The Network for Canadian Oral Health Research: Fostering Engagement in Research and Innovation

Alain Moreau PhD
Executive Director
Network for Canadian Oral Health Research
Full Professor
Faculty of Dentistry & Faculty of Medicine
Université de Montréal
Scientific Director
Viscogliosi Laboratory in Molecular Genetics of Musculoskeletal Diseases
Sainte-Justine University Hospital Research Center

alain.moreau@umontreal.ca

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Vision

“The NCOHR is the primary resource for initiating, supporting, and sustaining innovative and collaborative oral health research designed to benefit the health of all Canadians: Healthy mouths – healthy bodies.”

Interdisciplinary Collaboration: A Cornerstone of NCOHR

Launched in 2012, the Network for Canadian Oral Health Research (NCOHR) is a member driven network intended to transform oral health research by enhancing the convergence of disciplines to improve the health of Canadians.
Mission Statement

- Promote mentoring of the next generation of oral health researchers;
- Aid development of interdisciplinary research teams;
- Enable sharing of research-related resources;
- Guide development of sustainable infrastructure; and
- Facilitate communication between and among knowledge creators and knowledge users.
Oral health encompasses many important pediatric and adult diseases that affect a great number of Canadians.

NCOHR is different from other networks because:
• It covers a unique and long health continuum from fetal development and birth defects, to orphan genetic diseases and chronic diseases involving bone, cartilage, oral mucosa, muscle, nerves, skin, and the oral microbiome.

Oral health research is at the crossroad of many disciplines:
• From nanotechnologies to stem cells and regenerative medicine;
• From the study of pain mechanisms to the development of new biomaterials and unique animal models;
• Identification of biomarkers and new diagnostic tools using saliva and other biological fluids (personalized medicine);
• New imaging methods and development of innovative devices to improve health;
• From cells to society.
Fostering Innovation Ecosystem

A very bold mission of NCOHR

where innovation in research must meet Canadians’ needs and improve health cares through a convergence of disciplines

We need to work with all key players to create an inclusive interface between various stakeholders, to generate solutions across the entire clinical spectrum. This is why NCOHR has a vital role to play in this area acting essentially as a “success-connector”. 
Membership

575 Members (June 2018)

- 297 Active Members
- 205 Students/Trainees
- 46 Affiliates (clinicians/industry reps/RDOs)
- 27 Institutional, networks and consortia

We’re growing!
Geographic Distribution
Non-Institutional Members
Governance

Development and ongoing operations of the network: http://www.ncohr-rccrsb.ca/

Iona Worden-Driscoll MBA
National Coordinator

Alain Moreau PhD
Director

Executive Committee

International Scientific Advisory Board

Citizen Advisory Board for Oral Health Advancement

Steering Committee

Knowledge Exchange Trans-NCOHR working Group

Innovation Exchange Trans-NCOHR-working Group

* joint venture with CADR

Working Group 1
Aging-well

Working Group 2
Pediatrics
Growing healthy

Working Group 3
Indigenous Peoples’ Health

Working Group 4
Complex Diseases

Working Group 5
Trainee Development

Strategic planning to support the network’s mission and vision
CDAA leadership at NCOHR

Ms. Tammy Thomson
NCOHR steering committee member
CDAA President
Curriculum Leader, Dental Assistance Program, LBPSB

Ms. Stephanie Mullen-Kavanagh
NCOHR communication committee member
CDAA Executive Director
International Scientific Advisory Board

Dr. Pam Robey
Chief, Skeletal Biology
National Institute of Dental
and Craniofacial Research
Acting Scientific Director of the NIH Stem Cell Unit,
Bethesda, MD, USA

Dr. Mariano Sanz
Professor and Chairman
Periodontology,
University Complutense of Madrid, Spain
Professor, University of Oslo, Norway

Dr. Jill Helms
Professor, Department of Surgery, Stanford University
School of Medicine, Stanford, California, USA

Dr. Thomas Van Dyke
Vice President, Clinical and Translational Research
Director of the Center for Clinical and Translational Research, Forsyth Institute,
Cambridge, Massachusetts, USA

Dr. Murray Thomson
Professor of Dental Epidemiology and Public Health, Faculty of Dentistry,
University of Otago, Dunedin, NZ

Dr. J. Timothy Wright
Bawden Distinguished Professor, Director of Strategic Initiatives
Department of Pediatric Dentistry, UNC School of Dentistry, Chapel Hill, North Carolina, USA

Dr. Patricio Smith
Associate Professor Dentistry
Faculty of Medicine, Pontificia Universidad Católica de Chile, Chile

Dr. Valeria Gordan
Professor, Restorative Dental Sciences
Department Director of Practice-Based Research, University of Florida, USA

Dr. Richard Watt
Professor, Dental Public Health
Head, Department of Epidemiology and Public Health, University College London, London, UK

http://www.ncohr-rcrsb.ca/
Citizen Advisory Board for Oral Health Advancement

Allan Stordy
President & CEO, Arete® HR Inc.

Kim Neudorf
Volunteer Member Patents for Patient Safety Canada

Lyle Best
C.M., ALHC., LLD (hc)

Dr. Patricia Main
Professor, Dept of Community Dentistry, University of Toronto
Past Chair, Federal Dental Care Advisory Committee

Grace McLeod
Director Student Success Services First Nations University of Canada

Dr. Michael MacEntee
Professor Emeritus, Prosthodontics and Dental Geriatrics University of British Columbia

http://www.ncohr-rcrsb.ca/
Working Groups’ Chairs

Pediatrics & Growing Healthy
Indigenous Peoples’ Health
CADR-NCOHR Trainee Development
Innovation Exchanges
Aging & Well-Being
Complex Diseases
Knowledge Exchanges

Robert Schroth
Mary Ellen Macdonald
Morrie Manolson
Paul Santerre
Christian Caron
Gilles Lavigne
Debora Matthews
Programs & Activities
2017-2022

1. Talent Development
   • NCOHR Summer Research Institute
   • CADR-NCOHR Student Travel Award

2. Creation of Collaborative Interdisciplinary Research Teams
   • Team-Connect Development Program
   • New Frontier Seed Program

3. Translating Discoveries to Health
   • MEDTEQ-NCOHR Innovation Program
   • CDA–NCOHR Innovative Research Tools
   • Knowledge-Exchanges
Talent Development (1)

NCOHR Summer Research Methodology Institutes

• Research methodology skills training
• Annual - 4 grants over the cycle of 5 years
• Max $25k/grant

NCOHR is pleased to announce the successful applicant of our 2018 Summer Institute in Oral Health Research Methodology funding opportunity.

Dr. Belinda Nicolau (McGill University) will organize and host the 2018 McGill Summer Research Institute in Innovative Methodologies. It includes a choice of 4 courses: Mixed Methods in Health Research, Life Course Epidemiology, Meta-Analysis of Clinical & Basic Science Research, and Qualitative Health Research with Children & Youth. The courses are being held on July 2-6 and July 9-13, 2018.

“Summer Institute in Innovative Methodologies”
https://www.mcgill.ca/dentistry/summer-institute
Talent Development (2)

CADR-NCOHR Student Travel Awards

- Research trainee travel to CADR meeting
- Annual (15/yr) – 75 grants, $1k/grant
- 2018 awards presented at CADR AGM in March:
  - 5 - British Columbia
  - 5 - Ontario
  - 2 - Quebec
  - 1 - Alberta
  - 1 - Saskatchewan
Creation of Collaborative Interdisciplinary Research Teams (1)

Team-Connect Development Program

- *Team building workshop*
- *Annual, max $20k/grant*

NCOHR is pleased to announce the successful applicant of our 2018 Team-Connect Development Program funding opportunity.

**Dr. Ana Miriam Velly** (McGill University) and **Dr. Gilles Lavigne** (Université de Montréal) will organize a team building workshop entitled: “Interdisciplinary research for translating knowledge on transition from acute to chronic temporomandibular disorders – from patients and family to clinical practice”.

Dr. Ana Miriam Velly  
Dr. Gilles Lavigne
Creation of Collaborative Interdisciplinary Research Teams (2)

New Frontier Seed Development Program

- Three strategic themes to stimulate research and knowledge translation activities
- Annual, 1-2/yr per theme = 21 grants
- Max $20k/grant
- 2018 competition launched; deadline is May 3

- Theme 1: Improving oral health care access and treatments
- Theme 2: Aging and the inception/progression of degenerative and chronic diseases that affect the body, including the mouth
- Theme 3: Role of the oral microbiome, saliva and/or oral infections in systemic diseases
- Theme 4: Novel research avenues with a strong potential for innovation and excellence
Translating Discoveries to Health and Better Oral Health Care (1)

MEDTEQ-NCOHR Innovation Competition

• Financial + in-kind support to accelerate development of medical technologies
• Min 3 projects
• Available project funds <= $1.5 million for 3 yrs
MEDTEQ is the Quebec Consortium for Industrial Research and Innovation in Medical Technology. Its mission is to **accelerate the development of innovative technological solutions** to improve patients’ health and quality of life. MEDTEQ supports their validation and integration in the healthcare system and their impact, both locally and globally, by bringing together **the complementary skills of industrial and academic partners** with those of healthcare providers.
MEDTEQ – Innovation Focus Areas

STRATEGIC AXES

Connected health
- Big data
- ITC
- Telehealth

Imaging and Simulation
- Visualization
- Surgical applications
- Medical training

Human performance
- Prevention
- Sports medicine
- Rehabilitation

Personalized health
- Diagnosis
- Custom solution
- Neuroscience
- Cardiology
- Orthopedics

Enabling technologies
- Textiles
- BioMEMS
- Biomaterials
- Plastics/Polymer
- Nanotechnology

Network for Canadian Oral Health Research
Réseau canadien de recherche en santé buccodentaire
Translating Discoveries to Health and Better Oral Health Care (2)

CDA–NCOHR Innovative Research Tool

- R&D related to admission tools and processes for dental schools
- Available program funds = $1 million
- Two competitions launched for Aptitude Testing related to Admissions to Canadian Dental Schools: (1) Social Skills (2) Manual Dexterity (deadline – April 27)

Knowledge Exchanges

- Working Groups (KE & IE trans-NCOHR)
- NCOHR Communications Committee
- Member-driven communication strategies/knowledge dissemination plans
Communications
June 2018

- 92,180+ website page views (overall)
- 19,560 YouTube video views
- 757 Twitter followers
- 534 newsletter subscribers
- 272 Facebook followers
- 43 LinkedIn followers

http://www.ncohr-rcrsb.ca/
To join us

Alain Moreau, PhD
Executive Director

Coordinates
Phone: 514-345-4931 ext: 5722
Email: alain.moreau@umontreal.ca

Iona Worden-Driscoll, MBA
National Coordinator

Coordinates
Email: info@ncohr-rcrsb.ca
Web site: http://www.ncohr-rcrsb.ca/