J. Filiaggi
- Sean Curley, DDS1, Summer 2012
- Devika Ganju, DH1, Summer 2012

Dr. J. Michael Lee
- Julia Harrison (NSERC Summer student, Acadia University)

Dr. Song Lee
- Crystal Ng (NSERC Summer Student and Honors thesis)
- Ashley Bitar (IWK Summer Student and Honors thesis)
- 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
- Victoria Dickinson, MASc. candidate, Biomedical Engineering, Principal Supervisor
- Nancy Kilcup, PhD candidate, Biomedical Engineering, Principal Supervisor

Dr. Mark J. Filiaggi
- Patricia Comeau, PhD Candidate, Biomedical Engineering, Principal Supervisor
- Arash Momeni, PhD Candidate, Biomedical Engineering, Principal Supervisor
- Peter Halford, Masters in Periodontics Candidate; Faculty of Dentistry, Principal Supervisor
- Matthew Shaffner, MSc Candidate, Oral & Maxillofacial Surgery; Faculty of Dentistry, Principal Supervisor

Dr. J. Michael Lee
- Caitlin Pierlot, PhD Candidate, Biomedical Engineering, Co-Supervisor with Sarah Wells
- Sam Baldwin, PhD Candidate, Physics and Atmospheric Science, Co-Supervisor with Laurent Kreplak
Dr. Song Lee
- Lauren Davey, PhD candidate, Department of Microbiology & Immunology
- Farhan Khan, M.Sc. candidate, Department of Microbiology & Immunology
- Maram Hulbah, M.Sc. candidate, Department of Microbiology & Immunology
- Badii Al-Bana, PhD candidate, Department of Microbiology

Dr. Yung-Hua Li
- Naif Jalal, MSc candidate, Microbiology and Immunology
- Dr. Yung–Hua Li

4) Post Graduate Students

Dr. Daniel Boyd
- Sharon Kehoe, Post-Doctoral Fellow
- Xiao Fang Zhang, 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
- Sarah McAlpine, Post Doctoral Fellow (co-supervisor)

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
- Matthew Shaffner, MSc Candidate, Oral & Maxillofacial Surgery; Faculty of Dentistry

Dr. Mark J. Filiaggi
- Hung-Wei Liu, MASc candidate, Process Engineering and Applied Sciences
- Andrew Allan, MASc. candidate, Biomedical Engineering
- Brett Dickey, MASc. candidate, Biomedical Engineering
- Melanie Holmes, MASc candidate, Process Engineering and Applied Sciences
- Victoria Dickinson, MASc. candidate, Biomedical Engineering

Dr. J. Michael Lee
- Robert Leslie, MASc candidate, Biomedical Engineering Rachel Wise, MASc 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
- Naif Jalal, MSc candidate, Department of Microbiology and Immunology
- Farhan Khan, M.Sc candidate, Department of Microbiology and Immunology

6) External to Dalhousie University

Dr. Daniel Boyd
- Mark Looney, PhD candidate, Cork Institute of Technology, Ireland
- Xiao Fang Zhang, PhD candidate, Cork Institute of Technology, Ireland

Dr. J. Michael Lee
- Brendan Flynn, PhD candidate, Northeastern University, Dept. of Mechanical Engineering

B. Educational Innovations

1) Curriculum Development

Drs. Daniel Boyd and Mark Filiaggi continued to refine 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 are 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.

As co-principal investigator, Dr. Michael Lee has been working with a new NSERC CREATE Program in Regenerative Medicine (partner universities Laval, Dalhousie, Ottawa, Toronto, Alberta, UBC) to develop a novel, multi-centre curriculum which will underpin graduate training in this leading edge field across Canada. The curriculum included a Summer School offered in conjunction with the Canadian Biomaterials Society’s annual conference, and core courses delivered to multiple centres via video/electronic conferencing.

Dr. Lee was also an external expert reviewer for university-level studies of two Biomedical Engineering programs at other universities. He reviewed the graduate program in Biomedical Engineering at the University of Western Ontario as well as a proposed new undergraduate program in Biomedical Engineering at McGill University. In each case, on-site visits were followed up with substantial written reviews intended to guide the evolution and improvement of each program.

C. Administrative Activities Related to Teaching

1) Course Director Positions

Dr. Daniel Boyd
- DENT2111R Dental Biomaterials Science (Winter term).

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

Dr. Song F. Lee
- MICI 3119 Physiology of the Prokaryotic Cell
- DEHY2850 (MICI1200) Introduction and General Oral Microbiology

Dr. Yung-Hua Li
- DEHY 2850.03: Introduction to general and oral microbiology,
- DENT 1118.01: 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.
III. Papers, Books and Reports

A. July 2011 - June 2012 Publications

Dr. Daniel Boyd


Dr. Mark J. Filiaggi


Dr. J. Michael Lee


Dr. Song F. Lee

- Brown, TH.T, J. David, E. Acosta-Ramirez, J. M. Moore, Dr. Song F. Lee
- Krumhansl	KA,	Lee	JM,	Scheibling	RE	(2011)	Grazing
- Ariganello	MB,	Simionescu	DT,	Labow	RS,	Lee	JM,	Phase	Transformations
- S	Kehoe,	RJ	Abraham,	D	Boyd,	Optimisation	of	an	Experimental	Composite	Nerve	Guidance	Conduit

Dr. Mark J. Filiaggi

- JM Bray, MJ Filiaggi, CV Bowen, SD Beyea; Degradation and Drug Release in Calcium Polyphosphate Bioceramics: An MRI-Based Characterization; Acta Biomaterialia, accepted May 2012.

Dr. Derek W. Jones

- Oral Health, Getting your teeth into Standards, ISO Focus + (Accepted May 2012)
- Celebrating Fifty years of International Dental Standards, J. Can Dent Assoc. (Accepted May 2012)
- Dental Standards: Fifty years of Development, Brit. Dent. J. (Accepted May 2012)
- Smile with Standards, ISO Focus + (Accepted June 2012)

C. Papers / Abstracts Read at Meetings

Dr. Daniel Boyd

- XF Zhang, S Kehoe, H O’Shea, D Boyd, Preliminary Mechanical and Biological Evaluation of a Novel Material for Peripheral nerve Regeneration, European Society for Biomaterials 2011, Dublin

Derek W. Jones

- A New Improved Range of Fillers for Composites, D.W.Jones1 A.S.Rizkalla2 and G.C.Hall1. Dalhousie
Dr. J. Michael Lee
- Veres SP, Lee JM, Molecular Level Damage in Mechanically Overloaded Tendon Collagen, Canadian Microscopical Society, Halifax, May 2012.

Dr. Song F. Lee
- Khan, F., S.A. Halperin, and S.F. Lee. 2012. Anti-Fusobacterium nucleatum single chain antibody library: construction and adherence identification. The 90th General Session of the International Association for Dental Research (IADR). June 20-23, Iguazu Fall, Brazil. (Placed 1st in the senior basic research category in the Canadian Association for Dental Research Students Competition and 2nd in the Hatton Award competition, IADR).

Dr. Yung-Hua Li

D. Papers Submitted

Dr. Daniel Boyd

Dr. Mark J. Filiaggi
- ME McNally, D Matthews, J Clovis, M Brilliant, M Filiaggi; The Oral Health of Aging Baby-Boomers: A Comparison of Adults aged 45-64 and those 64+. Submitted to Gerodontology

Dr. J. Michael Lee
- Doane JAE, Lee JM, Wells SM, Structural-mechanical changes in the pericardium during pregnancy, American Journal of Physiology (H): Heart and Circulation
- Veres SP, Harrison JM, Lee JM, Strain-induced discrete plasticity in tendon collagen fibrils is not inhibited by crosslink stabilization, ASTM Journal of Biomechanical Engineering
- Veres SP, Harrison JM, Lee JM, Repeated sub-rupture overload causes progression of nanoscaled discrete plasticity damage in tendon collagen fibrils, Journal of Orthopaedic Research

Dr. Song F. Lee

E. Invited Lectures

Dr. Daniel Boyd
- Alfred University, School of Biomedical Engineering ‘Materials for Trans-arterial Chemo-embolization’ November 2011

Dr. Mark J. Filiaggi
- Dr. JD McLean Lecture: Dalhousie Research and its Impact on Dental Practice, Continuing Education Session, Faculty of Dentistry Centennial Celebrations; June 2012

G. Papers in Preparation

Dr. Daniel Boyd

Dr. Mark Filiaggi
- JB Clovis, DC Matthews, M Brilliant, M McNally, M Filiaggi. Self-reported oral health among Nova Scotian adults aged 45 years and older as indicators of oral health status

Dr. J. Michael Lee

F. Reports/Technical Papers

Dr. Daniel Boyd

Dr. Mark Filiaggi
- JB Clovis, DC Matthews, M Brilliant, M McNally, M Filiaggi. Self-reported oral health among Nova Scotian adults aged 45 years and older as indicators of oral health status

Dr. J. Michael Lee

Dr. J. Michael Lee
IV. Research Activities

A. Completed During the Year

Dr. Daniel Boyd
- 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)

Dr. Mark J. Filiaggi
- 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)
- 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 5 others); CIHR Regional Partnership Program Grant; $278,268 (total) (2008 – 2011)
- 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. (total $432,250) (2007-2011)

Dr. Song F. Lee
- Cell surface modulation in Streptococcus mutans (Principal Investigator), NSERC Discovery Grant, 2005-2011, $148,000
- Linking innate and specific immunity to develop single dose vaccines for neonates (Co-Investigator, PI: L. Babik); Grand Challenges in Global Health, The Gates Foundation, 2005-2011, $7,000,000

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

B. Projects in Progress

Dr. Daniel Boyd
- Commercialisation of a Radiopaque Spherical Embolic Agent (Principal Investigator); CIHR PoP (Operating Grant), $159,000 total (2012-2013)
- The effect of strontium ranelate on bone consolidation during distraction osteogenesis of the rabbit mandible (Co-Investigator); Dalhousie University, Department of Surgery Seed Grant, $50,000 total (2012-2013)
- Developing an Oral Health Clinical Research Enterprise in Nova Scotia (Principal Investigator); NSHRF REDI, $9,500 total, (2012-2013)
- Product Development of the OccluDel Embolic Delivery System and OccluRad Pre-filled Capsules (Co-Investigator) Innovacorp, Early Stage Commercialisation Fund, $45,000 total (2012-2013)
- Stimuli responsive glass ionomer cements for ART (Principal Investigator) NSHRF Establishment grant, $148,000 total (2012-2015)
- Minimally Invasive Systems for Bone Augmentation (Principal Investigator); Atlantic Canada Opportunities Agency (ACOA) / Atlantic Innovation Fund; $330,478 (2011 – 2015)
- Infrastructure for Research and Development of Glass Based Biomaterials (Principal Investigator)
- Canadian Foundation for Innovation – Leaders Opportunity Fund; Infrastructure Grant, $323,101

Dr. Mark J. Filiaggi
- Calcium Phosphate Processing Strategies for Delivery of Therapeutic Agents (Principal Investigator); NSERC / Discovery Grant; $100,000 total (2010 – 2015)
- Commercialization of CaP Liquid Embolic System (Principal Investigator); Innovacorp Early Stage Commercialisation Fund; $49,500 (2012 – 2013)
- 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 (2011 – 2016)
- An implantable, subcutaneous, piezoelectric hearing aid (Collaborator; R Adamson [PIA] and 2 others); Nova Scotia Health Research Foundation/Research Project Grant; $126,000 total (2010 – 2013)
- An Integrated NSERC CREATE Training Program in Biomedical Device Innovation (co-Applicant with GN Maksym [PI] and 6 others); NSERC Collaborative Research and Training Experience Program Grant; $1,607,980 (2009 – 2015)

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)
- Phagocyte response to nanoscale overload damage in collagen fibrils (Principal Investigator); Faculty Research Fund; $8,800 (2012 – 2013)

Dr. Song F. Lee
- Cell surface modulation in oral streptococci (Principal Investigator); NSERC Discovery Grant; $30,000 (2011-2012)

Dr. Yung Hua Li
- Functional genomic analysis of a peptide antibiotic-sensing and response regulon in Streptococcus mutans (Principal Investigator); CIHR operating grant; $387,575 (2011 – 2014)
- Functional genomic approaches to identifying virulence-associated gene in Streptococcus mutans (Principal Investigator); CIHR-Nova Scotia Regional Partnership Program New Investigator Award: $30,000/yr, 2007-2012.
C. Planned Research
D. Undergraduate Student Research Supervision
See Section III above.
E. Postgraduate Student Research Supervision
See Section III above.
F. Graduate Student Research Supervision
See Section III above.
G. Awards for Research
See grant awards described in the preceding sections.

V. Professional Development

A. Major Meetings Attended
Dr. Mark J. Filiaggi
• ISO/TC 106 meeting, Phoenix, Arizona, USA (September 18th – 24th 2011)
Dr. Derek W. Jones
• ISO/TC 106 meeting, Phoenix, Arizona, USA (September 18th – 24th 2011)
• Meeting FDI Task Team on the mercury issue, Mexico City, September 14th 17th 2011
• FDI Science Committee meeting, Mexico City, September 14th 17th 2011

B. Courses Attended
Dr. Mark J. Filiaggi
• Curriculum Mapping: A Fresh, Fact-Based Approach to Curriculum Design; Centre for Learning and Teaching
• How to Measure Students’ Knowledge, Clinical Skills and Performance; Dr. Philip Bashook (University of Illinois); Faculty Development Session, Dentistry; December 2011
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
• European Society for Biomaterials, Dublin, September 2011
• Society for Interventional Radiology, San Francisco, March 2012
Dr. Mark J. Filiaggi
• 36th Annual Meeting of the CADR & 41st Annual Meeting of the AADR, Tampa, Fla., March 2012
Dr. Yung-Hua Li
• The BIT 1th Annual Symposium of Antimicrobial Research (SAR-2011), Beijing, China, Dec. 1-3, 2011.

VI. Service Commitments

A. Departmental

B. Faculty
Dr. Daniel Boyd
• Continuing Education Committee
Dr. Mark Filiaggi
• Research Development & Advisory Committee (Chair, ex-officio)
• Organizing Committee: ACFD Biennial Conference
• Curriculum Renewal (Adhoc) Committee
Dr. J. Michael Lee
• Member, University Senate, representing Faculty of Medicine
Dr. Song F. Lee
• Tenure & Promotion Committee (Chair)
• Prosthodontist Search Committee
Dr. Yung Hua Li
• Research Development & Advisory 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
• Curriculum Committee for School of Biomedical Engineering
Dr. Mark Filiaggi
• Dentistry Representative, Institute for Research in Materials Advisory Committee
• Dalhousie Research Advisory Committee
• Senate Review Committee for the Faculty of Medicine
• Chair, Steering & Implementation Committee, Integrated Health Research Training Partnership
• Search Committee, Scientific Director – Atlantic Health Promotion Research Centre
• Task Force to Review the Atlantic Centre of Excellence for Women’s Health
• Chair, Committee to Review the Director, Institute for Research in Materials
• Poster Judge, IHRTP Interprofessional Health Research Day
• Management Committee, Atlantic Health Promotion Research Centre
• Organizing Committee, “Future of Materials Research” conference to celebrate IRM’s 10th Anniversary
Dr. J. Michael Lee
• Advisory Committee, Institute for Research in Materials

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

Dr. Yung Hua Li
• Chemical Safety Committee

D. National

Dr. Daniel Boyd
• Grant Reviewer – NSERC

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

Dr. Yung-Hua Li
• Grant Reviewer: NSERC, CIHR

Dr. J. Michael Lee
• Chair, CIHR Peer Review Panel on Biomedical Engineering, December 2011
• Member, CIHR Peer Review Panel on Clinical Trials (B), May, 2012
• External Reviewer: Biomedical Engineering Graduate Program, University of Western Ontario
• External Reviewer: Biomedical Engineering Undergraduate Program, McGill University
• Invited Participant: CIHR Self-study of Peer Review and Grant Programs
• External Examiner: PhD Thesis, Biomedical Engineering, McGill University
• Member, Steering Committee, NSERC CREATE Program in Regenerative Medicine

Dr. Song F. Lee
• External examiner, Ph.D. thesis, University of Alberta
• External examiner, M.Sc. thesis, Dalhousie University
• Review of Canada Research Chair application
• Review of a grant application to the Canadian Bovine Mastitis

E. International

Dr. Daniel Boyd
• Co-Chair (Two sessions) at the European Society for Biomaterials, Dublin, September 2011
• Reviewer for European Society for Biomaterials, Dublin, September 2011
• Acted as peer reviewer for a number of journals including (but not limited to): Materials Science and Engineering C; Journal of Non-Crystalline Solid; Acta Biomaterialia

Dr. Mark J. Filiaggi
• Canadian Delegate, Canadian Advisory Committee to ISO/TC 106 – Dentistry, SC1 (Filling and Restorative Materials); SC2 (Prosthodontic Materials); WG10 (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), 2006-present
• Member, Science Committee, International Dental Federation (FDI)
• Member FDI Task Team on the mercury issue
• Member IADR, DMG Task Group on Dental Amalgam

Dr. J. Michael Lee
• Co-Chair, 10th World Biomaterials Congress, Montréal, 2016
• External Examiner, PhD Thesis, Mechanical Engineering, Northeastern University, Boston

Dr. Yung-Hua Li
• External reviewer: Future Microbiology; Archives for Oral Biology; Sensors
I. Dental Clinical Sciences: Members of the Department

**Acting Chair:**
Robert W. Loney, D.M.D., M.S., Professor

**Full-Time:**
Ross D. Anderson, D.D.S., D. Paed. Dent., M.Sc., FRCD(C), FICD(H), FPFA(H), Assistant Professor
Cynthia L. Andrews, D.D.S., M.Ed., Assistant Professor
Ronald A. Bannerman, D.D.S., M.Sc., M.Ed., Assistant Professor and Assistant Dean of Academic Affairs
Thomas L. Boran, D.D.S., M.Ed., Associate Professor and Dean Faculty of Dentistry
Blaine Cleghorn, D.D.S., Professor and Assistant Dean of Clinical Affairs
Linda Cochrane, Bsc., D.D.S., Instructor
M. Gorman Doyle, D.D.S., M.S., Assistant Professor
H. Wayne Garland, D.D.S., M.Sc., Assistant Professor
Jack Gerrow, D.D.S., M.Sc., M.Ed., Professor
Edmond Ghiabi, D.M.D., Dip. Perio., M.M.Sc., Assistant Professor
Mark Knechtel, D.D.S., M.Ed., Assistant Professor
Ferne Kraglund, B.Sc., D.D.S., M.Sc., Assistant Professor
Chris Lee, D.D.S., M.Sc. Pharm, GPR, Assistant Professor, Director of Emergency Clinic
I. Christian Marquez, D.D.S. M.Sc. Assistant Professor
Debora C. Matthews, D.D.S., Dip. Perio., M.Sc., Professor and Chair (sabbatical)
Mary McNally, B.Sc., D.D.S., M.Sc., Associate Professor
Arturo Merino, DDS, MS, Assistant Professor
Sachin Seth, B.Sc., D.D.S., M.Ed., Assistant Professor

**Part-Time:**
Terry Ackles
Phil Amys
David Archer
Michelle Banville
Michelle Belliveau
Kirk Blanchard
Paul Bourque
Gina Bouchard
Tom Boyle
Michael Brown
Robert Brygider
Chris Cameron
Debra Carter
Ron Chafe
John Christie
John Cox
Blake Creaser
Stephen Creaser
Alfred Dean
Lindsay Dietrich
Ian Doyle
Tracy Doyle
Heather Dyment
Asile El-Darahali
Andrew Emanuele
Leity Erickson
Linda Farrell
Sarah Foley
Bruce Friis
Sura Hadad
Nada Haidar
Peter Haford
Kim Haslam
Heather Johnston
Greg Jones
Reena Kapadia
Vivian Khouri
Suzanne Kennedy
Richard Kratz
Brian Latwaitis
Terrie Logue
Ursula Lozowski
Wayne Maillet
David MacAdam
Marla MacAulay
Daniel Macintosh
Scott MacLean
Jennifer MacLellan
Barry MacLeod
Carl McDermott
Stacey Matheson
Maud McEvoy
Amanda Miller
Sayed Mirbod
Sathy Murty
April Nason
Andrew Nette
Graham Nickerson
Lillya Nikolcheva

Graham Opie
Atul Pruthie
David Purdy
Richard Raftus
Wayne Ramier
Stuart Richardson
Raquel Roth
Stephen Roth
Stacie Saunders
Jessica Schow
Vernon Shaffner
Carla Sherman
Gerry Solomon
Arthur Spencer
Mark Sutherland
Frances Tompkins
Lloyd Tetreau
Graham Usher
Mark Vallee
Widad Wdaa
Daryl West
Michele Wilson
Tamara Wright
Paula Yliheikkila
George Zwicker

**Support Staff:**
Susan Corkum
Angela Faulkner
The last academic year was one of celebration for both the Department of Dental Clinical Sciences (DCS) and our Faculty of Dentistry. A number of our department members were able to attend the ADEA Dinner in Orlando in March to see Dalhousie’s Faculty of Dentistry receive the Gies Award for Achievement by an Institution. Similarly the Department figured prominently in the Faculty’s 100th Anniversary Celebrations in May with members providing presentations, organizational help and assistance with Centennial events. Besides celebrating, DCS was productive in terms of our teaching commitments, scholarly activities and service commitments.

Teaching Program
Teaching has always been the core of what we do in our department. At convocation, Dr. John Cox was announced as the W.W. Wood Award recipient for 2012, while the Dalhousie Dental Student Honour Award for Teaching for a full time faculty member was renamed for and presented to Dr. Gorman Doyle who has been the recipient many times. Dr. Ross Anderson was the W.W. Wood Award for Teaching Excellence recipient for 2011. Dr. Mark Vallee was the Dalhousie Dental Student Honour Award for Teaching for a part time faculty member. Congratulations all!

Our faculty members continue to be innovative in their educational methodologies. Dr. Cleghorn’s web-based course in Dental Anatomy is used by three other dental schools in their curriculum, and his web-based Mock OSCE remains very popular. Our Removable Prosthodontics website is currently being used by 9 other dental faculties and is ranked as the #1 hit on Google searches for ‘removable prosthodontics’. Dr. Cynthia Andrews continues her work in the development of the highly successful Health Mentors Program that introduces health professional students to patient with various chronic diseases. Three of our faculty members, Drs. Mark Knechtel, Sachin Seth and Cynthia Andrews received their Master’s in Education from Acadia University this year, while Dr. Kathy Russell and Dr. Blaine Cleghorn were promoted to Full Professors, and Dr. Debora Matthews began a well deserved year long sabbatical – congratulations on those milestones! Drs. Sachin Seth, Richard Price and Bob Loney were invited to review the preclinical undergraduate programs in restorative dentistry at the Kornberg School of Dentistry, Temple University, Philadelphia in May 2012. We hope that the connections we established will result in continued cooperation between our universities in the future.

The Graduate Program in Periodontics, under the direction of Dr. Ed Ghiabi admitted its first students. Drs. Christian Marquez, Tammy Wright and Debora Matthews have worked to help with the teaching in this, our newest graduate program. Dr. Chris Lee has been working diligently to bring a Dental General Practice Residency to our Faculty for 2013. That proposal has been approved by the Faculty of Dentistry and awaits Senate approval prior to its inception. Dr. Arturo Merino was hired in a term position in Endodontics. We are happy to welcome him to help with teaching in that discipline.

On a sad note we lost one of DCS’s most beloved members, Dr. Robert MacDonald this summer. We’ll not soon forget Bob’s talents and charm – he was a teacher, mentor and friend to so many. Our department is better for his contributions.

Research
In research it was another banner year for our department. The total cumulative value of all active grants/contracts on which DCS members were named as PI or co-PI this year was $4,858,569, a truly outstanding measure of our increased research capacity. Dr. Blaine Cleghorn and Dr. Ferne Kraglund were members of a research team that received a $1.2 million grant from the US National Institutes of Health for a study that
Dalhousie Faculty of Dentistry

Aims to develop an intraoral probe to assess individual teeth for early signs of caries. Dr. Debora Matthews was awarded $600,000 from CHIR and $225,000 in partnership funding to establish a Network for Canadian Oral Health Research involving representatives from all ten Canadian dental faculties. Dr. Matthews was also part of a team that received $2.08 million from the CIHR for the study “Identifying Novel Markers of Alveolar Bone Loss. Dr. Mary McNally received a $100,000 Knowledge Translation Supplement grant for her project ‘Brushing up on Mouthcare: Facilitating uptake of a daily oral care program in Continuing Care’. Dr. Richard Price was awarded a Nova Scotia Health Research Foundation REDI Research Skills Training for advanced training course on FT-IR spectrometry in addition to a $25,000 CIHR Dissemination Events grant to fund a gathering of researchers to discuss the problem of poor longevity of dental resins. Dr. Kathy Russell along with her colleagues on the Americleft project were the recipients of the Berkowitz Study Award made to the authors of the best long-term outcomes study published in the Cleft Palate-Craniofacial Journal. Drs. Sachin Seth, Richard Price and Ed Ghiabi represented our department at the 2012 American Association for Dental Research (AADR) annual meeting, in Tampa FL, in March.

Patient Care

Patient care continues to evolve at our main dental clinic on University Avenue with plans for major renovations over the next several years. Digital radiography is fully online and improved thanks to departmental input from Drs. Cleghorn, Cochrane, Knechtel and Garland among others. Electronic charting is also progressing with the implementation of Ubi-Keys to approve electronic progress note entries. Work is continuing on the electronic periodontics module.

Our Outreach Clinics remain a focus and include the Eldercare care for frail elderly, Sponsored Care program for immigrants and refugees, Dental emergency clinic, Labrador clinics, and pediatric dental clinics in Harbourview and North Preston. Drs. Ferne Kraglund and Chris Lee continue to work with the North End Community Centre to plan service for this vulnerable community as well as planning and implementing clinical rotations to Natuashish, Labrador.

In news related to patient care, Dr. Ross Anderson was featured in an article “Toothbrushing, dentist trips should start early” as part of a Canadian Dental Association supplement in the Globe and Mail newspaper, along with the lead article featuring Drs. McNally and Matthews.

Our Divisions of Pediatric Dentistry and Orthodontics were part of a review of the Dental Department of the IWK Health Centre in early March. The Dental Department is highly respected at the local, national the international levels and we anticipate a favorable report as Dr. Anderson’s team works to bring a Graduate Residency Program in Pediatrics to Dalhousie University and the IWK.

2012 has been an amazing year for our department. As we look to 2013, DCS continues to grow, innovate and celebrate our achievements. We are grateful to work together on such a dedicated, talented and genuinely cooperative team!

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
- DENT 2400 Pediatric Dentistry II
- DENT 3400 Pediatric Dentistry III
- DENT 4400 Pediatric Dentistry IV
- QPSM DENQ 3001 Pediatric Dentistry Summer Module
- DEHY 3009 Dental Hygiene Dental Specialties
- Medicine I
- Medicine III

Cynthia Andrews
- DENT 1511
- DENT 1503
- Dalhousie Health Mentors Program
- Oral Medicine Unit for Med 1 students.

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

Blaine Cleghorn
- DENT 1611 Occlusion & Neuromuscular Function
- DENT/DENQ 3212 Clinical Comprehensive Patient Care
- DENT 4212 Clinical Comprehensive Patient Care
- DENT/DENQ 3211 Patient Care III
- DENT 1411 Cariology I

Linda Cochrane
- DENT 1211 Patient Care I
- DENT 1411 Cariology I
- DENT 2412 Clinical Comprehensive Patient Care
- DENT 2413 Endodontics II
- DENT 2511 Periodontics II
- DENT 2211 Patient Care II
- DENT 2212 Patient Care II
- DENT/DENQ 3618 Clinical Prosth
- DENT/DENQ 3220 Clinical Comprehensive Care
- DENT 4220 Clinical Comprehensive Care
- Dental Hygiene Local Anesthetic module supervision

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

**Tracy Doyle**
• DENT 2400 Pediatric Dentistry II
• DENT 3400 Pediatric Dentistry III
• DENT 4400 Pediatric Dentistry IV
• QPSM DENQ 3001 Pediatric Dentistry Summer Module
• DEHY 3009 Dental Hygiene Dental Specialties
• Medical Clerk III
• Medicine I
• Medicine III

**Heather Dyment**
• DENT 2400 Pediatric Dentistry II
• DENT 3400 Pediatric Dentistry III
• DENT 4400 Pediatric Dentistry IV
• QPSM DENQ 3001 Pediatric Dentistry Summer Module
• DEHY 3009 Dental Hygiene Dental Specialties
• DENT 3117 Foundation Sciences in Clinical Practice
• DENT 2611 Removable Prosthodontics II
• DENT/DENQ 3619 Didactic Prosthodontics III
• DENT/DENQ 3220 Treatment Planning III
• DENT/DENQ 3211 Patient Care

**Wayne Garland**
• DENT 2412 Cariology II
• DENT 2413 Endodontics II
• DENQ 3001 Cariology B Summer Module
• DENT 3001 Endodontics Summer Module
• DENT/DENQ 3217 Clinical Endodontics
• DENT/DENQ 4217 Clinical Endodontics
• DEHY 3009.01 Dental Specialties, Endodontics

**Ed Ghiabi**
• DENT 1114 Histology
• DENT 4223 Periodontology IV
• DENT 4510 Surgical Periodontics Elective
• DENT 4509 Implant Elective
• DENT 3117 Foundation Sciences in Clinical Practice

**Mark Knechtel**
• DENT 2212/2212 Patient Care II
• DENT 2611 Removable Prosthodontics II
• DENT/DENQ 3220 Treatment Planning III
• DENT/DENQ 3117B Foundation Sciences in Clinical Practice
• DENT 4220 Treatment Planning IV
• DENT/DENQ 3619 Prosthodontics III
• DENT4616 Prosthodontics IV
• Dental Hygiene Supervision
• Dental Hygiene Local Anesthetic Module
• Dental Hygiene Faculty Local Anesthetic
• Qualifying Program Summer Module

**Ferne Kraglund**
• DENT/DENQ 3220 Treatment Planning
• DENT 4220 Treatment Planning
• DENT/DENQ 3212 Clinical Comprehensive Patient Care
• DENT 4217 Clinical Comprehensive Patient Care
• DENT 2211 Clinical Patient Care II
• DENT 2212 Patient Care II
• DENT/DENQ 3211 Patient Care
• DENT 1411 Cariology (as well as Module A for CP students)
• DENT 4508 ART elective
• DENT 4517 Dental Public Health Elective
• DENT 3617 Cariology (as well as Module A for QP students)
• DENT 4508 ART elective
• DENT 4517 Dental Public Health Elective
• Demonstrator for dental hygiene anesthesia sessions
• Supervision of student rotations at the North End Community Health Centre dental clinic

**Chris Lee**
• DENT 4220 Comprehensive Care
• DENT/DENQ 3220 Comprehensive Care
• Emergency/Recall Clinic 4 half days per week
• Multiservice clinic 4 half days per week
• DENT 3618 Prosthodontics
• DENT 4616 Prosthodontics
• DENT3211 – Patient Care

**Robert Loney**
• DENT 2611 Removable Prosthodontics II
• DENT 3619 Didactic Prosthodontics III
• DENT 3217 Patient Care III
• DENT 3211 Foundation Sciences in Clinical Practice III
• DENT 4616 Prosthodontics IV

**Jennifer MacLellan**
• DENT 2400 Pediatric Dentistry II
• DENT 3400 Pediatric Dentistry III
• DENT 4400 Pediatric Dentistry IV
• QPSM DENQ 3001 Pediatric Dentistry Summer Module
• DEHY 3009 Dental Hygiene Dental Specialties
• DENT/DENQ 4217 Clinical Endodontics
• DEHY 3009.01 Dental Specialties, Endodontics

**Sachin Seth**
• DENT/DENQ 3001.06R Cariology A
• DENT/DENQ 4217 Clinical Endodontics

**Robert Loney**
• DENT 2611 Removable Prosthodontics II
• DENT 3619 Didactic Prosthodontics III
• DENT 3217 Patient Care III
• DENT 3211 Foundation Sciences in Clinical Practice III
• DENT 4616 Prosthodontics IV

**Ferne Kraglund**
• DENT/DENQ 3220 Treatment Planning
• DENT 4220 Treatment Planning
• DENT/DENQ 3212 Clinical Comprehensive Patient Care
• DENT 4217 Clinical Comprehensive Patient Care

**Robert Loney**
• DENT 2611 Removable Prosthodontics II
• DENT 3619 Didactic Prosthodontics III
• DENT 3217 Patient Care III
• DENT 3211 Foundation Sciences in Clinical Practice III
• DENT 4616 Prosthodontics IV

**Jennifer MacLellan**
• DENT 2400 Pediatric Dentistry II
• DENT 3400 Pediatric Dentistry III
• DENT 4400 Pediatric Dentistry IV
• QPSM DENQ 3001 Pediatric Dentistry Summer Module
• DEHY 3009 Dental Hygiene Dental Specialties
• DENT/DENQ 4217 Clinical Endodontics
• DEHY 3009.01 Dental Specialties, Endodontics

**Christian Marquez**
• DENT 2511.03 Periodontology II
• DEHY 2805.01 Periodontics
• DENT/DENQ 3001.06 Clinical Dental Sciences for Dentistry in Canada (Periodontology Module)

**Debora Matthews**
• DENT 1211 Patient Care I, EBD Module
• DENT 2512 Evidence-Based Dentistry
• DENT /DENQ 3219 Evidence-Based Dentistry
• DENT/DENQ 3001 EBD Module

2) Postgraduate Curriculum

**Ross Anderson**
• Program Director, Paediatric Dental General Practice Residency
• Paediatric Dental General Practice Residency Attending Staff
• Paediatric Resident Training, IWK Health Centre
• ERP Fellow and Resident Training, IWK Health Centre
Cynthia Andrews
• Lecturer, Medical Education Elective for post-graduate residents, Faculty of Medicine
• DENT 1503 (Periodontics Clinical Teaching Elective

Tracy Doyle
• Paediatric Dental General Practice Residency Attending Staff

Heather Dyment
• Paediatric Dental General Practice Residency Attending Staff

Jennifer MacLellan
• Paediatric Dental General Practice Residency Attending Staff

Kathy Russell
• Clinical Instructor: Dental Student Rotation IWK Health Centre

3) Elective - Undergraduate Students Supervised

Ross Anderson
• DENT 4507 – Pediatric Dentistry Elective

Ron Bannerman
• DENT 4509 Implant Elective

Gorman Doyle
• DENT 4509 Implant Elective

Heather Dyment
• DENT 4507 – Pediatric Dentistry Elective

Ed Ghiabi
• DENT 4510 Surgical Periodontics Elective
• DENT 4509 Implant Elective

Ferne Kraglund
• DENT 4517 Dental Public Health Elective
• DENT 4508 ART elective

Jennifer MacLellan
• DENT 4507 – Pediatric Dentistry Elective

Richard Price
• DENT4508 Elective in Advanced Restorative Techniques

Mark Vallee
• DEN 4509 ART Elective
• DEN 4509 Implant Elective

4) Faculty of Graduate Studies

Ed Ghiabi
• PERI 5100 Basic Sciences for Graduate Dentistry
• PERI 5110 Clinical Periodontics I
• PERI 7150 Literature Review in Periodontics

Christian Marquez
• PERI 7130.09 Graduate Dentistry Seminars

Debora Matthews
• PERI 5120.03 Evidence-Based Dentistry and Biostatistics in Graduate Dentistry
• PERI 7170.18 Research Practicum in Graduate Dentistry

Tammy Wright
• PERI 5110 Clinical Periodontics I
• PERI 7150 Literature Review in Periodontics
• PERI 7130 Graduate Dentistry Seminars

5) Graduate Thesis Committees

6) External to Dalhousie University

Debora Matthews
• American Dental Association, Evidence Based Dentistry, Evidence Reviewer Workshop Leader
• Mentor to ADA Evidence Reviewers for published critical summaries on http://ebd.ad.org/Default.aspx

Richard Price
• External examiner for University of Toronto thesis: ‘Gingival Microleakage of Class V Resin Composite Restorations with Fiber Inserts’ By Walaa Magdy Ahmed
• Mentor for 2012 AADR presentations MQ AlQahtani, MM ALShaafi – Faculty at King Saud University, Riyadh, Saudi Arabia
• T. Haenel, a PhD candidate from Bonn-Rhein-Sieg, Germany, studying the properties of dental resins
• S. Bhatt, Tufts – Effect of Curing Light and Restoration Location on Energy Delivery. Presented at AADR 2012

Kathy Russell
• External examiner MSc Defense, School of Graduate Studies, University of Toronto, Dr. Emily Singer, DDS. Burden of Care Analysis of Various Infant Orthopedic Protocols for Improvement of Nasolabial Aesthetics in Patients with Complete Unilateral Cleft Lip and Palate

Tammy Wright
• Marking for Graduate Student Lay Summary of Thesis Project BIOL5038 for Dr. Robert Tsushima, Faculty of Science and Engineering, York University.

B. Educational Innovations

1) Curriculum Development

Ross Anderson
• Medicine 1 Metabolism and Homeostasis Unit and Medicine III Paediatric clerkship

Despite a recommendation that infants see a dentist by the age of one those families at the highest risk may not access care in a timely manner, 88% of parents have access to a primary care physician and by training them in caries risk assessment they can refer those at the highest risk for early motivational interviewing and primary prevention.

In response to this need our academic-clinical group developed a Case entitled: Susie’s Sippy Cup dilemma: A Case of Early Childhood caries. First year medical students have an afternoon to review the case and all of the associated materials. The case was updated this year and streamlined to four hands on labs associated with it. The case and lab received excellent reviews from the students.

This past fall and as a corollary to this case third medical clerks doing their paediatric rotation and third year dental clerks doing their paediatric dental rotation at the IWK were paired in the Paediatric dental unit to provide what was learned with “real live” patients. Dr. Anderson was been successful at attaining all of the fluoride varnish and associated materials for this clinic through a grant with the American Academy of Paediatrics. Teaching videos developed by our Residents were incorporated into both of these endeavors.

Cynthia Andrews
• Served as Dentistry lead for the design and implementation of year 2 of Dalhousie Health Mentors Program, an innovative learning opportunity that introduced health professional students to chronic 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 650 students. It involved the creation of a unique curriculum integrated into the academic programs of all participating health professional programs. Served on Main HMP committee and the following sub-committees: Research and Evaluation; Student Learning, Assessment and Supervision, Mentor Recruitment and Support. Served as a faculty supervisor for 16 students on four HMP interprofessional teams.

• DENT1511: Integrated the AxiUm electronic Periodontal Chart into didactic component and 5 pre-clinical modules. Integrated the Dalhousie Health Mentors Program content into the course with a 10% written assignment about oral health in individuals with chronic conditions and/or disabilities, and the experience of dentistry students as members of a healthcare team.
• Med 1 undergraduate curriculum development: coordinator for revisions and implementation of the Med 1 Oral Medicine component.
• Co-designer for 3 Interprofessional Education “Mini-courses” hosted by the Faculty of Health Professions in their IPE “common time”: i.) The 3 Cs of Interprofessional Teamwork: Communication, Collaboration and Conflict Management; ii.) Conversations: Raising Awareness of Interprofessional Education through Story Telling and Self-reflection; iii.) Arts and Humanities to Enhance Interprofessional Healthcare Education

Blaine Cleghorn
• A web-based course in Dental Anatomy using SoftChalk® was launched in 2011. The online course material was used as a resource for students in the DDS/DMD programs at Dalhousie University, the University of Manitoba and East Carolina University. The site utilization was tracked using Google Analytics and in a one month period had 1,498 visits and 4,123 page views. The site has had visitors from 10 countries. The 2012-2013 version of the course includes additional QTVR movies as well as an extensive question database.
• A web-based Mock OSCE exam was developed and distributed initially only to students in Canadian dental schools as a resource to prepare for the NDEB OSCE exam in March 2012. Site utilization was also tracked using Google Analytics. Individuals from 16 countries have visited the site. In the one month period preceding the actual NDEB OSCE exam, the site had experienced 1,007 visits and 22,995 page views. The site is now open the actual NDEB OSCE exam, the site had experienced 1,007 visits and 22,995 page views. The site is now open

Linda Cochrane
• Co-designed a daily clinic feedback system for DDS 3

Wayne Garland
• Revised Digital Radiographic Guidelines for Endodontic II Faculty

Ed Ghiabi
• New Graduate level courses developed:
  • PERI 5100.06 Basic Sciences for Graduate Dentistry
  • PERI 5110.09 Clinical Periodontics I
  • PERI 7150.09 Literature Review in Periodontics
  • PERI 7130.09 Graduate Dentistry Seminars

Mark Knechtel
• Electronic chart development committee
• Perio module development committee

Chris Lee
• Ongoing development of General Practice Residency program
• Planning and implementation of clinical rotations to Nnauashish, Labrador for GPR residents
• Organization, planning, and implementation of the North End Community Health Centre and Dalhousie University dental clinic

Robert Loney
• Continued development of the Removable Prosthodontics Website has improved online learning using movies, presentations, manuals, quizzes and other web based resources in DENT 2611, Removable Prosthodontics II (http://removpros.dentistry.dal.ca/RemovSite/Welcome.html). Movies were reformatted for compatibility with mobile devices this year with a resulting increase to 14,000 views within four months of posting. Our website is now officially used by 9 other dental faculties throughout North America and Australia, with most recent additions including the McGill University and the University of Utah. Our website has recently been ranked worldwide as the most frequent hit on Google searches for ‘removable prosthodontics’. The Prosthodontic Olympics was once again successful in aiding student learning in removable prosthodontics.
• Ongoing development of the General Practice Residency program with Drs. Chris Lee, Blaine Cleghorn and Tom Boran.

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

Sachin Seth
• Hygiene Anesthesia Course: Supervised the administration of local anesthesia by second year DH students.

Tammy Wright
• New lecture series for combined DEHY3017/DENT2511 course

2) Instructional Resources Development

Ross Anderson
• Attending staff with the assistance of the Pediatric Dentistry Residents developed standardized powerpoint/video presentation on Caries Risk Assessment/Examination of the Infant and Toddler/fluoride Varnish application for dental and non-dental providers. This material has been incorporated into the undergraduate dental and medical curriculum.

Heather Dyment
• Attending staff with the assistance of the Pediatric Dentistry Residents developed standardized powerpoint/video presentation on Caries Risk Assessment/Examination of the Infant and Toddler/fluoride Varnish application for dental and non-dental providers. This material has been incorporated into the undergraduate dental and medical curriculum.

Wayne Garland
• Record digital videos of all Cariology II Demonstrations
• Developed Digital Videos for student self learning

Jennifer MacLellan
• Attending staff with the assistance of the Pediatric Dentistry Residents developed standardized powerpoint/video presentation on Caries Risk Assessment/Examination of the Infant and Toddler/fluoride Varnish application for dental and non-dental providers. This material has been incorporated into the undergraduate dental and medical curriculum.

C. Administrative Activities Related to Teaching

1) Course Director Positions

Ross Anderson
• Dent 2400 Pediatric Dentistry II (September 2011 – March 2012)
• Program Director, Paediatric Dental General Practice Residency
• Dent 5400 Hospital Clinical Paediatric Dentistry and Medicine
• Dent 5401- Nitrous Oxide Inhalation Sedation and Oral Sedation in Children
• Dent 5514 – Becoming a Dental Educator
• DENT 4507 Paediatric Dentistry IV Elective
• DENQ 3001 – Qualifying Program Summer Module Pediatrics
Cynthia Andrews  
- DENT 1511 Periodontology  
- DENT 1503 Periodontics Clinical Teaching Elective  
- Coordinator for Interprofessional Education at the Faculty of Dentistry:  
  - IPL Module designer/facilitator  
  - Dalhousie Health Mentors Program - director for Dentistry, team-cluster supervisor  
  - Med 1 Unit director for Oral Medicine Component  

Ron Bannerman  
- DEN/DENQ 3617 Implant Dentistry III  

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

Linda Cochrane  
- DENT/DENQ 3618 Clinical Prosthodontics  

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

Tracy Doyle  
- DENT 2400 Pediatric Dentistry (April 2012)  

Heather Dyment  
- DEN 4400 Pediatric Dentistry  

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

Jack Gerrow  
- DENT/DENQ 3619 Prosthodontics  

Ed Ghiabi  
- PERI 5100 Basic Sciences for Graduate Dentistry  
- PERI 5110 Clinical Periodontics I  
- PERI 7150 Literature Review in Periodontics  
- DENT 4223 Periodontology  
- DENT 4510 Surgical Periodontics Elective  

Mark Knechtel  
- DENT 2211/2212 Patient Care  
- DENT/DENQ 3220 Treatment Planning  
- DENT 4220 Treatment Planning  

Ferne Kraglund  
- DEN 4517 Dental Public Health Elective  

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

Robert Loney  
- DENT 2611 Removable Prosthodontics  

Jennifer MacLellan  
- DENT/DENQ 3400 Pediatric Dentistry III  

Christian Marquez  
- DENT 2511 Periodontology  
- DEHY 2805 Periodontics  
- DENT/DENQ 3001 Clinical Dental Sciences for Dentistry in Canada (Periodontology Module)  

Debora Matthews  
- DENT 2512 Evidence-Based Dentistry  
- DENT/DENQ 3219 Evidence-Based Dentistry  
- PERI 5120.03 Evidence-Based Dentistry and Biostatistics in Graduate Dentistry  
- PERI 7170.18 Research Practicum in Graduate Dentistry  

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

Richard Price  
- DENT 4508 Elective in Advanced Restorative Techniques  

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

Sachin Seth  
- DENT 1411 Patient Care  
- DENT 1211 Cariology  
- DENT 3001 Cariology A  
- DENT 1511 Periodontics – Health Mentors  

Mark Vallee  
- DENT 4616 Prosthodontics  

Tammy Wright  
- DENT 3157 Periodontics  
- DEHY 3017 Clinical Periodontology  

George Zwicker  
- DENT 4616 Prosthodontics  

2) Particular Aspects of Course Implementation, Evaluation  

Cynthia Andrews  
- As member of research and evaluation sub-committee for the Dalhousie Health Mentors program, helped create online program evaluation survey for 600+ students.  
- Integrated Dalhousie Health Mentors Program content into D1511 with a 10% written assignment  
- Begun development of an assessment rubric for D1511 Clinic Modules  
- Co-designer for 3 Interprofessional Education “Mini-courses” hosted by the Faculty of Health Professions in their IPE “common time”: i.) The 3 Cs of Interprofessional Teamwork: Communication, Collaboration and Conflict Management; ii.) Conversations: Raising Awareness of Interprofessional Education through Story Telling and Self-reflection; iii.) Arts and Humanities to Enhance Interprofessional Healthcare Education  
- Begun discussions and design of an interprofessional intervention/rotation including Dentistry students (D4 DPH elective students) and possibly DH students in a Metro Regional Housing Authority community setting.  
- Organized & ran IPE Facilitator Workshop for Dentistry IPL Module “Tobacco Dependence Education”  

Linda Cochrane  
- Prosthodontic Advisor  

Gorman Doyle  
- Implementation of the integration of implant dentistry into the general dental curriculum  
- Prosthodontic Advisor  

Mark Knechtel  
- Prosthodontic Advisor  

Ferne Kraglund  
- Pros/perio advisor sessions  
- Development of Natuashish service provision in Labrador  
- Development of North End Community Health Centre dental clinic and rotations  
- Involvement of students in Halifax Connects (Oct. 23, 2011)  

Robert Loney  
- Prosthodontic Advisor
Debora Matthews
• Health Mentors Advisor
Richard Price
• The LAVA Chairside Oral Scanner and the Soft Tissue laser were introduced into the dental clinic and used by the ART elective group of students.
Kathy Russell
• DDS 2, 3 and 4 Orthodontic examinations converted to NDEB MC format
Sachin Seth
• Prosthodontic Advisor
• Health Mentors Advisor

3) Committee Membership Related to Teaching
Ross Anderson
• Academic Standards Committee DDS II
• Academic Standards Committee Qualifying Program
• Academic Standards Committee Pediatric Dental General Practice Residency
Cynthia Andrews
• Academic Standards Committee DDS I
• Program Directors Committee, Division of Medical Education (Faculty of Medicine)
• Health Mentors Main Committee
• Health Mentors Student Learning, Assessment and Supervision Committee
• Health Mentors Research and Evaluation Committee
• Health Mentors Mentor Recruitment and Support Committee
Linda Cochrane
• DDS III Academic Standards Committee
• Faculty Development Committee
Gorman Doyle
• Dentistry Curriculum Committee
• Prosthodontic Search Committee
Tracy Doyle
• Academic Standards Committee DDS II
• Academic Standards Committee Pediatric Dental General Practice Residency
Heather Dyment
• Academic Standards Committee DDS IV
• Academic Standards Committee Pediatric Dental General Practice Residency
Wayne Garland
• Academic Standards Committee (Main)
• DDS2, DDS3, DDS4 & OP Summer Module Academic Standards Committee
Jack Gerrow
• DDS3 Academic Standards Committee
Ed Ghiabi
• Graduate Periodontics Academic Standards Committee (Chair)
• Graduate Periodontics Admissions Committee (Chair)
• Dentistry Curriculum Sub-Committee
• DDS4 Academic Standards Committee
Mark Knechtel
• DDS II Academic Standards Committee
• DDS III Academic Standards Committee
• DDS IV Academic Standards Committee
• 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
• DDS2 Academic Standings Committee
• Main Curriculum Committee
• Prosthodontic Search Committee
• Academic Resources Committee (Chair)
• Continuing Dental Education Committee (Chair)
Jennifer MacLellan
• Academic Standards Committee DDS III
• Academic Standards Committee Pediatric Dental General Practice Residency
Debora Matthews
• Dentistry Academic Standards subcommittee II, III, Grad Perio
Christian Marquez
• Dentistry Academic Standards subcommittee II
• Dentistry Academic Standards subcommittee DH II
• Academic Resources Committee
Kathy Russell
• DDS 2, 3, 4: Academic Class Standards Committees
Sachin Seth
• Dentistry Academic Standards subcommittee I
Tammy Wright
• Dentistry Academic Standards subcommittee III
• DH Academic Standards subcommittee II
George Zwicker
• Dentistry Academic Standards subcommittee IV

D.Awards for Teaching
Ross Anderson
• WW Wood Award for Excellence in Dental Teaching
Cynthia Andrews
• Conferred Master in Education (Curriculum Studies) from Acadia University, Wolfville, NS, December 10, 2011
Gorman Doyle
• Dalhousie Dental Students Society Honour Award
Mark Knechtel
• Conferred Master in Education (Curriculum Studies) from Acadia University, Wolfville, NS, December 10, 2011
Sachin Seth
• Conferred Master in Education (Curriculum Studies) from Acadia University, Wolfville, NS, December 10, 2011
Mark Vallee
• Dalhousie Dental Students Society Honour Award
IV. Papers, Books and Reports

A. 2011/12 Publications

Ross Anderson

Cynthia Andrews

Blaine Cleghorn

Tracy Doyle

Heather Dyment

Ed Ghiabi

Debora Matthews
- Krotzer R, Lawrence HP, Clovis JB, Matthews DC. Oral health-related quality of life in an aging Canadian population. Health and Quality of Life Outcomes 2012, 10:50
- Matthews D. C. Weak, unreliable evidence suggests flossing plus toothbrushing may be associated with a small reduction in plaque. Journal of Evidence Based Dentistry 2012; 13: 5-6
- Matthews D. Evidence is weak that the use of tissue regenerative membranes may improve Class II molar furcation defects over open flap debridement alone Journal of Evidence-Based Dental Practice 2012; 12(1);10-11
- Matthews D. Journal clubs most effective if tailored to learner needs. Journal of Evidence Based Dentistry 2011;12(3):92-3
- Matthews DC. There is no evidence that oral health promotion improves periodontal health in cardiovascular patients. Journal of Evidence-Based Dental Practice 2011; 11 (3): 132-134

Mary McNally
- McNally ME, Martin-Misener R, Wyatt CCL, McNeil KP, Crowell SJ, Matthews DC, Clovis JB. Action Planning for Daily Mouth Care in Long-Term Care: The Brushing up on Mouth Care Project. Journal of Nursing Research and Practice. Volume 2012, Article ID 368356,

Jennifer MacLellan

Richard Price

Tammy Wright
- Wright, T and Dawson, A. Antiviral medications provide no benefit over placebo treatment in the treatment of Bell’s Palsy. Critical Summary, ADA Center for Evidence-Based Dentistry, Aug 2011.

B. 2010/11 Papers in Press

Blaine Cleghorn
- Cleghorn BM, Christie WH and Boorberg, NB. Primary Human Teeth and their Root Canal Systems. Endo Topics (in press). This is an invited paper for Dr. Leif Baklund (guest editor for Endodontic Topics) with an expected publication date of July, 2012

Chris Lee
- Effect of Instruction on the Ability of Dental Students to Light Cure a Simulated Restoration, S, Seth, C. Lee, C. Ayer, JCDA, (in press)

Christian Marquez
- “Periodontal Abscess, JCDA

Debora Matthews

Sachin Seth
- Seth S., Lee C., Ayer, C. Effect of Instruction on the ability of Dental Students to Light Cure a Simulated Restoration. JCDA – accepted for publication
• ADA Evidence Based Dentistry Critical Summaries: Tissue adhesives for closure of surgical incisions Adjusting the pH of lidocaine for reducing pain on injection Supplemental fluoride use in high to moderate caries risk in adults

C. Papers Read at Meetings

Chris Lee
• Effect of Infection Control Barriers on Curing Light Effectiveness, .JADR 2012 Tampa

Ed Ghiabi
• The Periodontal Practice Profile of General Dentists in Nova Scotia. 41st Annual Meeting of the America Association for Dental Research (AADR) and 36th Annual Meeting of the Canadian Association for Dental Research (CADR), Tampa, Florida (2012)

Robert Loney
• Kronstrom M, Davis B, Loney RW, Gerrow JG, Hollender L. A Prospective Randomized Study on the Immediate Loading of Mandibular Overdentures Supported by One or Two implants; A 3 Year Follow-up Report. 1st Prize Poster Award, International College of Prosthodontists Biannual Meeting, Waikoloa, Hawaii, September 10, 2011

Debora Matthews

Kathy Russell
• Roundtable Discussion of Orthodontic Treatment for the Patient with Bilateral Cleft Lip and Palate. Kirk E. Simmons, Katherine A Kelly, John Daskalogiannakis, Kathy Russell, American Cleft Palate Annual Conference, San Jose, California, April 2012

D. Papers Submitted

Robert Loney

Sachin Seth
• Effect of Instruction on Curing Light Effectiveness, . JADR 2012 Tampa

Debora Matthews

Richard Price
• Effect of Curing Time and Type of Porcelain on the Polymerization of Resin Cement- Operative Dentistry
• Setting Characteristics Of Four Dual Cure Cemnts In The Absence Of Light, Journal of the Canadian Dental Association
• Effective Use of Dental Curing Lights, Journal of the American Dental Association

E. Invited Lectures

Ross Anderson
• Haematology / Oncology Academic Rounds; Mouth Care Guidelines for Paediatric Oncology patients May 2012

Robert Loney
• Paediatric Residents Academic Half Day, November 2011; December 2011
• Anderson, R.D and Gosselin, ML, Caries Risk Assessment and Fluoride Varnish Application for Pediatricians: A workshop to help reverse the trend of ECC Canadian Paediatric Society Atlantic Affiliation Annual Meeting, Oak Island, Nova Scotia, October, 2011

Cynthia Andrews
• Presentation to Faculty of Medicine Main Curriculum Committee: Integrating IPE in the Medical Curriculum, December 8, 2011
• Presentation to Faculty of Medicine 1 2 Curriculum Committee: Integrating IPE in the Medical Curriculum, December 8, 2011
• Presentation to Faculty of Medicine 3 4 Curriculum Committee: Integrating IPE in the Medical Curriculum, January 12, 2012
• Lecture: Resident elective in Medical Education (Faculty of Medicine, Halifax): Interprofessional Education and the Dalhousie Health Mentors Program, February 28, 2012
• Presentation to Faculty of Medicine Clerkship Renewal Working Group: Integrating IPE in the Medical Curriculum, May 28, 2012
• Presentation to Faculty of Medicine Education Council: Integrating IPE in the Medical Curriculum, June 11, 2012

Gorman Doyle
• Implant Dentistry at Dalhousie University, Charlottetown, P.E.I., September, 2011

Ferne Kraglund
• The Future of Dentistry: It’s not what you think!, Dalhousie Faculty of Dentistry Centennial (May 26, 2012)

Chris Lee
• Pharmacology in Dentistry lecture to the South Shore Dental Society (April 19, 2012)

Robert Loney
• Loney RW. Delivering Complete Dentures. Kornberg Dental School, Temple University, Philadelphia, PA. May 2012
• Loney RW, Maillet W. Optimizing Endodontic Treatment and Restoration of Non-vital Teeth. Dalhousie Continuing Dental Education, and Newfoundland and Labrador Dental Association, Corner Brook, NL. February 2012

Debora Matthews
• DC Matthews: Science or Snake Oil? How to Determine if New Dental Products Really Work. Continuing Dental Education, Dalhousie University Faculty of Dentistry Centennial Celebration. May 2012.

Mary McNally
• January 2012: “Staying out of trouble: An update on the ethical/legal issues of Informed Choice”. Halifax County Dental Society, Dartmouth NS. (co-presenter Leah Hutt, LLB)
• February 2012: Oral Care in Continuing Care Settings: Enhancing the uptake of the “Brushing up on Mouthcare Project” through Physician Leaders. Meeting of District Medical Directors for Continuing Care, Halifax, NS.

Richard Price
• July 2011: Dental Curing Lights, Oregon Health & Science University, USA.
• Dec 2011: Dental Curing Lights, University of Regensburg, Germany.
• May 2012: Managing Accurate Resin Curing, University of Birmingham UK.
• May 2012: Lights & Lava: How to Choose a Curing Light, Dr. John MacConnachie lecture, Dalhousie University.
• June 2012: Lichtpolymerisation, so einfach - so kompliziert - so wichtig heute!, University of Munich.
• June 2012: Lichtpolymerisation, so einfach - so kompliziert - so wichtig heute!, University of Marburg.
• June 28 - 30, 2012: Lichtpolymerisation, so einfach - so kompliziert - so wichtig heute!, 26th Regional Dentists’ Conference in Regensburg, Germany.

Sachin Seth
• Faculty Retreat - presentation: The Past, Present and Future of the Dental Curriculum

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, December 2011
• IWK Department of Dentistry Annual Report to Medical Advisory Committee, October 2011

Cynthia Andrews
• Poster presentation Collaborating Across Borders III, Tucson AZ: Interprofessional Learning Modules for Dentistry and Dental Hygiene Students, November 19, 2011
• Poster presentation ADEA, Orlando FL: Engaging the University with the Community to Promote Interprofessional Learning and Patient Centered, March 20, 2012

Ferne Kraglund
• Labrador Aboriginal Children’s Oral Health Survey report (to Nunatsiavut government, Labrador and to Health Canada)

Robert Loney

Debora Matthews
• Matthews DC, Clovis JB. The Oral Health of Our Aging Population Study: Summary Report. 2011. Faculty of Dentistry, Dalhousie University. Halifax NS

Richard Price
• Patent applied for through Dalhousie University Method And System For Measurement Of Curing Energy Delivered During Simulated Dental Restorations

Sachin Seth
V. Research Activities

A. Completed During the Year

**Blaine Cleghorn**  
*Project:* Raman spectroscopy for assessment of tooth de/remineralization.  
*Funding:* National Institutes of Health - National Institute of Dental and Craniofacial Research.  
*Grant Number:* 2R01DE017889-05- $1,221,117 USD  
*Role:* Co-applicant (M. McNally)  
*Date:* April 2012-March 2017

**Ed Ghiabi**  
*Project:* 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-Investigator (PI: Ghiabi, E)  
*Date:* 2010-11

**Ferne Kraglund**  
*Project:* Labrador Aboriginal Children's Oral Health Survey  
*Funding:* Health Canada ($96,000)  
*Role:* Co-PI  
*Date:* 2010-12

**Debora Matthews**  
*Project:* Changing Demographics: The Oral Health of our Aging Population  
*Funding:* CIHR Regional Partnership Program ($278,268); [CIHR ($139,134), NSHRF ($69,567); Health Canada ($72,000)]  
*Role:* PI (Co-PI: Joanne Clovis)  
*Date:* 2008 - 2012

**Mary McNally**  
*Project:* Brushing up on mouth care: caregiver centered knowledge translation to address the complex care needs of persons with dementia  
*Role:* (Principal Investigator)  
*Funding:* Canadian Dementia Knowledge Translation Network (CIHR), Knowledge Translation Award: $25,000  
*Date:* 2011-2012

**Richard Price**  
*Project:* Service Testing of Dental Curing Lights for BlueLight Analytics  
*Funding:* BlueLight Analytics: $33,000  
*Role:* PI  
*Date:* August 2011

B. Projects in Progress

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

**Cynthia Andrews**  
*Project:* The Interprofessional Dalhousie Health Mentors Program: Assessing Student Outcomes  
*Funding:* preliminary funding: Faculty of Dentistry Summer Student Funding ($2300.00)  
*Role:* Co-investigator  
*Date:* May 10, 2012

**Ferne Kraglund**  
*Project:* “Kungatsiajuk”: Supporting the healthy smiles of NunatuKavut children  
*Funding:* CIHR ($387,575)  
*Role:* Co-applicant  
*Date:* 2011-2014

**Jennifer MacLellan**  
*Project:* “Kungatsiajuk”: Supporting the healthy smiles of NunatuKavut children  
*Funding:* CIHR ($387,575)  
*Role:* Co-applicant  
*Date:* 2011-2014

**Blaine Cleghorn**  
*Project:* Validating OCT and Raman spectroscopy for assessment of tooth de/remineralization  
*Funding:* NIH ($1,221,117)  
*Role:* Co-investigator  
*Date:* 2012-2017

**Robert J. McCulloch**  
*Project:* Identifying Novel Markers of Alveolar Bone loss: Developing New Diagnostic Approaches for the Most Prevalent Forms of Bone Loss  
*Funding:* CIHR ($2.25M)  
*Role:* Co-Investigator (PI: M. Glogauer, CAG McCulloch)  
*Date:* 2012-2017

**Eva Seeman**  
*Project:* Evaluating oral health services of recent immigrants and refugees in Nova Scotia  
*Funding:* CIHR ($72,000)  
*Role:* Co-applicant  
*Date:* 2011-2014

**Debora Matthews**  
*Project:* The Interprofessional Dalhousie Health Mentors Program: Assessing Student Outcomes  
*Funding:* CIHR ($24,975)  
*Role:* Co-applicant  
*Date:* 2012-2017
B. Projects in Progress

**Chris Lee**
Working with Dr. Price on an educational component to MARC

**Mary McNally**
Project: Brushing Up on Mouthcare: Facilitating uptake of a daily oral care program in Continuing Care
Role: (Principle Investigator)
Funding: CIHR Knowledge Translation Supplement. Award: $99,814

**Project**
Kungatsiajuk: Supporting the healthy smiles of NunatuKavut children
Role: Co-Principle Investigator (with Debbie Martin & Heather Castleden)
Funding: CIHR Operating Grant – Institute of Aboriginal Peoples’ Health Award: $387,576
Date: (2011-2014)

**Project**
Aboriginal health research and the academy: Ethical tensions and institutional barriers for new scholars seeking to do community-based research “in a good way”
Role: Co-Principle Investigator (with Heather Castleden & Debbie Martin)
Funding: CIHR Ethics Catalyst Grant Award: $99,740
Date: (2011-2013)

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

C. Undergraduate Student Research Supervision

**Ross Anderson**
Table clinic supervisor
- Curtis White – Motivational interviewing and its effect on ECC.
- Aman Ranu – Effect of dental pain on normal growth and development of a child
- Samantha Brenton – Examining paediatric dentistry in Canada: Present trends and future needs
- Safa Shawkat – Molar incisor hypomineralization with post-eruptive breakdown. The dollar and Sense (cents) of restorative vs extraction

**Cynthia Andrews**
Table clinic supervisor
- Justin Madsen – Acting on feedback from students and others to improve educational programs (making the Dalhousie Health Mentors Program better)
- Mary McNally – working with the Oral Health of older Nova Scotians this poster won a student award at the “Health Professions Research Day” in November, 2011
- Jeff MacMillan – study telling to improve oral hygiene and acceptance of dental care

**Heather Dyment**
- Kaylene Sheppard, Space Maintainers: Benefits and Risks
- Dhamo Kosanam, Literature review of the efficiency of different materials used for pulpotomy of primary teeth

**Ed Ghiabi**
Table clinic supervisor
- Shahrooz Bozorgi - Tissue Engineering in Periodontal Treatment Using Gem-21 and BMP-2

**Chris Lee**
Table clinic supervisor
- Monique Merino – dental management of the pregnant patient

**Robert Loney**
Table clinic supervisor
- Nick Scott - Cost/Benefit of Implant Overdentures
- Ken Nowlan - Shortened Dental Arch Concept
- Robin Hubensky - Xerostomia and Dentures

**Jennifer MacLellan**
Table clinic supervisor
- Sarah Lapine - Autistic spectrum disorders – social story telling to improve oral hygiene and acceptance of dental care

**Christian Marquez**
Table clinic supervisor
- Asraa El-Darahali - Tobacco Cessation – A Strategy Suitable for the Dental Practice
- Aaron Lee - Acellular Dermal Matrix Allograft for the Treatment of Gingival Recession
- Nilou Sadajinia - Periodontal Disease and Osteoporosis: Is there a relationship?

**Mary McNally**
Summer Research Supervision for:
- Samantha Brenton: “Effects of Xerostomic Medications on the Oral Health of older Nova Scotians” this poster won a student award at the “Health Professions Research Day” in November, 2011
- Jeff MacMillan – study telling to improve oral hygiene and acceptance of dental care

**Mark Vallee**
Table clinic supervisor
- Greg MacGee
- Stephanie Smith, Ryan Jeffrey
- Emily Effiong, Ben LaMarche
D. Postgraduate Student Research Supervision

Ed Ghiabi
- MSc. in Periodontics, Dr. Atul Pruthi-Dalhousie University (2011-)
In partially edentate patients, how successful are dental implants following bone augmentation procedures in the posterior regions? A systematic review

Richard Price
- MQ ALQahtani and MM ALShaafi, King Saud University

E. Graduate Student Research Supervision

Debora Matthews
- Atul Prithi (Graduate Periodontics): In partial edentulism, what are the factors associated with dental implant failure in the posterior regions? A systematic review

Richard Price
- T. Haenel, Doktorand Kompetenzplattform Polymere Materialien, Hochschule Bonn-Rhein-Sieg

Kathy Russell
- External examiner MSc Defense, School of Graduate Studies, University of Toronto, Dr. Emily Singer, DDS. Burden of Care Analysis of Various Infant Orthopedic Protocols for Improvement of Nasolabial Aesthetics in Patients with Complete Unilateral Cleft Lip and Palate

F. Awards for Research

Robert Loney
Project: Developing an Oral Health Clinical Research Enterprise in Nova Scotia
Funding: Nova Scotia Health Research Foundation REDI Team Development Award $10,000
Role: Boyd D, Cleghorn B, Filiaggi M, Loney RW
Date: May 2012

Debora Matthews
Project: Network for Canadian Oral Health Research
Funding: CIHR ($823,000)
Role: Principal Investigator (Co-PI: D. Cvitkocitch)
Date: 2012-15

VI. Professional Development

A. Major Meetings Attended

Ross Anderson
- CDA Access to Care Committee Meeting, Ottawa, ON, April, 2012
- CDA Media Relations Training, Ottawa, ON, May 2012
- Chief’s of Dentistry of Canadian Children’s Hospitals Meeting, Montreal, QC, May 2012
- American Academy of Paediatric Dentistry, San Diego, California, May, 2012
- CDA Access to Care Committee Meeting, Winnipeg, Manitoba, November, 2011
- Canadian Academy of Paediatric Dentistry, Edmonton, AB, September 2011
- International Academy of Paediatric Dentistry, Athens, Greece, June 2011

Cynthia Andrews
- CDA Convention, Halifax, NS, August 2011
- Collaborating Across Borders III International Interprofessional Education Convention, Tucson, AZ, November 2011
- American Dental Education Association Annual Meeting, Orlando, FL, March 2012

Blaine Cleghorn
- American Dental Educators Association in Orlando, 2012
- Visit to Virginia Commonwealth University Faculty of Dentistry (fact finding visit for clinic renewal project), Richmond, VA, 2011
- ACFD Board meeting, Naples, FLA
- Public Health Agency of Canada Working Group meeting - Development of a national guidance document on preventing the transmission of bloodborne pathogens from infected healthcare workers to patients, Ottawa, ON
- ACFD Board meeting, Orlando, FLA
- American Board of Dental Examiners meeting, Chicago, ILL
- NDEB Examination Committee meeting, Ottawa, ON

Heather Dyment
- Canadian Academy of Pediatric Dentistry Edmonton AB, September 2011
- Royal College of Dentists of Canada Meeting, Toronto ON, June 2012
- Canadian Pediatric Society Annual Meeting, London ON, June 2012
Ed Ghiabi
- Faculty Retreat- Developing the Academic Plan. Faculty of Dentistry, Dalhousie University (2011)
- Examination Development Workshop- The Royal College of Dentists of Canada, Winnipeg (2011)

Ferne Kraglund
- ADEA/AAL Institute for Teaching and Learning (August and October 2011)
- RCDC Exam writing workshop, Winnipeg, MB (September 2011)

Chris Lee
- Institute for Teaching and Learning (ADEA) completed 6-day course on becoming a dental educator at University of North Carolina, Raleigh, NC

Robert Loney
- Association for Continuing Dental Education Annual Meeting, Aug 2011. New York, NY
- National Dental Examinations Board of Canada Annual Meeting October 2011 Ottawa
- American Education Association Annual Meeting, March 2012 Orlando, FL
- American Association of Dental Boards Mid-year Meeting, April 2012. Chicago, IL

Jennifer MacLellan
- National Dental Board Examiners Workshop, January 2012

Richard Price
- American Association for Dental Research, March 2012

Sachin Seth
- International Association for Dental Research, Tampa, March 2012
- CDA Annual meeting, Halifax, August 2011

Kathy Russell
- ISO TC 106 Meeting September, 2011 Phoenix, Arizona
- Commission on Dental Accreditation, Ottawa, November 2011
- Americleft Interim Meeting, Ohio, December, 2011
- Americleft Annual meeting, San Jose, California, April 2012
- NDEB Examiners Workshop, Ottawa, January 2012

Tammy Wright
- Canadian Academy of Periodontology AGM, Calgary, June 2012

Mark Vallee
- Halifax County Dental Society (Vice President, Presenter)

Wayne Garland
- CARDP meeting Toronto Ontario, 23-25 September 2011
- Halifax County Dental Society, Risk management in Dentistry-an Aviation Approach, October 2011
- Halifax Prosthodontic Study Club, Denture Occlusion, November 2011
- A Clinically Oriented Update in Oral and maxillofacial Pathology, Continuing Dental Education, November 2011
- Faculty CPR Health Care Professions Recertification plus AED, St. John Ambulance, November 2011
- Pharmacology & Therapeutics Update, Continuing Dental Education, Dalhousie University, November 2011
- Halifax County Dental Society, Periodontology Update, November 2011
- How to Measure Student’s Knowledge, Clinical Skills, Performance, Faculty Development, Dalhousie University, December 2011
- 3M LAVA Chairside Oral Scanner, Faculty Training, Dalhousie University, 17 January 2012
- Halifax Prosthodontic Study Club, Potpourri of Prosthodontics, January 2012
- Halifax County Dental Society, Staying Out of Trouble: An Update on Ethical/Legal Issues of Informed Consent, January 2012
- Update in Dental Radiology, Continuing Dental Education, Dalhousie University, January 2012
- Student Table Clinics, Dalhousie University’s Faculty of Dentistry, February 2012
- Halifax County Dental Society, Pediatric Anxiety, Dr. Kiran Pure, 29 February 2012
- Halifax Prosthodontic Study Club, Coordinating Fixed & Removable Prosthodontics, March 2012
- Halifax County Dental Society, Options for the Edentulous Patient, March, 2012
- Key Elements of Oral & Maxillofacial Radiology Practice Continuing Dental Education, March 2012

Robert Loney
- Master in Education (Curriculum Studies) Courses: EDUC 5713Q3: Readings in Education; May 3-July 4, 2011
  EDUC 5153Q3: Project in Education; May 3-July 4, 2011
  EDUC 5143 Q4: Summer Institute and Educational Explorations; July 19-21, 2011
- CPR Recertification Course, November, 2011
- Faculty of Dentistry Faculty Development Workshop: Assessment Methodology, December 2011
- Student Engagement Workshop, Centre for Learning and Teaching, Dalhousie University, January 2012
- Operating Room Team Communication and Teaching Workshop, faculty of Medicine, Dalhousie University, February 2012
- IPE Showcase: Faculty of Health Professions, Dalhousie University, February 2012
- Faculty of Medicine Retreat: Undergraduate Medical Education Curriculum Review, May 2012
- Faculty of Dentistry Retreat: Curriculum Renewal and Mapping, June 2012
- Interprofessional Debriefing Workshop; Faculty of Health Professions, Dalhousie University, June 2012

Linda Cochrane
- CDA Convention, Halifax, NS, August 5 & 6, 2011
- How to Measure Student’s Knowledge, Clinical Skills and Performance
- Dalhousie University Continuing Dental Education, December 8 & 9, 2011
- CPR Health Care Professions Recertification, Faculty of Dentistry, December 2011
- Halifax County Dental Society, 2011-2012
- Several Faculty Development Lunch Presentations

Gorman Doyle
- Implant Dentistry, Astratech, Sept 21, 2011
- AIM 4, October 27, 2011
- Faculty Retreat, December 8 and 9, 2011
- AIM 4, February 9, 2012

B. Courses Attended

Ross Anderson
- Dalhousie Faculty Retreat, June, 2012
- CPR Recertification, April, 2012
- IWK Dental Academic Retreat, December 2011
- PALS Recertification (Paediatric Advanced Life Support System), 2011

Cynthia Andrews
- Master in Education (Curriculum Studies) Courses: EDUC 5713Q3: Readings in Education; May 3-July 4, 2011
  EDUC 5153Q3: Project in Education; May 3-July 4, 2011
  EDUC 5143 Q4: Summer Institute and Educational Explorations; July 19-21, 2011
- CPR Recertification Course, November, 2011
- Faculty of Dentistry Faculty Development Workshop: Assessment Methodology, December 2011
- Student Engagement Workshop, Centre for Learning and Teaching, Dalhousie University, January 2012
- Operating Room Team Communication and Teaching Workshop, faculty of Medicine, Dalhousie University, February 2012
- IPE Showcase: Faculty of Health Professions, Dalhousie University, February 2012
- Faculty of Medicine Retreat: Undergraduate Medical Education Curriculum Review, May 2012
- Faculty of Dentistry Retreat: Curriculum Renewal and Mapping, June 2012
- Interprofessional Debriefing Workshop; Faculty of Health Professions, Dalhousie University, June 2012

Cynthia Andrews
- Atlantic Implant Study Club (Lecturer)
- Nobel Biocare Esthetic Alliance Program (Lecturer)
• Halifax County Dental Society, Annual General Meeting, April 2012
• Advanced Laser Seminar in Clinical Dentistry, Continuing Dental Education, April 2012
• Smart Bonding: Extraordinary Solutions for Ordinary Problems, Continuing Dental Education, April 2012
• Centennial Celebrations Lectures, Continuing Dental Education, Dalhousie University, May 2012
• NSDA AGM, Dalhousie University, May 2012
• Faculty Retreat, Curriculum Renewal, June 2012

Ed Ghiabi
• Zeiss Microsurgery Course, Toronto, July 2011

Mark Knechtel
• Smart Bonding, Dalhousie, September 2011
• Medical Issues, Dalhousie, October 2011
• Pharmacology, Dalhousie, November 2011
• Question Writing Seminar, Dalhousie, December 2011
• Prosthodontic Study Club, Dalhousie, January 2012, March 2012
• Medical Emergencies, Dalhousie, May 2012
• Competency Testing, Dalhousie, May 24, 2012
• Faculty Retreat, Dalhousie, June 7, 2012
• Completed Master’s in Education in Curriculum Studies (Acadia/Dalhousie Universities) Course completion date: July 2011, degree awarded October 2011

Ferne Kraglund
• CPR recertification, December 2011
• Faculty Retreat: Exam Writing Workshop, December 2011
• Faculty Retreat: Curriculum Renewal, June 2012

Chris Lee
• Faculty Retreat, Curriculum Renewal, June 2012

Robert Loney
• Faculty Retreat: Curriculum Renewal, June 2012
• Manage this Emergency! May 2012
• Going Green in the Dental Office, May 2012
• Dalhousie Research and Its Impact on Dental Practice, May 2012
• Case-based Pharmacotherapeutics, May 2012
• Prescription Drug Abuse: Considerations for Regulators, Educators and Practitioners, AADB, April 2012
• Changes in National Board Dental Examinations and Implications for Dental Education, April 2012
• ADEA Future of Advanced Dental Education Admissions Project, April 2012

Sachin Seth
• M.Ed. in curriculum development – Completed July 2011
• Faculty Retreat, Curriculum Renewal, June 2012
• CPR recertification, December 2011
• Advanced Laser Seminar in Clinical Dentistry, Continuing Dental Education, April 2012

Tammy Wright
• Getting the Most Out of Multiple-choice Questions, (Dal Faculty Development) Sept 2011
• How to Measure Students’ Knowledge, Clinical Skills, Performance (Dentistry Faculty Development) Dec 2011
• Dalhousie Research and its Impact on Dental Practice May 2012
• Non-Microbial Gingivitis and Oral Effects of Body Modifications, May 2012
• Minimally Invasive Periodontal Plastic Surgery, June 2012
• Medical Science Seminar (full day lecture series) June 2012: Drug Interactions and Side Effects, Dr. R Hermann Celiac Disease, Dr. D. Butzner Sleep Apnea, Dr. L. Dort Gastro-esophageal Reflux Disease, Dr. E. Shaffner
• Faculty Retreat – Curriculum Renewal June 2012

C. Conferences Attended

Cynthia Andrews
• CDA Convention, Halifax, NS, August 2011
• Collaborating Across Borders III International Interprofessional Education Convention, Tucson, AZ, November 2011
• American Dental Education Association Annual Meeting, Orlando, FL, December 2012

Blaine Cleghorn
• ACFD Conference in Montreal, 2011

Ed Ghiabi
• 41st Annual Meeting of the America Association for Dental Research (AADR) and 36th Annual Meeting of the Canadian Association for Dental Research (CADR), Tampa, Florida (2012)

Richard Price
• American Association for Dental Research, Tampa March 2012
• 26th Regional Dentists’ Conference in Regensburg, Germany. June 28 - 30, 2012
VII. Service Commitments

A. Departmental

Ross Anderson
- Head, Pediatric Dentistry

Gorman Doyle
- Head, Division of Implant Dentistry

Wayne Garland
- Head Division of Endodontics

Ed Ghiabi
- Head, Postgraduate Periodontics

Mark Knechtel
- Head, Division of Comprehensive Care

Robert Loney
- Acting Chair, Department of Dental Clinical Sciences
- Head, Division of Removable Prosthodontics

Debora Matthews
- Chair, Department of Dental Clinical Sciences
  (sabbatical January 1, 2012 - 2013)

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
- DDS II Academic Standards Committee

Cynthia Andrews
Faculty of Dentistry:
- Coordinator, Interprofessional Education
- Chair, Faculty Development Committee
- Chair, Academic Awards Committee
- DDS1 Academic Standards Committee
- Perio module electronic chart working group
- Canvasser, United Way Campaign

Faculty of Medicine:
- Program Director, Division of Medical Education
- Coordinator, Interprofessional Education
- Chair, Faculty of Medicine IPE Working Group

Ron Bannerman
- Assistant Dean for Academic Affairs
- Chair, Admissions Committee
- Alumni Relations Committee, 2001-present
- Dean’s Advisory Council

Blaine Cleghorn
- Chair, Main Academic Standards Committee
- Chair, Main Curriculum Committee
- Chair, Committee on Infectious Diseases
- Chair, Chart Audit Sub-committee
- Chair, Academic and Clinic Coordinating Committee
- Chair, Ad Hoc Committee on Management of Dental Emergencies
- Ad hoc Clinic/Facilities Renewal Committee
- Dentistry Curriculum Sub-committee
- Dental Hygiene Curriculum Sub-committee
- Faculty Executive Council
- Academic Resources Committee
- Dean’s Advisory Council

Linda Cochrane
- Working groups on Radiology and Electronic Periodontal Charting

Gorman Doyle
- Continuing Education Committee
- Tenure and Promotion Committee

Wayne Garland
- Director, Qualifying Program
- Chair, DDS2 Academic Standards Class Committee

Ed Ghiabi
- Faculty Research Development Committee
  (2010-present)
- Dentistry Curriculum Sub-Committee (2009-present)
- DDS4 Academic Standards Committees (2008-present)
- Chair, Graduate Periodontics Academic Standards Committee
- Chair, Graduate Periodontics Admissions Committee

Mark Knechtel
- Academic and Clinic Coordinating Committee
- Academic Standards Committee II, III, IV
- Prosthodontist Search Committee
Ferne Kraglund
- Interprofessional Health Education Ad-Hoc Committee
- Conduct admission interviews

Chris Lee
- Chair, Faculty Development Committee
- DDS 3 Academic Standards Committee

Robert Loney
- Chair, Continuing Dental Education Committee
- Chair, Academic Resources Committee, Faculty of Dentistry
- Health Sciences Library Committee
- Deans Advisory Committee
- Main Curriculum Committee, Faculty of Dentistry
- Academic and Clinic Coordinating Committee
- Faculty of Dentistry Centennial Committee
- Academic Planning Working Group
- Ad Hoc Clinical Research Group Committee

Debora Matthews
- Academic and Clinic Coordinating Committee
- Dean’s Advisory Committee

Kathy Russell
- Academic Awards Committee
- Academic Standards Committee, DDS II, III, IV
- Academic Standards Committee, Qualifying Programme I & II

Sachin Seth
- Chair, Academic Standards DDS I
- Chair, Faculty Retreat Committee
- Main Academic Standard Committee
- Interview Committee for Admissions
- CE Committee
- NERB Exam co-supervisor
- Clinic Renewal Committee
- Liaison with Aspen Dental Chair

Tammy Wright
- Interviewer, DDS and Graduate Periodontology admission interviews
- Periodontal Module Group
- Director, External Relations for Graduate Periodontology

C. University

Ross Anderson
- Past President, Medical Dental Scientific Staff (to January 2012), IWK Health Centre
- Medical Advisory Committee, IWK Health Centre
- Children’s Operating Room Committee, IWK Health Centre

Cynthia Andrews
- Dalhousie Health Mentors Program Main and Sub-committees
- First-year IPE Event Planning Committee
- Interprofessional Health Education Coordinating Committee
- Dalhousie-CDHA/IWK Interprofessional Education Consortium

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

Heather Dyment
- Chair, Dentistry Team, Morbidity and Morality Committee
- Credentials Committee, IWK Health Center

Wayne Garland
- Dalhousie University Senate Discipline Committee

Mark Knechtel
- Supervisor, Dalhousie Open House “Drill and Fill”
- Environmental Health and Safety Committee (Dalhousie)
- Senate Library Committee
- Decanal Review Committee

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

Robert Loney
- Senate Academic Appeals Committee
- Faculty of Health Professionals Teaching Excellence Award Selection Committee
- Consultant, Dalhousie University Centre for Learning and Teaching, Peer Consultation Program (consultation reviews for colleagues interested in improving teaching)
- Dentistry Department Survey Committee, IWK Hospital

Debora Matthews
- Dalhousie Senate Academic Program and Research Committee, Interim Academic Programs Sub-committee
- Faculty of Dentistry representative, Dalhousie Senate Academic Program and Research Committee

Mary McNally
- Dalhousie University Human Subjects Research Ethics Board
- Quality and Safety Committee, Capital District Health Authority

D. Regional/National

Ross Anderson
- Canadian Dental Association Access to Care Committee
- Canadian Dental Association – media expert for ECC and Fluoride
- Commission of Dental Accreditation of Canada, Accreditation Team for Graduate Program Paediatric Dentistry Program, University of Toronto
- CAPD representative to the National Working group on General Anaesthesia and Sedation for first Nations
- Expert reviewer to Department of Health Promotion and Protection publications “Loving Care”

Cynthia Andrews
- Examiner, Dental Aptitude Test
- IPE Leads in Medical Education

Blaine Cleghorn
- Reviewer for the Acta Odontologica Scandinavica
- Reviewer for the Annals of Medical and Health Sciences Research
- Reviewer for the International Journal of General Medicine
- Reviewer for the International Journal of Oral Science
- Reviewer for Clinical Anatomy
- Reviewer for American Journal of Physical Anthropology
- Reviewer for Surgical and Radiologic Anatomy
- Reviewer for BMC Medical Imaging
- Reviewer for Archives of Oral Biology
- Reviewer for Odontology
- Reviewer for the Indian Journal of Dental Research
- Reviewer for the Canadian Dental Association Journal
• Public Health Agency of Canada - 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: ACFD Nominating Committee
  Commission on Dental Accreditation
  University of Toronto DDS Program accreditation site visit
  ACFD Board member
• Chair, Clinical Affairs Committee
• Chair, National Dental Examining Board of Canada
• 2011-present ACS (Assessment of Clinical Skills) Evaluator
• Assessment Coordinator, Dalhousie University - Assessment of Clinical Skills and Assessment of Clinical Judgement
• Chief Written Examiner, Canadian Dental Association
• Media expert in non-dentist providers of oral healthcare
• Media expert in dentistry-related sterilization and infection control issues
• North East Regional Board of Dental Examiners
• DSCE (Dental Simulated Clinical Exam) Committee
• NERB Examination Committee
• NERB Exam Coordinator

Linda Cochrane
• Assessment Supervisor Assistant - NDEB Assessment of Clinical Skills
• Evaluator - NDEB Assessment of Clinical Skills Exam

Gorman Doyle
• Nova Scotia Dental Association Working Group – Dental Technology in Nova Scotia

Heather Dyment
• Vice President, Oral Health Section, Canadian Paediatric Society
• President, Nova Scotia Society of Dental Specialists

Wayne Garland
• NDEB Assessment Invigilator of Clinical Skills
• NDEB Evaluator for Assessment of Clinical Skills
• NDEB Presiding Examiner for OSCE

Jack Gerrow
• Registrar, National Dental Examining Board

Ed Ghiabi
• President, Atlantic Society of Periodontology

Mark Knechtel
• 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 for Nova Scotia Dental Association on fluoride/fluoridation
• Media content expert for the Canadian Dental Association on fluoride/fluoridation
• RCDC Examiner for Dental Public Health
• Dalhousie Microsite biography for Faculty of Dentistry
• Interview for CBC's Morning show regarding dental access to care (February 2, 2012)
• Dalhousie Alumni magazine interview regarding dental access to care (April 3, 2012)
• Dal News interview regarding Labrador research and outreach projects (May, 2012)

Chris Lee
• NDEB Assessment supervisor for the Assessment of Clinical Skills (4 days)
• NDEB Facilitator of endodontic access preparation for Assessment of Clinical Skills (4 days)
• NDEB Prescription Marking Workshop, OSCE (4 days)
• CDA Media expert on the relationship between Oral health and overall health
• CBC radio interview on Faculty of Dentistry's new collaboration with the North End Community Health Centre in opening a new dental clinic

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

Jennifer MacLellan
• Content Expert, Writing workshops for the National Dental Examining Board of Canada

Debora Matthews
• President, Canadian Association of Dental Research
• Grant Application Referee: Janeway Research Advisory Committee, Janeway Children's Health & Rehabilitation Center, St. John's, NL

Mary McNally
• Canadian Dental Association “Committee on Clinical and Scientific Affairs”
• Associate Editor, Journal of the Canadian Dental Association

Richard Price
• Examiner, Royal College of Dentists of Canada
• Reviewer for Journal of the Canadian Dental Association

Kathy Russell
• Journal Editorial Consultant
• Journal of the Canadian Dental Association
• NDEB Orthodontic Expert Examiner Workshops
• External National Committees:
  • CDAC Dental Specialists Representative
  • Commission on Dental Accreditation of Canada
  • Chair, CDAC Nominations Committee, Commission on Dental Accreditation of Canada
  • NDEB National Dental Examining Board Question Workshop member
  • AboutFace, Member National Health Care Advisory Committee
  • AboutFace, Board

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

Mark Vallee
• Vice President, Halifax County Dental Society

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

E. International

Ross Anderson
• Chapter Oral Health Advocate – American Academy of Paediatrics

Ed Ghiabi
• Examining Board in Periodontics
• Royal College of Dentists of Canada

Robert Loney
• Editorial Review Board, Journal of Prosthetic Dentistry
Debora Matthews
• Editorial Board, Journal of the Canadian Dental Association
• Evidence Based Dentistry Journal
• Reviewer for Journal of Dental Research
• Reviewer for Gerodontology
• Reviewer for Journal of the American Dental Association
• Reviewer for Journal of Evidence Based Clinical Dental Practice
• Reviewer for PLoS ONE (Public Library of Science Online)
• Reviewer for International Dental Journal
• Chair, Committee on Constitutional Affairs, International Association of Dental Research
• Consultant, American Association of Pediatric Dentists, Guideline Development Committee
• Critical Review Panel, Center for Evidence-based Dentistry

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

Richard Price
• Reviewer for Journal of Clinical Oral Investigation
• Reviewer for Dental Materials
• Reviewer for Polymer Science

Kathy Russell
• ACPA Revitalization Task Force, American Cleft Palate Association
• AmeriCleft international research group
• Americleft Task Force Committee, American Cleft Palate Association
• Research Grants Committee, American Cleft Palate Association
• ISO/TC Canadian
• Secretary, ISO/TC SC1
• Grant Reviewer, The Canadian Foundation for the Advancement of Orthodontics, Canadian Association of Orthodontics
• Grant Reviewer, American Cleft Palate Association and Cleft Palate Foundation Research Grant Committee
• Grant Reviewer, CADR-IMHA – Student Research Awards Competition

Tammy Wright
• Chair, Canadian Academy of Periodontology Economics and Insurance Committee
I. Department of Oral and Maxillofacial Sciences: Members of the Department

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

**Full-Time:**
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, FRCS (England), Dhc, Dean Emeritus and Professor
C.G. Robertson, DDS, MD, MSc, FRCD(C), Assistant Professor

**Part-Time:**
C. Canning, BSc, DDS, Assistant Professor
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), Division Head Oral and Maxillofacial Radiology, Assistant Professor

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

**Support Staff:**
Ruth MacLean, BA
Kathy Drew, BSA
II. Report of the Department Head

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. Members of the Department are involved in the oral health assessment of cardiac transplant, radiation oncology and hemoeoncology patients. There is a high level of cooperation that takes place with the Department of Infectious Disease, Anesthesia, Emergency Medicine, Division of Otolaryngology 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. Drs. D.S. Precious and Chad Robertson perform primary and secondary cleft lip and palate surgery at the IWK Health Sciences Centre. Drs. Robertson and Gregoire have additional training and skills in the treatment of oral oncology patients. Dr. Gooday has specialized expertise in the surgical management of obstructive sleep apnea.

In the fall of 2011, Drs Gooday, Morrison and Robertson under the direction of Dr. D.S. Precious participated in a charity mission to provide cleft lip and palate surgery for patients in Vietnam. As an Advisor for East Meets West Foundation Dental Program, Dr. Carl Canning was involved in a separate mission that provided oral health care to patients in Danang, Vietnam. In February, 2012, Drs. Precious, Goodday, Davis and Gregoire participated in a charity mission to Sousse, Tunisia to provide cleft lip and palate surgery for patients in that country.

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, pathlogy 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 753 biopsy reports from July 1, 2011-June 30, 2012. 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 the 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. One candidate graduates each 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 and Tunisia, and presenting at international meetings, several foreign trained surgeons have visited the department to enhance their education. Dr. Alvaro Cardoso, who joined our department in July 1, 2011, will be continuing his research for a second year completing his surgical fellowship on June 30, 2013. Other international visitors include:

Jose Thiers - February - June, 2012 - Brazil
Ana Karla da Silva - February - June, 2012 - Brazil
Amy Suhr - March 5-9, 2012 – New Jersey
Tadahide Noguchi - April - June, 2012 - Japan
Jose Filho - May 28 - June 1, 2012 - Brazil

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>
<th>Instructor(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>QPSM</td>
<td>Patient Care</td>
<td>C. Canning</td>
</tr>
<tr>
<td></td>
<td></td>
<td>M. Creighton</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C. Gregoire</td>
</tr>
<tr>
<td>DENT1113</td>
<td>Dental Gross Anatomy</td>
<td>C. Robertson</td>
</tr>
<tr>
<td>DENT1114</td>
<td>Histology</td>
<td>J. Lovas</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A.D. Morrison</td>
</tr>
<tr>
<td>DENT1116</td>
<td>Basic Mechanisms of Disease</td>
<td>R.E. Howell</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C. Canning</td>
</tr>
<tr>
<td>DENT1120</td>
<td>Intro. To Human Histology</td>
<td>R. Howell</td>
</tr>
<tr>
<td>DENT1121</td>
<td>Oral Histology</td>
<td>J. Lovas</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A. Morrison</td>
</tr>
<tr>
<td></td>
<td></td>
<td>R. Howell</td>
</tr>
<tr>
<td>DENT1121</td>
<td>Patient Care</td>
<td>C. Canning</td>
</tr>
<tr>
<td></td>
<td></td>
<td>M. Creighton</td>
</tr>
<tr>
<td></td>
<td></td>
<td>R. H. Goodday</td>
</tr>
<tr>
<td></td>
<td></td>
<td>J. Lovas</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C. Robertson</td>
</tr>
<tr>
<td>DENT2119</td>
<td>Systemic Pathology</td>
<td>R.E. Howell</td>
</tr>
<tr>
<td>DENT2211</td>
<td>Patient Care</td>
<td>C. Canning</td>
</tr>
<tr>
<td></td>
<td></td>
<td>M. Creighton</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C. Gregoire</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A. Morrison</td>
</tr>
<tr>
<td>DENT2212</td>
<td>Patient Care</td>
<td>C. Canning</td>
</tr>
<tr>
<td></td>
<td></td>
<td>M. Creighton</td>
</tr>
<tr>
<td></td>
<td></td>
<td>B. Davis</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C. Gregoire</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A.D. Morrison</td>
</tr>
<tr>
<td>DENT2550</td>
<td>Mindfullness Elective</td>
<td>J. Lovas</td>
</tr>
<tr>
<td>DENT3000</td>
<td>Basic Sciences for Dentistry</td>
<td>C. Robertson</td>
</tr>
<tr>
<td></td>
<td></td>
<td>R. Howell</td>
</tr>
<tr>
<td>DENT3116</td>
<td>General Medicine and Patient Health Assessment</td>
<td>B. Davis</td>
</tr>
<tr>
<td>DENT3117</td>
<td>Foundation Sciences in Clinical Practice</td>
<td>A. Morrison</td>
</tr>
<tr>
<td></td>
<td></td>
<td>B. Davis</td>
</tr>
<tr>
<td>DENT3211</td>
<td>Patient Care</td>
<td>R. H. Goodday</td>
</tr>
<tr>
<td></td>
<td></td>
<td>J. Lovas</td>
</tr>
<tr>
<td>DENT3320</td>
<td>Clinical Oral Diagnosis and Treatment Planning</td>
<td>A. Morrison</td>
</tr>
<tr>
<td></td>
<td></td>
<td>B. Davis</td>
</tr>
<tr>
<td></td>
<td></td>
<td>R. H. Goodday</td>
</tr>
<tr>
<td></td>
<td></td>
<td>D.S. Precious</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C. Robertson</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C. Gregoire</td>
</tr>
<tr>
<td>DENT/Q3500</td>
<td>Oral and Maxillofacial Surgery</td>
<td>B. Davis</td>
</tr>
<tr>
<td></td>
<td></td>
<td>R. H. Goodday</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A. Morrison</td>
</tr>
<tr>
<td></td>
<td></td>
<td>D.S. Precious</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C. Robertson</td>
</tr>
<tr>
<td>DENT4507</td>
<td>Implant Elective</td>
<td>B. Davis</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C. Gregoire</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C. Robertson</td>
</tr>
<tr>
<td>DENT4513</td>
<td>Oral Surgery Elective</td>
<td>R. H. Goodday</td>
</tr>
<tr>
<td>DENT4521</td>
<td>Oral Pathology Elective</td>
<td>J. Lovas</td>
</tr>
<tr>
<td></td>
<td></td>
<td>R. Howell</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C. Robertson</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C. Gregoire</td>
</tr>
<tr>
<td>DENT4550</td>
<td>Mindfulness Elective</td>
<td>J. Lovas</td>
</tr>
<tr>
<td>DENT4811</td>
<td>Oral Pathology, Medicine, Radiology</td>
<td>B. Davis</td>
</tr>
<tr>
<td>DENT4818</td>
<td>Orthodontics</td>
<td>R.H. Goodday</td>
</tr>
<tr>
<td>DEHY 2550</td>
<td>Mindfulness Elective</td>
<td>J. Lovas</td>
</tr>
<tr>
<td>DEHY 3003</td>
<td>Exceptional Clients</td>
<td>C. Robertson</td>
</tr>
<tr>
<td>DEHY 3009</td>
<td>Dental Specialties</td>
<td>R.H. Goodday</td>
</tr>
<tr>
<td>DEHY 3550</td>
<td>Mindfulness Elective</td>
<td>J. Lovas</td>
</tr>
</tbody>
</table>
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
- Lecturer, Graduate Oral and Maxillofacial Surgical Seminar
- Clinical Instructor, Graduate Oral and Maxillofacial Surgery

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

**Ben Davis**
- Lecturer, Graduate Surgical Anatomy
- 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
- 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 seminar

**John Lovas**
- Lecturer, Graduate Oral Pathology, Medicine, Radiology seminars

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. 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”

**Curtis Gregoire**
- MSc supervisor for Dr. Clayton Davis, “A prospective evaluation of the effectiveness of antimicrobial therapy in preventing post-operative infection following orthognathic surgery”

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

**Robin Howell**
- DENT 1120 - Introduction to Human Histology. Completed revisions to laboratory modules including short lectures, laboratory exercises and formative exams aimed at demonstrating the relevance of histology to dental practice and identifying important principles and topic areas. New modules were created for a wide variety of topics including epithelium, connective tissue, muscle, nerve, cartilage, bone, lymphatic system, gastrointestinal system, respiratory system, integument, blood vessels, kidney and excretory system.
- DENT 1116-Basic Mechanisms of Disease. Completed revisions to new tutorial exercises and presentations aimed at enhancing student interaction with general pathology information introduced in tutorial cases. Exercises include short lectures, formative quizzes and immediate feedback. Exercises were produced for a wide variety of topics including cell injury adaptation and death, acute inflammation, chronic inflammation, repair, basic immunology, diseases of the immune system, and neoplasia.
- DENT 2119-Systemic Pathology and Immunology. Completed revisions to new tutorial exercises and presentations aimed at enhancing student interaction with general pathology information introduced in tutorial cases. Exercises include short lectures, formative quizzes and immediate feedback. Exercises were produced for a wide variety of topics including diseases of the cardiovascular system, respiratory system, hematopoietic system, gastrointestinal system, genito-urinary systems, musculoskeletal system, and endocrine system.
- National Board of Dental Examiners (USA) review-

Using released National Board Exam questions, assembled a spreadsheet outlining major and specific topics, as well as related topic material for pathology questions on the part 2 board exams to act as a basic study guide for Dalhousie dentistry students taking the US National Boards.

1) Course directors are listed in table 1 in bold
IV. Papers, Books and Reports

A. Papers Published

David Precious

Reg Goodday

Chad Robertson
- Kronstrom M, Davis B, Looney R, Gerrow J A prospective randomized study on the immediate loading of mandibular overdentures supported by one or two implants; A 3 year follow-up report. 14th Biennial meeting of the International College of Prosthodontists, September 8-12, 2011, Hawaii

B. Papers in Press

David Precious

Curtis Gregoire
- Bell RB, Markiewicz MR, Dierad EJ, Radar A, Gregoire C. Thin serial step sectioning of sentinel lymph node biopsy is not necessary to accurately stage the neck in oral squamous cell carcinoma. Head and Neck.
- Gregoire CE, Robertson C. Oral Squamous Cell Carcinoma and Huma Papilloma Virus. OMFS Knowledge Updates.

Archie Morrison
Ben Davis

C. Papers Read at Meetings

David Precious
• Precious, D.S.: Charity Mission Cleft Surgery ICPF Lead Surgeon, Ho Chi Minh City and Tra Nang, Nov 12-26 2011

Reg Goodday
• Goodday, R., Bourque, S.: Objective Outcomes and Use of CPAP Following Maxillomandibular Advancement Surgery for Treatment of Obstructive Sleep Apnea, 4th International Congress of World Association of Sleep Medicine & 5th Conference of Canadian Sleep Society, Quebec City, Quebec, September 10-14, 2011. (Abstract)

Robin Howell

D. Papers Submitted

Robin Howell
• Renault NK, Pritchett SM, Howell RE, KH Ørstavik KH, Sapienza C, Hamilton DC, Greer WL. Statistical Evidence for the Genetic Control of X-chromosome Inactivation Choice in Human’s.
• Subgroups of Oral Epithelial Dysplasia Identified by Immunostaining, Howell, R.E., Genter, E., Renault, N.K., Flowerdew, G., Lovas, J.G., Wright, B.A.

Ben Davis

E. Invited Lectures/Presentations

David Precious (see section C)

Reg Goodday
• Goodday, R., Bourque, S. Objective outcomes and use of CPAP following maxillomandibular advancement surgery for treatment of obstructive sleep apnea. World Association of Sleep Medicine and Canadian Sleep Society Congress International Meeting, Quebec City, Canada, September 10-14, 2011.

Archie Morrison
• Morrison A. Osteonecrosis of the Jaw – a presentation to the International Association of Bone and Mineral Research. San Diego, California August 2011
V. Research Activities

A. Completed During the Year

Chad Robertson
- Robertson C, Levangie J, Eminectomy for the treatment of chronic recurrent dislocation of the TMJ.
- Robertson C, Pond D, Investigation into the potential sources of delay in the management of oral squamous cell carcinoma.

Ben Davis
- The safety and efficacy of propofol for procedural outpatient oral and maxillofacial surgery.
- Does the use of capnography decrease the incidence of airway complications during procedural sedation for outpatient oral and maxillofacial surgery.
- Outcome assessment of TMJ reconstruction using metal condyles articulating directly against the glenoid fossa.

Reginald Goodday
- Effects of maxillomandibular advancement surgery on blood pressure in patients with obstructive sleep apnea.

Curtis Gregoire
- COOLS trial. A multi-center prospective trial evaluating the use of fluorescence visualization to determine resection margins for early stage oral squamous cell carcinoma.
- Efficacy of Peri-operative Antimicrobials in Patients Undergoing Orthognathic Surgery. Dalhousie University/CDHA, Halifax, NS
- Prospective analysis of sentinel lymph node biopsy for clinically cN0 neck in patients with oral squamous cell carcinoma.

B. Projects in Progress

Reginald Goodday
- Prospective study on the incidence of osteonecrosis of the jaw in patients receiving intravenous bisphosphonate therapy for metastatic cancer.
- Prospective Registry for Osteonecrosis of the Jaw from Denosumab use in a cancer population. Sponsored by Amgen Canada.
- Canadian National Registry for Osteonecrosis of the Jaw – initiated January 2012.

Curtis Gregoire
- Establishment and ongoing recruitment of patients into a Nova Scotia oral epithelial dysplasia database.
C. Undergraduate Student Research Supervision

Robin Howell
• Dental Treatment of Patients with Anticoagulant Therapy, Derek Levesque
• Pathophysiology of Oral Squamous Cell Carcinoma: Association with Human Papillomavirus and Extracellular Matrix Dysregulation by Fibrinolytic Pathway Components, Xaifeng Xu.

Table Clinic 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 Lauren MacGregor, DDS 2 student, at the Nova Scotia Cancer Centre.

Reginald Goodday
• World Association of Sleep Medicine and Canadian Sleep Society Congress International Meeting, Quebec City, Canada. September 10-14, 2011.
• Advanced Cardiac Life Support Re-certification. Dartmouth, NS. January 2012

John Lovas
• 2nd Canadian Conference on Physician Health, Hilton Toronto Hotel, Toronto ON, October 28-29, 2011.
• Sable D. “The Power of an Open Question” A two-part presentation (2hrs each) sponsored by the Teaching and Learning Center, Killam Library, Dalhousie University, March 7th and 14th, 2012.
• ADEA Annual Meeting, Hilton Orlando Bonnet Creek hotel, Orlando Florida, March 17-20, 2012.
• Lam E. Key Elements of Oral and Maxillofacial Radiology Practice. Full-day continuing dental education course. Faculty of Dentistry, Dalhousie University, March 31, 2012.

Chad Robertson
• Gottipati, Padma – “Effectiveness of pre-operative analgesics in adult patients undergoing extraction of impacted 3rd molars on post-operative pain” - February, 2012.

Curtis Gregoire
• Tomic, Sonja – “Nerve Injuries Associated with Mandibular Blocks used in Dentistry” - February, 2012.

Robin Howell

John Lovas

Carl Canning
• Tuma, Emad – “Clinical Application of Cone Beam CT in Dentistry” - February, 2012.

VI. Professional Development

Chad Robertson
• RCDC Oral Maxillofacial Surgery Examiner, June 2012.
• Advanced Cardiac Life Support Re-certification. Dartmouth NS, January 2012.

Archie Morrison
• Advanced Cardiac Life Support Re-certification. Dartmouth NS, January 2012.

Ben Davis
• American Board of Oral and Maxillofacial Surgeons, Invited Observer, Dallas, Texas, February 2012.
• Advanced Cardiac Life Support, Re-certification Course. January, 2012
• RCDC Oral Maxillofacial Surgery Chief Examiner, June 2012.

Curtis Gregoire
• RCDC Oral Maxillofacial Surgery Examiner, June 2012.

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
David Precious
Faculty of Graduate Studies: Killam Lecture Committee

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
Search Committee, Director of the Graduate Oral & Maxillofacial Surgery Training Program, 2011

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
Chairman, Main Academic Standards Committee
Research and Development Committee
Chart Audit Committee

Curtis Gregoire
Chair of the Radiology Sub-Committee
Academic Resource Committee, Admissions Interviewer
Faculty Development Committee

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
Academic Standards Committee, DDS1

Academic Standards Committee, DDS2
Chart Audit Committee
Director, Oral Pathology Biopsy Service
Biologic Sterilizer Monitor Service (with Andrea Rockwell)
Member, Research Development Advisory Committee

Mervyn Creighton
DDS Curriculum Committee
Digital Radiology Sub-Committee

Carl Canning
Academic and Clinic Coordinating Committee
Chart Audit Committee
Digital Radiology Sub-committee

Chad Robertson
Director of Graduate Training in OMFS
Student Table Clinics Committee
Research Development Committee
Continuing Dental Education 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
Faculty Representative Senate
Senate Planning and Governance Committee
Senate Honorary Degree Committee

Mervyn Creighton
Senate Nominating Committee

John Lovas
Senate Honorary Degrees 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
Chairman Accreditation Committee for Department of Oral and Maxillofacial Surgery for 2013 CCHSA Accreditation
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)

Chad Robertson
Member Cleft Lip and Palate Team, IWK Health Centre, Halifax, Nova Scotia.
Member Head and Neck Cancer Site Team, CDHA Health Sciences Centre, Halifax, Nova Scotia.

Provincial
Reg Goodday
Nova Scotia Dental Association Professional Development Committee
Ben Davis
Nova Scotia Dental Association Professional Development Committee
Chad Robertson
Vice President, Atlantic Society Oral and Maxillofacial Surgeons
Chair, Provincial Ad-hoc Committee on the use of Botox in Dentistry, Provincial Dental Board of Nova Scotia.

National
David Precious
Registrar Elect, Royal College of Dentists of Canada
Reg Goodday
Canadian Society of Sleep Medicine Credentialing Committee
NDEB Written Examination Committee - 2012
Ben Davis
Chief Examiner, Specialty of Oral and Maxillofacial Surgery Royal College of Dentists of Canada (RCDC)
Past President, Canadian Association of Oral and Maxillofacial Surgeons
Chairman, Nomination Committee, Canadian Association of Oral and Maxillofacial Surgeons
Carl Canning
Membership Committee of the Canadian Association of Oral and Maxillofacial Radiology.

Chad Robertson
Member, Ad Hoc Committee on Botulinum Toxin and Dermal Fillers in Dental Practice., Royal College of Dental Surgeons of Ontario.
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

Robin Howell

International
David Precious
International Cleft Palate Foundation, Chair, Board of Trustees
Lead Surgeon, Tunisia Cleft Mission, Sousse, Tunisia. February 11-17, 2012

Reg Goodday
American Association of Oral and Maxillofacial Surgeons Knowledge Update Series Committee
Participant Surgeon, Tunisia Cleft Mission, Sousse, Tunisia. February 11-17, 2012

Archie Morrison
Member Cleft Lip and Palate Surgical Mission to Vietnam, November, 2011.

Chad Robertson
Member Cleft Lip and Palate Surgical Mission to Vietnam, November, 2011.

Ben Davis
AO/ASIF Application Subcommittee.
Tunisia Cleft Mission, Sousse, Tunisia. Feb. 11-17, 2012

Curtis Gregoire
Tunisia Cleft Mission, Sousse, Tunisia. Feb. 11-17, 2012

Editorial Boards
Reg Goodday
Section Editor, Obstructive Sleep Apnea – American Association of Oral & Maxillofacial Surgery Knowledge Update Series, 2010 – present
Reviewer International Journal of OMFS
Reviewer 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
Editorial Board, Mund-Kiefer-Gesichts-Chirurgie
Co Editor, Current Practice
Specialty Section OMFS. Journal of the Canadian Dental Association
Editorial Board, Oral and Maxillofacial Surgery
Editorial Board, Revista de Clinica e Pesquisa Odontológica – Journal of Dental Clinics and Research
Conselho Consultivo/Consulting Board

Chad Robertson
Reviewer, Journal of Oral and Maxillofacial Surgery
Reviewer, Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology, and Endodontology.

Ben Davis

Curtis Gregoire
Reviewer for Journal Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology and Endodontology
Content Expert CDA Media Expert Oral and Maxillofacial Surgery

Robin Howell
Manuscript Reviewer for Oral Surgery, Oral Medicine, Oral Pathology journal
I.  School of Dental Hygiene: Members

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

**Full-Time:**
Joanne Clovis - DipDH, BEd, MSc (U of Alberta), PhD (Dal)
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)
Olu Brown – Dip DH, BDH (Dal)
Tena Harris - DipDH (Dal)
Kim Haslam - DipDH, BA (Dal) MEd (Acadia)
Paulette Hawksworth - DipDH (Dal)
Susan Keating-Bekkers - BSc (St. F.X.); DipDH (Dal)
Elizabeth Kerr – BSc. (Acadia) Dip DH (Dal)
Teanne MacCallum – DipDA (Holland College); DipDH, BDH (Dal)
Andrea Myra – DipDH, BDH (Dal)
Angela Parker - DipDH (Dal); BEd, MEd.(MSVU)
Donna Pascher - DipDH (Dal)
Karen Reid - DipDH, (Dal) BEd (MUN)
Collette Thistle - DipDH, BSc (Dal)
Sheena Thompson – BA; DipDH (Dal)

**Support Staff:**
Sarah Currell
Joyce MacDonald, BSc (Dal)
In May 2012, seven students successfully completed the requirements for the Bachelor of Dental Hygiene, and thirty dental hygiene students had successfully completed the diploma program. There were a total of 73 dental hygiene students, thirty students in second year and thirty-six students in the first year of the diploma program, and seven students enrolled in the BDH program.

The School’s Administrative Assistant, Ms. Joyce MacDonald increased her time to an 80% workload with Ms. Sarah Currell working the remaining 20%. Dianne Crouse left the School to become the full time manager of Continuing Dental Education. The School has been well served by skillful and capable assistant administrators and we are grateful for their ability to adeptly manage the day-to-day running of the School.

Dr. J. Clovis was promoted to full Professor, Prof. Peggy Maillet was granted tenure and Prof. Kim Haslam completed her MEd. (Acadia University).

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 gained experience in both treating patients requiring periodontal debridement and 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 third 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.

The academic year beginning July 1, 2011 and ending June 30, 2012 had no significant changes to the curriculum in either the Diploma in Dental Hygiene or the Bachelor of Dental Hygiene programs.

To address the shortage of patients requiring extensive debridement, second year dental hygiene students had an opportunity to treat Nepali refugees in the Faculty’s Dental clinic, funded by the Faculty’s sponsored care program and in collaboration with Immigration Settlement and Integration Services (ISIS). This experience proved to be successful from a student learning perspective on many levels. In addition to gaining valuable experience developing clinical skills, students had an opportunity to increase their awareness of cultural diversity and learned to communicate in spite of an existing language barrier.

For the third consecutive 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, as well as the many behind the scenes people who make significant contributions to the education of dentistry and dental hygiene students. One unanticipated outcome of this year’s IPL was the establishment of a mechanism for students to discuss and resolve areas of concern in their clinical programs. First year dentistry and second year dental hygiene students also participated in the second year of the Health Mentors Program.
Dental Hygiene students billed $72,872.00 for dental hygiene care from September 2010 to April 2011.

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 and under the guidance of Dr. J. Clovis, students gave well-received presentations about their experiences in these settings and a case study to their interprofessional team, faculty and classmates.

There was a 100% 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, Prof. Heather Doucette, Prof. Peggy Maillet, Prof. Nancy Neish (Director), Prof. Chris Robb and Prof. Cara Tax.

The part time dental hygiene faculty who contributed their valued expertise to the clinical program in 2010/11 included Profs. Burglind Blei, Olu Brown, Tena Harris, Kim Haslam, Paulette Hawkesworth, Susan Keating-Bekkers, Elizabeth Kerr, Teanne MacCallum, Andrea Myra, Angela Parker, Donna Pascher, Karen Reid, Sheena Thompson and Colette Thistle.

#### A. Teaching responsibilities

**Undergraduate Curriculum**

**First Year Dental Hygiene Courses**

**Course Director**

- DEHY2805B Periodontics  
  Dr. C. Marquez
- DEHY2806B 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
- DEHY 2817 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
- DEHY2825 Radiology  
  Prof. C. Tax
- 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  
  Dr. J. Clovis
- DEHY3003 Exceptional Clients  
  Prof. C. Robb
- DEHY3005B Professional Issues  
  Prof. C. Tax
- DEHY3007A Pharmacology  
  Dr. C. Sinal
- DEHY3009 Dental Specialties  
  Prof. N. Neish
- DEHY3014 Dental Hygiene Ethics  
  Prof. N. Neish
- DEHY3015 Clinical Oral Pathology  
  Prof. C. Robb
- DEHY3016 Study Group-Clinical Cases  
  Prof. K. Haslam
- DEHY3017 Clinical Periodontics  
  Dr. T. Wright

**Dentistry Courses**

- DENT1211 – Patient Care 1, Population Health Section  
  Dr. J. Clovis
- DENT 1211 - Patient Care 1, Guest Lecturer  
  Prof. Maillet
- DENT 2211- Patient Care 2, Guest Lecturer  
  Prof. Maillet
- DENT 1211- Patient Care 1, Unit Course Director  
  Prof. Doucette
- DENT 4223- Periodontology 4, Guest Lecturer  
  Prof. Doucette

**Post Graduate Curriculum**

**Bachelor of Dental Hygiene Courses**

**Course Director**

- DEHY4001 Introduction to Health Research  
  A. Webber
- DEHY4002 Applied Oral Health Research  
  Dr. J Clovis
- DEHY4009 Teaching Methodologies  
  Prof. C. Tax
- DEHY4006 Health Policy  
  Dr. J. Clovis
- DEHY4007 New Venture Creation Entrepreneurship  
  Prof. E. Leach
DEHY4008 Independent Study
Prof. P. Maillet – Coordinator, BDH Program
DEHY4010 Alternate Practice Settings
Dr. J. Clovis and Prof. C. Robb

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.

C. Administrative Activities Related to Teaching:

1) Course Director Positions:

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; She was guest lecturer in the Dental Hygiene Ethics course and a faculty supervisor in the Dr. John Lovas; She was guest lecturer in the Dental Hygiene Ethics course and a faculty supervisor in the Mindfulness for Health Care Professionals elective with Dr. John Lovas; She was guest lecturer in the Dental Hygiene Ethics course and a faculty supervisor in the Dr. John Lovas; She was guest lecturer in the Dental Hygiene Ethics course and a faculty supervisor in the Health Mentor’s Program.

Joanne Clovis:
DEHY3002 Population Health
DEHY4002 Applied Oral Health Research
DEHY4006 Health Policy
DEHY4010 Alternate Practice Setting (with Prof. Robb)

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)
Course Director, Student Table Clinics DENT/DENQ 3211.01
Unit Director for Scholarship Across the Curriculum DDD1, DDS2, DDS3, DDS4

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 was an instructor in first year radiology and first and second year clinic. During Dalhousie’s Discover Day 2011, 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
DEHY4009 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.

Heather Doucette:
DEHY 2820 & 2821 Behavioral Foundations
DEHY 2809 Nutrition for Preventative Dentistry
DEHY 3001 Dental Hygiene Clinic
DENT 1211 Patient Care I- Course Director for the Nutrition Unit
Heather Doucette was also a supervisor for the Health Mentor’s Program.

2) Particular Aspects of Course Implementation, Evaluation:

Chris Robb and Cara Tax:
Developed new grading guidelines for evaluation in DEHY 2825 pre-clinical radiology and in the clinical radiology portion of DEHY 3001. The new guidelines were implemented during the 2011/2012 academic year.

3) Committee Membership Related to Teaching:

Nancy Neish:
Chair, Dental Hygiene Admissions Committee, 2007-Present
Ex officio, Academic Standards Committees, DH1, DH2, BDH 2007- Present
Member, Main Academic Standards, 2007-Present

Chair, Dental Hygiene Sub-Curriculum Committee, 2007-Present
Chair, School of Dental Hygiene Faculty Committee Member, Academic and Clinic Coordinating Committee, 2007 – Present
Member, CDHA Education Advisory Committee 2008-Present
Member, CDHA Code of Ethics Revision Committee 2011-2012
Member, Dean’s Advisory Committee 2007 – Present
Chair, Ad hoc Three Plus One Year Dental Hygiene Degree Committee -2010 –Present
Member, ad hoc Curriculum/Clinic Integration Committee 2011-Present

Joanne Clovis:
Member, School of Dental Hygiene Faculty Committee
Member, Main Curriculum Committee (1990-1995 and 2001 – present)
Member, Dental Hygiene Sub-Curriculum Committee (1989- present)
Member, DH2/BDH Academic Standards Committees
Member, Ad hoc Three Plus One Year Dental Hygiene Degree Committee – 2010-Present

Peggy Maillet:
Member, Academic Strategic Plan Working Group 2010- 11
Member, Committee for Student Accommodation 2009- 2011
Member, Committee for Program Pages Wireframes 2010
Member, Committee on Dalhousie Faculty of Dentistry Academic Evaluation 2009-2011
Member, Ad hoc Committee on Pandemic Preparation 2009 - present
Member, Ad hoc Committee to review Dalhousie Dental Clinic Medical History 2009
Member, Dental Hygiene Admissions Committee, 2006-Present
Member, Committee for Students with Infectious Diseases, 2005 - Present
Member, Academic Awards Committee, 2004-Present
Chairperson, Student Table Clinic Committee, 2007-Present
Chairperson, Academic Standards, DH1, 2007- Present
Member, Main Academic Standards, 2007-Present
Member, Dental Hygiene Sub-Curriculum Committee, 2005-Present
Member, Clinical Research Group. 2012
Member, Ad Hoc Committee Three Plus One Year Dental Hygiene Degree – 2010 - Present
IV. Papers, Books And Reports

A. 2011/2012 Publications:

Peer Reviewed Publications:

Nancy Neish:

Joanne Clovis:

Peggy Maillet:

Cara Tax:

Heather Doucette:

Reviews/Abstracts

Nancy Neish
- Cara L. Tax*, Nancy R. Neish, Heather Doucette, Peggy J. Maillet "A Model for Cultivating Faculty Development Within a Community of Practice" JDE Feb 2012 Vol 76; No. 2; Pg. 226
- John G. Lovas, Elizabeth Gold, Nancy R. Neish, David Whitehorn and Deborah Holexa; “Cultivating Engagement Through Mindfulness Practice” JDE Feb 2012, Vol 76; No.2, Pg. 231
- Cynthia L Andrews, Nancy R. Neish and Susan L. Nasser “Engaging the University with Community Volunteers to Promote Interprofessional Learning and Patient-Centered Care” JDE Feb 2012, Vol 76; No,2, Pg. 239

Joanne Clovis

Peggy Maillet:
- Cara L. Tax*, Nancy R. Neish, Heather Doucette, Peggy J. Maillet “A Model for Cultivating Faculty Development Within a Community of Practice” JDE Feb 2012 Vol 76; No. 2; Pg. 226
Cara Tax
- Cara L. Tax*, Nancy R. Neish, Heather Doucette, Peggy J. Maillet “A Model for Cultivating Faculty Development Within a Community of Practice” JDE Feb 2012 Vol 76; No. 2; Pg. 226

Heather Doucette:
- Cara L. Tax*, Nancy R. Neish, Heather Doucette, Peggy J. Maillet “A Model for Cultivating Faculty Development Within a Community of Practice” JDE Feb 2012 Vol 76; No. 2; Pg. 226

B. 2011/2012 Papers in Press:

Joanne Clovis:

C. Papers Read at Meetings:
N/A

D. Papers Submitted:

Joanne Clovis:

E. Invited Lectures:

Nancy Neish:
- Engaging with Life – An Introduction to Mindfulness”, John G. Lovas, David Whitehorn, Nancy Neish and Raewyn Bassett; “A study to examine the perceived enablers and obstacles to practicing mindfulness by participants in a “Mindfulness for Health-Care Professionals” course.

Peggy Maillet:
- “Dental Implant Hygiene”, Lecture presentation, East Coast Continuing Education Centre, Dartmouth, NS 2012
- “Motivating Patients Towards Positive Health Change” presented at Dalhousie University Dentistry 100 Years Centennial Conference, 2012

Christine Robb:
- “Safe or Scary: A Look at White Lesions” presented at the Dalhousie University Dentistry 100 CDA Conference May 2012

F. Reports/ Technical Papers:
N/A

G. Papers in Preparation:

Joanne Clovis:
- Clovis JB, Matthews DC, Brilliant MGS, Filiaggi MJ, McNally ME. Self-reported oral health among Nova Scotian adults age 45 years and older as indicators of oral health status. In progress.

Cara Tax:
- Tax CL, Robb CL, Brilliant MGS, Doucette HJ. Special Considerations for Integrating Photo-Stimulable Phosphor Plates into Dental and Dental Hygiene Pre-Clinical Radiology Curriculae. In progress.

Heather Doucette:
- Tax CL, Robb CL, Brilliant MGS, Doucette HJ. Special Considerations for Integrating Photo-Stimulable Phosphor Plates into Dental and Dental Hygiene Pre-Clinical Radiology Curriculae. In progress.

V. Research Activities:

A. Completed During the Year:

Joanne Clovis:

Cara Tax:

B. Projects in Progress:

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

Joanne Clovis:
- Title: Assessing and taking action on oral health for older adults in Canada
  Funding: Canadian Institutes of Health Research (CIHR) Workshop Grant – 3 years ($22,948,1 year) Planning Grant - Priority Announcement
  Description: This research will develop a Canadian interdisciplinary collaborative team to address issues related to oral health of older adults. Two primary aims: 1) to build on current research and programs and 2) to hold a 1.5 day symposium to formally initiate the collaboration of experts, identify pivotal research questions, and prioritize these into a practicable strategy.
  Role: Co-Applicant
  Date: 2012-2013

- Title: Kungatsiajuk: Supporting the Healthy Smiles of NunatuKavut Children
  Funding: Canadian Institutes of Health Research (CIHR) Operating Grant – 3 years ($170,105 in year one)
  Description: 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.
  Role: Co-Applicant
  Date: 2011-2014
Title: Changing Demographics: The Oral Health of our Aging Population.
Funding: CIHR, NSHRF and Office of the Chief Dental Officer, Health Canada ($280,701)
Description: A population-based study of the oral health of ages 45 and older in Nova Scotia (clinical parameters and oral health-related quality of life).
Role: Co-PI (Co-PI: D. Matthews)
Date: 2008 - 2011

Title: Oral Care in Continuing Care Settings: Collaborating to Improve Policies and Practices
Funding: NSHRF Operating Grant - Collaborative Health Research Project: ($49,9690)
Description: A continuation of the previous grant to complete knowledge translation activities and resources.
Role: Co-Investigator
Date: 2010-2011.

Peggy Maillet:
“Should Tobacco Dependency Education Curriculum Contain A Cultural Component?”
Funding: CanADAPPT grant of $2500.00
CIHR Team Bone Grant, Knowledge Translation activities: “Identifying Novel Markers of Alveolar Bone Loss: Developing New Diagnostic Approaches for the Most Prevalent Forms of Bone Loss”, 2012

Cara Tax:
Title: Identifying Novel Markers of Alveolar Bone Loss; Developing New Diagnostic Approaches for the Most Prevalent Forms of Bone Loss
Funding: Team Bone Grant from the Canadian Institutes of Health Research (CIHR)—5 years ($2.08 million)
Description: The research team will develop new ways of diagnosing periodontal disease in its early stages. The researchers plan to study patients with periodontal disease to look for biomarkers (such as specific types of immune cells and chemical signaling molecules) that can be used to diagnose and/or predict the onset of severe periodontal disease. Such diagnostic tools would allow dentists to provide treatment and counseling earlier in the disease process with the ultimate goal of slowing bone destruction and preventing tooth loss.
Role: Member of the knowledge translation team
Date: 2012-2017

Heather Doucette:
“Should Tobacco Dependency Education Curriculum Contain A Cultural Component?”
Funding: CanADAPPT grant of $2500.00
Grant Submission in Progress:

C. Planned Research:
Joanne Clovis
Communication Techniques of Oral Health Professionals

D. Undergraduate Student Research Supervision:
Nancy Neish:
• Nicole Halusiak and Jennifer MacNeil "Evaluating Program Outcomes for Dalhousie University’s Dental Hygiene Programs"

Peggy Maillet:
• Shauna Hachey and Denise Zwicker: An Evaluation of Bone Preservation When Using Platform Switched Implants Compared to Platform Matched Implants

Cara Tax:
• Emily Waugh, Christine Singer and Monica Lanz “Xerostomia: Left out to Dry”

E. Postgraduate Student Research Supervision:
N/A

F. Graduate Student Research Supervision:
Joanne Clovis:
• Member of Committee for Sandra J. Cobban, successful defense of Doctorate of Philosophy in Nursing Dissertation: Improving Oral Health for Elderly Residents of Long-Term Care Facilities, March 21, 2012.
• Member of Committee for Noorein Hajira, successful defense of Master of Science in Community Health and Epidemiology. Thesis: Dental caries prevalence and disparities in Nova Scotia children aged seven to eight years. April 25, 2012

G. Awards for Research:
N/A

VI. Professional Development:

A. Major Meetings Attended:
Peggy Maillet:
• ADEA, Orlando Florida, March, 2012
• CAE, Boston, April 2012
Heather Doucette:
• ADEA, Orlando Florida, March, 2012
• CAN- ADAPPT, AGM, Toronto, January 2012

B. Courses Attended:
Nancy Neish:
• School of Dental Hygiene Faculty Workshop, Dalhousie University, Clinical and Curriculum Update, September 9, 2011
• CPR Recertification, October 2011
• Dental Hygiene Study Club, Dalhousie University, Local Anesthesia, Oraqix & TDE Review, Feb 16, 2012
• How to Measure Students’ Knowledge, Clinical Skills, Performance, Faculty of Dentistry, Dalhousie University, December 2011
• Actively Engaging Students in Affective, Cognitive, and Psychomotor Learning Domains: Knowing, Being, and Doing, ADEA, Orlando, Florida, March 18, 2012
• Cultivating Civility in Classroom and Clinic: Engaging the oral Health Community in Civility, Professionalism, ADEA, Orlando, Florida, March 18, 2012
• Motivational Interviewing: Client Engagement for Sustainable Behavior Change, ADEA, Orlando, Florida, March 19, 2012
• Identifying and Assisting Students with Depression, ADEA, Orlando, Florida, March 20, 2012
• Motivating Patients Towards Positive Health Behaviour Changes, Dalhousie University, May 2012
• Faculty Retreat: Curriculum Renewal Faculty of Dentistry, Dalhousie University, June 2012

Joanne Clovis:
• Knowledge of DH Practice in NS: Jurisprudence Course CDHA Module, October, 2012.
• Knowledge of DH Practice in NS: Healthy Workplace CDHA course, October, 2012.
• Health Care Provider CPR Recertification ( Dal CE), May, 2012.
Cara Tax:
- School of Dental Hygiene Faculty Workshop, Dalhousie University, Clinical and Curriculum Update, September 9, 2011
- CPR Recertification, October 2011
- Dental Hygiene Study Club, Dalhousie University, Local Anesthesia, Oraqix & TDE Review, Feb 16, 2012
- How to Measure Students’ Knowledge, Clinical Skills, Performance, Faculty of Dentistry, Dalhousie University, Dec 2011
- Motivating Patients Towards Positive Health Behavior Changes, Dalhousie University, May 2012
- Going Green in the Dental Office, Dalhousie University, May 2012
- Cultivating Civility in Classroom and Clinic: Engaging the oral Health Community in Civility, Professionalism, ADEA, Orlando, Florida, March 18, 2012
- A Model for Integrating Research, Professional development and critical Thinking in Dental School Curricula, ADEA, Orlando, Florida, March 18, 2012
- Engage! Using Social media to Connect as a Dental Educator, ADEA, Orlando, Florida, 2012
- Motivational Interviewing: Client Engagement for Sustainable Behavior Change, ADEA, Orlando, Florida, March 19, 2012
- AAE; Office Management “Dressing for Success”, April, 2012
- CPR Recertification, May, 2012
- Faculty Retreat: Curriculum Renewal Faculty of Dentistry, Dalhousie University, June 2012
- School of Dental Hygiene Faculty Workshop, Dalhousie University, Clinical and Curriculum Update, September 9, 2011
- CPR Recertification, May, 2012
- Dental Hygiene Study Club, Dalhousie University, Local Anesthesia, Oraqix & TDE Review, Feb 16, 2012
- How to Measure Students’ Knowledge, Clinical Skills, Performance, Faculty of Dentistry, Dalhousie University, Dec 2011
- Non-microbial Gingivitis and Oral Effects of Body Modifications, May, 2012
- Faculty Retreat: Curriculum Renewal Faculty of Dentistry, Dalhousie University, June 2012

C. Conferences Attended:

Nancy Neish:

Peggy Maillet:
- Dalhousie University Centennial Conference, Halifax, May, 2012

Chris Robb:
- Dalhousie University Dentistry 100 CDA Conference – May 2012

Cara Tax:

Heather Doucette:
VII. Service Commitments:

A. Departmental:

**Nancy Neish**
- Director, School of Dental Hygiene
- Chair, DH Faculty Committee
- Chair, DH Sub-Curriculum Committee
- Chair, 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

**Joanne Clovis:**
- Member, Dental Hygiene Faculty Committee
- Member, Dental Hygiene Sub-Curriculum Committee (1989- present)
- 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 academic advisor
- Table Clinic advisor

**Chris Robb:**
- Member, DH Faculty Committee
- Member, DH Sub-Curriculum Committee
- 1st & 2nd year student advisor
- Table Clinic Advisor
- Member – DH50 Committee
- Chair – DFA Travel Committee 2007 - Present

**Cara Tax:**
- Member, DH Faculty Committee
- Member, DH Sub-Curriculum Committee
- Chairperson, 2nd Year Dental Hygiene Academic Standards (2008-present)
- Chairperson, BDH Academic Standards (2008-present)
- 1st and 2nd year student advisor
- Table Clinic Advisor
- Member, Ad hoc Four Year Dental Hygiene Degree Committee

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

**Chair, DH50 Anniversary Committee, 2012**
**Member, Oral Cancer Research Group, 2012**

B. Faculty:

**N. Neish:**
- Member, Academic and Clinic Coordinating Committee
- Member, Academic Standards Committee (Main)
- Chair, Dental Hygiene Admissions Sub-Committee
- Member, Main Admissions Committee
- Member, Alumni Relations Committee
- Member, Centennial Committee
- Member, DH50 Committee
- Member, Committee on Dalhousie Faculty of Dentistry Academic Evaluation
- Member, Curriculum Committee (Main)
- Member, Dean’s Advisory Group
- Member, Committee on Dalhousie Faculty of Dentistry Academic Evaluation
- Member, Ad hoc Curriculum/Clinic Integration Committee
- Member, Ad hoc IPL Module Planning Committee
- Member, Ad hoc Treatment Planning/Electronic Periodontal Charting Committee
- Joanne Clovis:
  - Member, Main Curriculum Committee (1990-1995 and 2001 – present)
- Member, Faculty Research Development Committee (2011-2013)

**Peggy Maillet:**
- Member, Committee on Dalhousie Faculty of Dentistry Academic Evaluation
- Social Chair, Centennial Committee, May 2012
- Member, ad hoc Treatment Planning Committee
- Member, Alumni Affairs Committee
- Member, Outstanding Alumnus Committee
- Chairperson, Student Table Clinic Committee
- Unit Director, SAC, DDS1, DDS2, DDS3, DDS4
- Chairperson, Academic Standards, DH1, Member, Main Academic Standards
- Member, Dental Hygiene Sub-Curriculum Committee
- Member, School of Dental Hygiene, Tenure & Promotion Committee

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

**Cara Tax:**
- Member, Main Academic Standards (2008-present)
- Member, Student Table Clinic Committee (2008-present)

**Heather Doucette:**
- Member, Ad hoc Committee on Student Accommodation (2010)
- Member, Ad hoc Committee on Digital Radiography (2009-present)
- Member, Steering Committee for the “Alumni Anchor”
- Member, Oral Cancer Research Group

C) University

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

**Joanne Clovis**
- Tenure and Promotions Committee (1997-present)

**Peggy Maillet:**
- Senate Appointment, Ombudsperson’s Advisory Committee
- Supervisor, Health Mentors Program
- Facilitator: IPHE

**Cara Tax:**
- Facilitator: IPHE
- Heather Doucette:
  - Supervisor, Health Mentors Program
  - Facilitator: IPHE

D. National:

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

**Joanne Clovis:**
- Member, Reference Committee on Oral Health for Best Practices Portal of the Public Health Agency of Canada (http://66.240.150.14/topic/hp-pdls/10/page/1)
- Member, Canadian Association of Public Health Dentistry

**Peggy Maillet:**
- Editorial Board CJDH, 2008-present
- Manuscript Reviewer, CJDH, 2008-present
Social Committee Member, Canadian Dental Association Convention, August, 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
Evaluator for the Outstanding Research Award CDHA, 2011
Project with Univ. of Detroit Mercy, Loma Linda University and Dalhousie University – survey on usage of Social Media, 2011
Facilitator, ADEA, Orlando, Florida, ADHA workshop

**Chris Robb:**
CDHA Educator’s Group

**Cara Tax:**
Member, CDHA
CDHA Educator’s Group
Member, National Dental Hygiene Certification Exam Committee
Member, Hearing Committee College of Dental Hygienists of Nova Scotia

**Heather Doucette:**
Member, CDHA Educator’s Group
Abstract reviewer, CDHA

**E. International:**

**Nancy Neish:**
Member, ADEA

**Joanne Clovis:**
Member, Editorial Board of Prevenzione & Assistenza Dentale (Italian Journal) (2011-2014)
Reviewer, International Journal of Dental Hygiene, Community Dentistry and Oral Epidemiology
Member, International Association for Dental Research
Member, American Association of Public Health Dentistry

**Peggy Maillet:**
ADEA Member
ADEA Special Interest Group – Tobacco Cessation

**Cara Tax:**
Member, ADEA
Article Reviewer, Journal of Dental Education

**Christine Robb:**
Reviewed and provided feedback on two chapters of a new textbook “General and Oral Pathology for Dental Hygiene Practice” for Development Editing and Project Management in Health Sciences Publishing.

**Heather Doucette:**
Member, ADEA
I. Clinic and Building Services: Members of the Unit

**Assistant Dean:**
Blaine M Cleghorn DMD MS

**Patient Care Coordinator**
(axiUm Academic Trainer):
Terry Ackles DDS

**Administrative Assistant:**
Ms. Roberta Emms

**Clinical Services**
Audra Hayden, Assistant Manager

**Clinic Support Services**
Shirlene Dancause, Supervisor
Jennifer Avery
Donna Dickie
Kim Berkers
Sylvia Fleet
Melissa Landry
Maureen LaPierre
Laurie Leadbetter Mitchell
Catherine MacNeil
Pam Miller
Mary Lou Myers
Leanne Paddock
Janice Ruppert
Carol Sauve
Juliette Thomas
Debbie Tibbo
Jennifer Wallace
Marjorie Holms-Laursen
June Bonin

**Medical Device Reprocessing & Dispensary Services**
Paul Hunter, Supervisor
Cathy Bradley-Thibodeau
Kathy Lunn
Josephine Moore
B. Myung
Glenn Fall
Natasha Smith
Infection Control Officer/Oral Surgery Nurse – Cathy MacLean

**Technical Services**
Ron McDonald, Supervisor
Robert Sidebottom

**Patient and Information Services**
Kathy McInnis, Assistant Manager

**Patient Services**
Kore-Lee Cormier, Supervisor
Ellyce Anderson
June Bonin
Diana Conrad
Ann Faulkner
Michelle Fiske
Jacqui Hindlet
Tammy Mayne
Cindy Morgan
Valerie O’Neill
Angela Pitman

**Dental Stores**
Archie Hutchison
Sandra Wallace

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

**Clinic Information System**
Angela Pitman, axiUm trainer

**Building Services**
Tammy Chouinard, Assistant Manager
Robert Creaser
Sarah Currell (Temp)
Corinne Crowdis (Temp)

**Dental Instructional Resources**
Marilyn Klein, Supervisor
Karen Sherwood
Overview
The Faculty of Dentistry, through Clinic and Building Services, operates a class C Health Care Facility which provides an extensive range of oral health care services to patients of all age groups. We provide a full range of clinical experiences for more than 160 dentistry students, 80 dental hygiene students, 9 BDH and 2 graduate periodontal students. Our dental and dental hygiene students see between 8,000-10,000 patients in approximately 25,000 appointments annually. Approximately 1,100 new patients attend the Oral Diagnosis/Screening Clinic each year. This past year also saw a dramatic increase in outreach activities as students and faculty members provided care to patients in Labrador and at the North End Community Health Centre.

Over the past year, the Assistant Dean and the Clinic & Building Services management team have been deeply involved with planning for the FOD Clinic Renewal project. They met regularly with the ad hoc Clinic Renewal Committee, including a trip to Virginia Commonwealth University in October to tour their facilities and examine their curriculum and Group Practice model. The trip was very informative and provided the committee members with great ideas for our renewal.

There were two options pursued for the faculty, Option A was essentially an upgrade to our existing clinic using essentially the same layout and footprint. Option B was a more innovative design based on a Group Practice model. A number of information sessions and meetings were held to explain the two options and answer questions. At the May 2010 Faculty meeting, a motion to endorse Option B was passed.

The primary focus of this project is a total re-design of clinical facilities and services on levels 1 and 2, however the planning process has revealed several spin-off or “domino” projects that must also be addressed. In order to accomplish our goals, with minimum disruption to clinical and academic programs, the project will be broken down into multiple phases and is expected to take several years to complete. The first phase, the renewal of our Medical Device Reprocessing Unit (formerly CSU), is expected to commence in May 2013.

Dr. Terry Ackles joined the Clinic and Building Services group as Patient Care Coordinator (axiUm Academic Trainer) in January 2012. She is working directly with the faculty and Angela Pitman (axiUm trainer) to ensure the clinic moves forward with the change to electronic health records with our Clinic Information System.

Finally, the Centennial Celebrations held in May were a huge success. Most clinic staff participated in the event by supporting the many tours, information tables, and registration required for the over 750 guests who attended the celebrations.

Management and Organizational Changes
The announcement of Bruce Moxley’s retirement in October 2011, sparked a number of organizational and staffing changes within the Clinics and Building Services Unit. There were many responsibilities and challenges to be managed. It was decided to divide Bruce’s responsibilities among the Coordinators Audra Hayden, Kathy McInnis and Tammy Chouinard. With these added responsibilities, their titles changed to Assistant Managers. They work as a team with Dr. Cleghorn to ensure Clinic and Building Services operations are well managed while providing support across the many areas of responsibilities.

Clinic Services
Clinical Services was expanded to include, Clinical Support Services (including Radiology and the Pre-Clinical Dispensary), Medical Device Reprocessing & Dispensary Services (formerly CSU), and Technical Services as well as the Infection Control Officer/Oral Surgery Nurse, Cathy MacLean.
In January 2012, Shirlene Dancause took on a new role as Clinical Support Supervisor. She has been working closely with staff to facilitate extensive cross-training in all clinical areas including Emergency and Graduate Periodontics Clinics. Clinical Service staff provided dental Assisting coverage for several Continuing Dental Education Courses including Implant Surgery and Dental Hygiene Anesthetic Courses and provided extended services for our students with full classes participating in extra mural activities. Clinical support staff took part in the annual recertification of CPR as well as WHIMS. The staff were also educated on safe disposal of Dental Clinic Waste through a project with the Cooperative Student program and Safety Office.

In April 2012, Paul Hunter joined the faculty as the Supervisor for the new Medical Device Reprocessing Unit. Paul comes with many years of Hospital Reprocessing experience, which will be an asset as we move forward with renovations and equipment upgrades. With the amalgamation of the CSU and the Dispensary into one cohesive unit, staff participated in several in-service educational sessions to learn new technology and develop standards of practice for the unit. After 34 years of service, Cathy Bradley Thibodeau took early retirement in May 2012 leaving a vacancy in the unit, which will be filled in the fall.

Patient & Information Services
During the summer of 2011, the new office for Clinical Affairs was rebuilt to allow better access and provide a more professional reception and waiting area for the Assistant Dean of Clinics. With this change, two of the Assistant Managers, Audra and Kathy moved into this area to help support the Assistant Dean of Clinics and Building Services and promote better communication through out the management team. This was our first year with a full time axiUm support position for the students as well as providing training for our faculty. The position has been instrumental in getting faculty interested and more involved with the Electronic Health Record and providing both on one training and class room sessions for both students and faculty. The retirement of a senior dental lab technician as well as having a technician off on extended sick leave has prompted some changes in the Dental Lab. The staff is working to cover these areas with training and upgrading for some as well as hiring temporary specialty lab technicians. The dental lab has reviewed their needs and the requirements for the clinic and will be working with new technology to better support patients needs for the future.

Building Services
The transformation of Building Services is still in progress; temporary staff has been hired to relieve operational demands as the result of organizational changes and the clinic renewal project.

Planning for the Centennial Celebrations was a priority for the Building Services Unit during this reporting period. We worked closely with various departments in Facilities Management and external contractors to complete repairs, prioritize upgrades and clean those hard to reach places, in order to present our building in the best possible light.

Featured Projects
In December 2011, the long awaited refurbishment of the faculty and staff lounge was completed.

The ambiance and feel of the lounge was much improved by the contemporary colour scheme. Thirty-year-old carpet was replaced with hardwood, serviceable oak effect vinyl planking. The kitchen area benefited from a lighting upgrade, as well as new cabinetry and appliances. The lounge area features new leather soft seating, a window bench for computer use and nesting tables and chairs for maximum flexibility and multi-use of space. This new lounge will provide a comfortable gathering place for faculty and staff for many years to come.

In the spring of 2012, a new Elkay EZH20 bottle filling water fountain was installed near the clinic entrance on level 2. Three times faster than a traditional drinking fountain, this new fountain has an electronic sensor that provides touchless, sanitary operation for a quick fill between activities. The convenient delivery of cool filtered water will reduce our dependency on plastic water bottles, and help minimize disposable plastic bottle waste in the environment. Another nice feature is a “green ticker” that reports how many plastic bottles have been saved from the landfill, at the time of this report 6286 had been saved!

Smaller projects include some much-needed upgrades to several offices, classrooms and research labs.

The transformation of Building Services is still in progress. Temporary staff have been hired to assist with the growing workload.

Updates For Clinic Programs
Faculty Practice Clinic
The Faculty Practice Clinic is an intramural practice located in the Sci-Can clinic that is utilized by some of our full-time faculty members. We are pleased to announce our newest Faculty Practice Clinic member, Dr. Richard Price, starting on June 15. There are both generalists and specialists working in this practice. A wide variety of services are available to patients referred to this clinic.

Emergency Clinic
Under the direction of Dr. Chris Lee, this walk-in clinic provides emergency care for patients and expands our emergency services to include non-extraction treatment options for patients. Students rotate through this busy service clinic, quickly learning time management skills and how to triage patients. This clinic has been identified and utilized by the liver transplant unit at Capital Health and provides pre-screening and care (as required) for transplant patients.

Medical Residents are now rotating through this clinic and are gaining valuable clinical experience in administering local anesthesia in our emergency clinic. As well our Bachelor of Dental Hygiene students rotate through this clinic to become proficient in administering local anesthesia.

North End Community Health Care Clinic (NECHC)
Drs. Lee and Kraglund have been the driving forces in establishing a student rotation through the newly-developed dental clinic at the NECHC. This clinic provides a valuable service to a very vulnerable population.

After Hours Emergency Patient Care
Dr. Nason continues to organize the after hours emergency service involving a rotation by DDS4 students. This service has dramatically improved patient care during times that the regular undergraduate clinics are closed.
Sponsored Care Program
The Sponsored Care program provides necessary care for patients who do not have regular access or cannot afford dental care in their communities. The Sponsored Care program allows the Public Health Elective supervised by Dr. Kragland to provide the necessary dental care for under serviced patients.

Natauaashish Clinic
Dr. Tompkins and Dr. Lee provided 27 days of dentistry for the community of Natauaashish, Labrador this past winter. The project has been a new experience for the Faculty of Dentistry and we will be looking to enhance the program in future years.

Graduate Programs
The new Graduate Periodontics program that began in the summer of 2011 is completing its first year of operation under the direction of Dr. Ghiabi. A General Practice Residency Program is being developed and under the supervision of Dr. Chris Lee will begin in June 2013 with two residents.

Harbourview School Clinic
After much coordination with the Halifax School Board and Networks and Systems, we finally have a fiber link connection with Harbourview School to support our digital imaging system. A new Scan X unit was installed in April therefore eliminating the need for chemical processing of dental radiographs. The new Belmont x-ray unit is to be installed in June to bring this part of the clinic up to date.

Upgrade In Clinical Areas
Radiology
The digital imaging process for the clinic went through several changes over the past year. We began this process by allowing the students to process their own PSP plates on Level 2. Infection control concerns and management of the PSP plates necessitated changes. We have now returned the processing of these plates back to the staff and all plates for Level 2 are dispensed from the scanning room 2459 and for Level 1 they are dispensed from the Main Processing room. Staff will continue to process all PSP plates on Level 1 and 2 to maintain proper infection control and to manage the necessary inventory of the plates.

There were two iMac computers installed in the radiology cubicles to support the new Schick sensor system. This change will allow students to practice their positioning techniques with a new technology during their specific dental hygiene labs.

Lasers
In January 2012, we introduced laser technology in our clinics. In order to meet University safety guidelines for the use of the Class 4 Tissue Lasers, two cubicles were outfitted with custom made laser barrier curtains. Faculty, staff and students were required to complete laser safety training, which included an online University safety course and a hands on course provided by Ivoclar Vivadent in conjunction with our Dental Faculty.

3M Lava Chairside Oral Scanner - COS
In January 2012 we also introduced the Lava Chairside Oral Scanner. The Lava™ Chairside Oral Scanner provides highly accurate digital impressions with 3D-in-motion technology, and is compatibility with top dental CAD/CAM systems. Faculty, staff, and students received hands on training in the proper use of this new technology.

Surgical Handpieces
In February 2012, we replaced our nitrogen driven surgical handpieces with new Micropower High Speed Surgical Drills thereby eliminating the need for nitrogen in the oral surgery clinic.

ITS Changes / ITS Support
Renewable Computing Resources
Shortly after implementing the laptop program in 2006, we realized that we had inadequate computing resources to support the teaching requirements for this new electronic curriculum. We needed to find a way to not only provide faculty members with laptop computers, but also keep them current. An agreement was made with Macquarie Financial, the company who holds the leases for the student laptops, to purchase up to 10 of the returned student computers/year.

The laptop model has worked so well, that we decided to apply the same model to desktop computers. In April 2009, we signed a 3-year lease-to-return agreement with Macquarie Finance for 42 iMacs to replace existing clinic computers. When the iMac lease expired in March 2012, we leased new computers for the clinic and purchased enough of the returned computers to upgrade outdated staff computers.

Clinic keyboards were also replaced in February 2012.

Introduction of the YubiKey
In January we began a trial with the DDS 2 class and faculty by implementing an approval system using a YubiKey device. This trial provided us with feedback and ideas therefore allowing us to implement all faculty approvals for students completed treatments electronically. This is the first step, involving the faculty in the Electronic Health System as we move toward a more paperless clinic.

New Service Level Agreement
The clinic has had two Service Level Agreements with the University’s ITS group. This year we met with both the Administrative Computing Group and the Academic Group and combined the two agreements into one. There was agreement by all three parties as to the services they all would provide. This is also our first year with a full time Dentistry Help Desk position to help the students with many issues pertaining to their laptops and the other software programs they use.

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
• Cariology I Field Isolation and Class II Matrices and Restorations

Educational Innovations
A web-based course in Dental Anatomy using SoftChalk® was launched in 2011. The online course material was used as a resource for students in the DDS/DMD programs at Dalhousie University, the University of Manitoba and East Carolina University. The site utilization was tracked using Google Analytics and in a one month period had 1,498 visits and 4,123 page views. The site has had visitors from 10 countries. The 2012-2013 version of the course includes additional QTVR movies as well as an extensive question database.

A web-based Mock OSCE exam was developed and distributed initially only to students in Canadian dental schools as a resource to prepare for the NDEB OSCE exam in March 2012. Site utilization was also tracked using Google Analytics. Individuals from 16 countries have visited the site. In the one month period preceding the actual NDEB OSCE
exam, the site had experienced 1,007 visits and 22,995 page views. The site is now open access.

Awards & Honours
• 2012 Promoted to Full Professor
• 2012 Dalhousie University Health & Safety Award

IV. Papers, Books and Reports

Books & Chapters

Other papers in Press
• Cleghorn BM, Christie WH and Boorberg, NB. Primary Human Teeth and their Root Canal Systems. Endo Topics (in press). This is an invited paper for Dr. Leif Baklund (guest editor for Endodontic Topics) with an expected publication date of July, 2012.

V. Research Activities

Research & Scholarly Activity

Grants
• Nova Scotia Health Research Foundation REDI Team Development Award for the project “Developing an Oral Health Clinical Research Enterprise in Nova Scotia” - $10,000. Boyd, D, Cleghorn, BM, Filiaggi M and Loney, B.

VI. Professional Development

A. Major Meetings Attended
2012 ADEA in Orlando, FLA
2011 Visit to Virginia Commonwealth University Faculty of Dentistry (fact finding visit for clinic renewal project), Richmond, VA
• ACFD Board meeting, Naples, FLA
• Public Health Agency of Canada Working Group meeting - Development of a national guidance document on preventing the transmission of bloodborne pathogens from infected healthcare workers to patients, Ottawa, ON
• ACFD Board meeting, Orlando, FLA

• American Board of Dental Examiners meeting, Chicago, ILL
• NDEB Examination Committee meeting, Ottawa, ON

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
2012-present ACFD/CDA DAT (Dental Admissions Test) Working Group
2011-present ACFD Nominating Committee
2010-present ACFD Board member
Chair – Clinical Affairs Committee

Commission on Dental Accreditation
2012 University of Toronto DDS Program accreditation site visit

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

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

Dalhousie University - Faculty of Dentistry
2011-presentad hoc Clinic/Facilities Renewal Committee
2010-2012Main Academic Standards Committee - Chair
Main Curriculum Committee - Chair
2008-presentCommittee on Infectious Diseases - Chair
2006-presentDentistry Curriculum Sub-committee
Dental Hygiene Curriculum Sub-committee
2004-presentChart Audit Sub-committee - Chair
2003-presentFaculty 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

Other Professional Activities (Journal and Book Reviews)
During the past year, 8 articles were reviewed for peer-reviewed journals.

2012 Reviewer for the Acta Odontologica Scandinavica
2012 Reviewer for the Annals of Medical and Health Sciences Research
2012 Reviewer for the International Journal of General Medicine
2012 Reviewer for the International Journal of Oral Science

2011-present Reviewer for Clinical Anatomy
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

60 Dalhousie Faculty of Dentistry