



May 12, 2008

Ms. Mary Elizabeth Taylor  
Mr. Oliver Tomlin  
Witt/Kiefer Consultants

**RE: Application for the position of Dean, Temple University Kornberg School of Dental Medicine**

Dear Ms. Taylor and Mr. Tomlin,

I kindly request your consideration of my application for the position of Dean of Temple University Kornberg School of Dentistry. My management and leadership experience spans over 20 years. The best measure of experience is impact. I have led, with others, in developing the field of evidence-based dentistry in Canada and US and promoted new approaches to improve dental access. One of the areas where I would like to focus on during the next phase of my career is to change the assembly line model of curriculum design and the focus on technical procedures at the expense of learning and analysis. Dental education should evolve towards learning models more suited for the information age. As dean, and based on my extensive experience and training in organizational management and dental education, I will work to build a model program at Temple University Kornberg School of Dentistry that will be emulated by others within a decade. My experience in community outreach, community networks, organized dentistry, research, dental education, business, and operations of Federally Qualified Health Center will provide the foundation for developing the Temple University Kornberg School of Dentistry model for dental education.

Throughout my career, I have communicated and advocated with political and dental leaders, community organizations, and government officials. I chaired two departments at Dalhousie University in Canada; and I am currently a member of the executive committee of the Department of Cariology, Restorative Sciences, and Endodontics, and a consultant on several inter-school projects at the University of Michigan. In 2005, I graduated with distinction from the Executive MBA program of the Stephen M. Ross Business School at the University of Michigan. My social network is extensive; I have worked and communicated with dental leaders from Montana, to Arizona, and Michigan.

I am currently a Professor of Health Services Research and Cariology at the University of Michigan School of Dentistry; Professor of Epidemiology and Director of the Program in Dental Public Health, School of Public Health; Director of the NIH-funded Detroit Center for Research on Oral Health Disparities and the Detroit Oral Cancer Prevention Project. I have held several leadership positions at professional organizations. I was the chair of the American Dental Association (ADA) Council on Scientific Affairs between 2005 and 2006; current Chair of the ADA Curriculum Committee of the Community Dental Health Coordinator; and former chair of the National Affairs Committee of the American Association for Dental Research (AADR). I have organized and co-organized several national and international conferences that led to major changes in dental, education, research, and practice. Internationally, I co-chair the Coordinating Committee of the International Caries Detection and Assessment System (ICDAS).

As Dean of Temple University Kornberg School of Dentistry, I will work to build a global dental school. My work will focus on the following areas:

- 1. Financial and business planning:** I have expertise in developing and managing large research and operational budgets as well as in financial strategic planning. Financial sustainability will be one of the main drivers to strengthen and maintain the school's programs. As Dean, I will initiate lean management and fiscal diversity programs. Sustainability requires innovation in business development as well as establishing new revenue centers. Developing sound financial strategy will involve all dental leaders at the school. I will also seek the assistance of business and foundation leaders in the healthcare field in Pennsylvania who will be invited to serve on financial strategy advisory board.
- 2. Science-based education, research and practice:** I have been a leader and a change agent in the field of evidence-based healthcare. As Dean, I would develop and support the full integration of the scientific method into clinical education and patient care. This goal will be achieved through a strategic plan that will motivate, encourage, and support the development of analytical skills using evidence-focused and patient-centered dental curricula. Change in dental education will be managed in a program that encourages enrollment and active participation of all faculty and students. Top-down changes have not succeeded in developing sustainable and real change in dental curricula.

The new curriculum will focus on integrating and leveraging pre-dental/pre-medical education into the design of the dental curriculum. Students will focus early in their dental education on clinical application and analysis of clinical cases. They will integrate their knowledge of basic sciences with clinical practice.

- 3. Social networks:** Effective leaders build strong and wide social networks with potential partners locally, nationally, and even internationally. Social credit is built over time and building networks requires commitment to meet the needs of others. At Temple University Kornberg School of Dentistry, I will build networks with communities and universities locally, nationally, and internationally. The network will include dental and community leaders who will play pivotal role as partners and beneficiaries of Temple University Kornberg School of Dentistry programs. Using my extensive experience in creating win-win programs I will develop reciprocal relationship with all potential partners.
- 4. Social responsibility:** I build collaborative programs with the other programs in order to serve the needs of the underserved, the poor, and the weak in society. I have established a dental clinic to provide dental care for Black children in Nova Scotia. In Detroit, my work has changed the delivery of dental care to the residents of the city. At the ADA, I promoted and succeeded in developing an oral health promotion initiative; the Community Dental Health Coordinator project. Currently, dental leaders at the national level address dental access with a new perspective that focuses on changing determinants of oral and dental disease.
- 5. Faculty recruitment:** The future success of Temple University Kornberg School of Dentistry will depend on recruiting high caliber clinicians and educators. My connections nationally and internationally will be an asset in recruiting faculty who will best fit the mission of the school. The focus will be on experts who can learn and are also comfortable with building innovative programs.

Throughout my career, I have been a positive and provocative change agent who has focused on achieving outcomes to promote science in dentistry, in education and dental practice as well as the promotion of oral health among the underserved. I have and still manage as a leader and a team member organizations in research and service. My experiences have prepared me for leading Temple University Kornberg School of Dentistry and manage the difficult choices and decisions that dental education is facing now and it will face in the future.

I look forward to hearing from you and discuss my vision for leadership of Temple University Kornberg School of Dentistry.

Sincerely,



Amid I. Ismail, BDS, MPH, MBA, DrPH, Diplomate ABDPH  
Professor, Department of Cariology Restorative Sciences, and Endodontics  
School of Dentistry, University of Michigan

Email: [ismailai@umich.edu](mailto:ismailai@umich.edu)

## CURRICULUM VITA

**Amid I. Ismail**

### **PERSONAL HISTORY**

**Citizenship** United States of America  
Canada

**Address** Professor  
Department of Cariology, Restorative Sciences, and  
Endodontics  
School of Dentistry, Room 2355  
The University of Michigan  
1011 North University  
Ann Arbor, MI 48109-1078  
TEL = 734-647-9190 or FAX = 734-936-1597  
EMAIL = [ismailai@umich.edu](mailto:ismailai@umich.edu)

**Home address**

**Language** ENGLISH

### **Educational History**

<i>Institution and Location</i>	<i>Degree</i>	<i>Date</i>	<i>Degree Focus</i>
University of Michigan	MBA	2005	Business Administration (Distinction)
University of Michigan	DrPH	1984	Oral epidemiology and public health
University of Michigan	MPH	1980-	General epidemiology and public health
University of Baghdad	BDS	1976	Dentistry

### **Spouse**

Hana Hasson, DDS, MS  
Associate Clinical Professor  
Department of Cariology, Restorative Sciences, and  
Endodontics  
School of Dentistry  
University of Michigan

## **PROFESSIONAL HISTORY**

### **Academic and Professional Appointments**

- 2004-present Professor and Director of the Program in Dental Public Health,  
Department of Epidemiology, School of Public Health
- 2004-present Director, Program in Dental Public Health, School of Public Health
- 1997-present Professor (tenured), Department of Cariology, Restorative Sciences,  
and Endodontics, School of Dentistry, The University of Michigan

### **Additional Appointments**

- 2003-present Adjunct Professor, Department of Epidemiology, School of Public  
Health, University of Michigan

### **University of Michigan (1997-present)**

- 1998-1999 Dental Scholar in-Residence, Center for Practice and Technology  
Assessment, Agency for Health Care Policy and Research

### **Dalhousie University, Canada (1988-1997)**

- 1995-1997 Professor and Chair, Department of Dental Clinical Sciences,  
Dalhousie University, Canada
- 1992-1995 Associate Professor and Chair, Department of Pediatric and  
Community Dentistry, Faculty of Dentistry, Dalhousie University
- 1988-1997 Associate Professor, Department of Community Health &  
Epidemiology, Faculty of Medicine, Dalhousie University
- 1988-1995 Associate Professor, Department of Pediatric and Community  
Dentistry, Faculty of Dentistry, Dalhousie University
- 1992-1993 Coordinator, Dental Management Information Systems, Faculty of  
Dentistry, Dalhousie University

### **McGill University, Canada (1986-1988)**

- 1986-1988 Assistant Professor, Department of Community Dentistry, Faculty of  
Dentistry, McGill University
- 1987-1988 Acting Chairman, Department of Community Dentistry, Faculty of  
Dentistry, McGill University

### **University of Michigan (1982-86)**

- 1985-1986 Assistant Professor, Program in Dental Public Health, School of Public  
Health, the University of Michigan

- 1984-1985 Lecturer/Assistant Research Scientist, Program in Dental Public Health, School of Public Health, the University of Michigan  
 1982-1984 Research Associate, Program in Dental Public Health, School of Public Health, The University of Michigan

**University of Baghdad (1977-79)**

Clinical instructor, Department of Operative Dentistry

**Honors and Awards**

- 2007 Chair, Curriculum Development Committee of the Community Dental Health Coordinator program  
 2007 Alternate Delegate, District #9, American Dental Association's House of Delegates  
 2007 Plenary speaker, National Oral Health Conference, Denver, Colorado  
 2007 Invited speaker: Two symposia, National Oral Health Conference  
 2007 Speaker: National Oral Health Primary Care Conference, Scottsdale, AZ  
 2007 NIH Dissemination Research Review Panel  
 2007 Chair, Special Panel Review Committee, NIDCR, NIH  
 2006 ADA President's Award for Professional Service  
 2006 Member, ADA Clinical Recommendations on Topical Fluorides  
 2006 Member, ADA Clinical Recommendation on Sealants  
 2006 Expert consultant, ADA Evidence-based Dentistry Advisory Committee  
 2006 Member, Omicron Kappa Upsilon – Chi Chapter  
 2006 American Dental Association President's Award for Service  
 2006 Member, 96H Committee, American Dental Association  
 2005 Brauman-Bell Alpha Omega Lectureship, Baylor University, 2005  
 2005 Chair, ADA Council on Scientific Affairs  
 2005 University of Michigan Stephen M. Ross School of Business, graduated with distinction  
 2004 University of Michigan Regents' Award for Community Service  
 2001 IADR H. Trendley Dean Memorial Award  
 1991 MRC (Canada) Visiting Professor, University of Toronto, Canada  
 1972-76 First in class at the dental school

**Dental and other Licensures**

Academic License, State of Michigan, Board of Dentistry, #2901017137  
 Diplomate, American Board of Dental Public Health, 1995-present

**Current Society Memberships**

- 1982-present Member, International Association for Dental Research  
 1985-present Member, American Association of Public Health Dentistry

1999-present Member, Michigan Dental Association  
 1999-present Member, American Dental Association  
 2002-present Member, American Association of Public Health,  
 2006-present Member, National Network for Oral Health Access

## **SERVICE**

### **Committee Appointments and Consultant Positions (Dental School, University of Michigan)**

2007-present Organizer of the Detroit Dental Collaboratory  
 2006-present Clinical Design Team  
 2005-present Executive Committee, Department of Cariology, Restorative Sciences, and Endodontics  
 1997-98 Clinical Research Committee  
 1997-99 Cariology Curriculum review group, facilitator  
 2001-02 Clinical Outcomes Evaluation Committee, Chair

### **Committee Appointments and Consultant Positions (University of Michigan)**

2005-2007 Member, of the University Board of Regents Public Service Award Committee  
 2005-2007 Member, Curriculum Committee, Department of Epidemiology, School of Public Health  
 2007-present Member, Admissions Committee, Department of Epidemiology, School of Public Health  
 2007-present Member, Senate Medical Affairs Committee, 2007-present  
 2007-present Member, MCRIT Training Committee, 2007-present  
 2005-present Senate, Multicultural Affairs Committee  
 1998-2003 Senate, Government Relations Committee  
 2001-2004 Residency Appeal Committee, 2001-2004  
 1997- 2002 University of Michigan's Health Service Research Initiative, Executive Committee  
 1999-2000 University of Michigan's Provost Initiative on Advancing Collaborative Learning

### **Committee Appointments and Consultant Positions (Dalhousie University)**

1990-1993 Member, Dalhousie University Senate Computing and Information Technology Planning Committee  
 1991-92 Member, Senate Advisory Committee on International Development,  
 1991-92 Member, Executive Committee, Dalhousie University Computer Users' Group  
 1993-97 Member, Research Advisory Committee, Atlantic Health Promotion Centre

1994-97 Tenure and Promotion Committee, Department of Community Health and  
 1994-97 Epidemiology, Faculty of Medicine  
 1994-97 Member, Senate Physical Planning Committee  
 1995-97 Member, Atlantic Health Promotion Center Advisory Board  
 1995-97 Human Ethics Review Committee, Faculty of Health Professions  
 1996-97 Faculty of Science Review Committee, Dalhousie University

**Committee Appointments and Consultant Positions (State and Regional)**

1998-present Consultant, Voices of Detroit Initiative

**Committee Appointments and Consultant Positions (National and International)**

2006-present American Dental Association (ADA) Curriculum Committee (Chair):  
 Community Dental Health Coordinator  
 2006-present ADA National Development and Coordinator Committee: Community  
 Dental Health Coordinator  
 2006-present ADA Clinical Recommendations Panels  
 2006 96-H Resolution Committee  
 2005-06 ADA Norton Ross Award Selection Committee  
 2005-06 Gold Medal in Research Award Committee  
 2005-06 ADA Tekker Report Steering Committee, 2005-06  
 2005-present Alternate-delegate, ADA House of Delegate, 2005-06  
 2006 Chair, Council on Scientific Affairs, 2005-2006  
 2003-05 Chair, National Affairs Committee, American Association for Dental  
 Research, 2003-2005  
 2006 Vice-Chair, Council on Scientific Affairs, American Dental Association,  
 2001-present Key Consultant, ADA Evidence-based Dentistry Task Force  
 2004 External reviewer, Senior Appointments and Promotions Committee,  
 University of Connecticut Health Center School of Dental Medicine, 2004  
 2002-present Co-founder, International Caries Detection and Assessment System; 2002-  
 present  
 2004 Member, Oral Health Literacy Project, NIDCR/USPHS, 2004.  
 2004-05 Member of the Joint Center for Political and Economic Studies Review  
 Committee of Oral Health Care for African Americans  
 2003-05 Member, Detroit Department of Health Oral Health Planning Committee  
 2003 Member, External Advisory Committee, University of Illinois  
 2003 Member, State of Michigan Steering Committee for the Oral Health  
 Planning Initiative  
 2003-2006 Member, External Advisory Committee, University of Alabama, 2003-  
 present  
 2002 Member, Special Clinical Research Panel, NIDCR, NIH  
 2002-05 Chair, External Scientific Program Advisory Committee, School of  
 Dentistry, University of Puerto Rico  
 2002-03 Chair, Needs Assessment Committee: School of Dentistry, Meharry  
 Medical College

- 2001-03 Consultant, Council on Scientific Affairs  
 1997-99 Co-author of one chapter, US Surgeon's General Report on Oral Health,  
 1997-2003 Consultant, American Dental Association Dental Economics Advisory  
 Group  
 1999 Co-organizer, NIDCR Workshop on Diagnosis of Early Childhood Caries,  
 April 1999  
 1999-2001 Organizer NIH Consensus Conference on Dental Caries Diagnosis and  
 Management Throughout Life  
 1993-97 Canadian Dental Association Professional Products Review Committee  
 1992-93 External reviewer, University of Toronto Faculty of Dentistry, Department  
 of Dentistry, Department of Community Dentistry  
 1992-93 External reviewer, University of Toronto Faculty of Dentistry, Department  
 of Dentistry, Department of Community Dentistry  
 1990-97 Served on several national dental committees in Canada  
 1989-91 Member, Bedford Board of Health, Nova Scotia, Canada

## **PRESENTATIONS**

### **State-focused Presentations (Selected)**

- 2007.06 Community Dental Health Coordinator. Michigan Oral Health Coalition,  
 Plenary Speaker.  
 2007.05 Integrated Community Health Worker and Dental Care Model. Minnesota  
 Dental Association, MN  
 2007.06 Integrated Community Health Worker and Dental Care Model, Michigan  
 Oral Health Coalition, Lansing, MI  
 2007.02 Community Dental Health Coordinator, Meeting of all dental organization  
 and dental schools in southeast Michigan, Detroit, MI  
 2007.03 Community Dental Health Coordinator, Michigan Primary Care  
 Association Executive Board, Lansing, MI  
 2007.01 Community Dental Health Coordinator. Arizona Dental Association  
 Executive Committee, Phoenix, AZ  
 2006.07 Integrated Dental Care Model, Arizona Dental Association House of  
 Delegates, Prescott, AZ

### **National and International Presentations (Without Abstracts): Selected presentations from over 100**

- 2008.01 The Community Dental Health Coordinator, New Mexico Dental  
 Association  
 2008.03 Caries Detection, Assessment, and Management, Intercontinental  
 University, Mexico City  
 2007.05 Reinvesting Dental Public Health, Plenary Session, National Oral Health  
 Primary Conference, Denver, CO

- 2007.04 How to prepare for scientific reviews. NIDCR Symposium, National Oral Health Conference, Denver, CO
- 2007.04 ADA Clinical Recommendations on Professionally-applied topical fluorides, National Oral Health Conference Workshop, Denver, CO
- 2007.03 Oral health disparities. American Association for the Advancement of Science Annual Meeting, San Francisco, CA
- 2007.02 ADA CELL seminar speaker: Evidence-based Dentistry, Montana Dental Association, Helena, Montana
- 2007.03 Community Dental Health Coordinator, Commission On Dental Accreditation, Chicago, IL
- 2007.12 Detroit Oral Cancer Prevention Project. National Primary Oral Health Care Conference, Scottsdale, AZ
- 2006.10 Social Determinants of Oral Health. ADA Workshop on Practical Science, Las Vegas, NV
- 2006.10 Evidence-based Dentistry, Brauman-Bell Alpha Omega Lectureship, Baylor University College of Dentistry, Dallas, TX
- 2006.01 Two workshops: Evidence-based dentistry and Caries Risk Assessment, Yankee Dental Congress, Boston, MA
- 2003.05 Early Childhood Caries, Keynote Address, American Academy of Pediatric Dentistry, New York, New York
- 2001 Dental caries during the millennium, opening presentation at the NIH Consensus Conference on Detection and Assessment of Dental Caries Throughout Life
- 1994 MRC Visiting Scholar, University of Toronto, Keynote Address on Clinical Decision Making

**National and International Presentations: (With Abstracts): Selected presentations from over 200**

- 2007 Li Y, Ismail AI, Tellez M, Chen Z, Sohn W. Microbiological Determinants of High Caries Prevalence in a Mother-Child Cohort. International Association for Dental Research, New Orleans, 2007
- 2007 Reisine ST, Sohn W, Ajrouch K, Ismail AI. Biopsychosocial predictors of incident cavitated lesions among young African-American children. International Association for Dental Research, New Orleans, 2007
- 2006 Ismail AI, Willem J, Sohn W. Detroit Oral Cancer Prevention Project. National Primary Oral Health Conference, Scottsdale, AZ, 2006.
- 2006.12 Sohn W, Ismail AI, Amaya AE, Lepkowski JM. Determinants of dental care visits of low-income African-American children. National Primary Oral Health Care Conference, Scottsdale, AZ, 2006.
- 2006.03 Ismail AI, Sohn W, Tellez M. Dental caries in African-American adults. American Association for Dental Research, Orlando, 2006.
- 2006.03 Ismail AI, Tellez M, Sohn W. Severity of dental caries among African-American children in Detroit. American Association for Dental Research, Orlando, 2006.

- 2006.03 Ismail AI, Hasson H, Tellez M. Correlation between clinical (ICDAS) and quantitative light-induced fluorescence (QLF). American Association for Dental Research, Orlando, 2006.
- 2006.03 Sohn W, Tellez M, Ismail AI. Epidemiology of tooth loss among a low-income population. American Association for Dental Research, Orlando, 2006.
- 2006.03 Reisine ST, Tellez M, Sohn W, Ismail AI. Relationship between disadvantage African American caregiver's and child's caries prevalence. American Association for Dental Research, Orlando, 2006.
- 2005.03 Ismail A.I., Sohn W., Tellez M. Reliability of the International Caries Detection and Assessment System. International Association of Dental Research, Baltimore MD March 2005.
- 2005.03 Sohn W., Tellez M., Ismail A.I. Caregivers' perception of children's oral health and dental care utilization. International Association of Dental Research, Baltimore MD March 2005.

**Continuing Education Course Presentations and Seminars (selected activities)**

- Presentations at two dental schools and a national conference in Mexico City, Mexico, February 2008
- Lutheran Medical Center's Annual Conference
- S. Korean Academy of Dental Research and Yonsei University, Seoul, S. Korea
- American Public Health Association
- American Dental Association Annual Sessions
- Workshop organizer and speaker: International Dental Caries Detection and Assessment System
- National Oral Health Conference
- Organizer and speaker: Detroit Health Services Research Initiative,
- Council on Dental Benefits Plans, American Dental Association,
- Organizer and speaker: American Dental Association Workshop on Evidence-based Dentistry
- Workshop organized by the American Association of Dental Editors, Orlando
- Guest Editor: Special Issue on Evidence-based Dentistry, Texas Dental Association Journal
- European Organization for Caries Research Symposium on Dental Caries in the 21st Century, Konstanz, Germany
- ADA /ADEA/AADR Symposium on Dental Education and Evidence-based Dentistry
- American Association of Oral and Maxillofacial Radiologist, Annual Meeting
- Oral Cancer Symposium organized by NIDCR at the IADR annual session
- Oral Health Literacy Workshop, NIH.
- Voices of Detroit Initiative Annual Conferences
- American Academy of Oral and Maxillofacial Radiologists
- NIDCR Herschel S. Horowitz Memorial Symposium
- Invited by NIDCR to present at several symposia and workshops

- Review committee of the EXPORT Centers, National Center for Minority Health and Health Disparities, NIH
- American Association of Dental Public Health
- Evidence-based Dentistry Workshop (Forsyth Institute)
- International Workshop on Caries Clinical Trials, Scotland
- Evidence-based Dentistry Symposium, San Diego
- Scholarship and research in schools of dentistry, San Diego
- Continuing Medical Education Course (Wayne State University) designed for primary care providers in Federally Qualified Health Centers in Michigan (20 presentations) ([oralhealth.dent.umich.edu](http://oralhealth.dent.umich.edu))
- Institute for Social Research, University of Michigan
- Department of Psychology, University of Michigan
- New Jersey School of Medicine and Dentistry, Graduate Seminar Series
- Ohio Oral Health Summit
- Workshop organizer and presenter: American Dental Education Association Signature Workshop "Scientific Basis for Clinical Dental Education", Chicago, 2001
- Workshop organizer and lecturer: Authors' training workshop: NIH Consensus Development Conference on Dental Caries Diagnosis and Management Throughout Life, 2000
- Workshop organizer and presenter: AADS Signature Workshop: Evidence-based Dental Education and Research
- Keynote speaker: University of Maryland School of Dentistry, Ocean City, MD
- Facilitator: NIDCR Oral Cancer Diagnosis and Prevention Workshop, Bethesda
- NIDCR's Workshop on Development of New Technologies for Saliva and Other Oral Fluid-Based Diagnostics
- Methodological Challenges in the Production and Synthesis of Evidence, Agency for Health Care Policy and Research (AHCPR)
- Ad-hoc consultant: NIDCR's Early Childhood Caries Workshop. Wrote a commissioned review and co-authored the workshop report
- Workshop on Diagnosis of Early Childhood Caries, NIDCR
- Fluoride Workshop, National Institute of Dental and Craniofacial Research
- Scientific Frontiers in Dentistry, National Institute of Dental and Craniofacial Research
- Health Services Research as a Tool for Dental Education in the 21<sup>st</sup> Century, AADS
- Member and co-organizer: Planning Committee, NIH Consensus Conference on Dental Caries Diagnosis and Management
- Agency for Health Care Policy and Research (AHCPR), a model for teaching evidence-based health care
- Wisconsin Dental Association. Current and Future Trends in Dentistry and Oral Health in the USA
- Washtenaw County Dental Assistants Society. Prevention of Dental Caries, Ann Arbor, MI,

- Health Services Research Administration, Region III. Risk-based prevention of dental caries. Virginia Beach, VA
- Agency for Health Care Policy and Research's conference entitled -Translating Evidence into Research. Dilemmas and Realities of Evidence Based Practice
- ASTDD Surveillance Criteria Development Workshop. Columbus, Ohio
- National Oral Health Conference, Seattle, WA
- Washtenaw County Dental Hygiene Society, MI
- The future of dental public health, University of Toronto, Ontario. Presentation title: A critique of the restorative era in dentistry
- Regional dental directors meeting, Medical Services Branch, Halifax, Canada. Presentation title: The Nova Scotia Children's Dental Health Program
- Dartmouth General Hospital, Dartmouth, Nova Scotia. Presentation title: Dental Health and the Physician

## **TEACHING ACTIVITIES**

### **Undergraduate Course Participation (University of Michigan)**

- 1999 Clinical Foundation Sciences I, #519 (instructor)  
 1997-2000 Clinical Foundation Sciences II, D621, D631 (instructor)  
 1997-2005 Cariology section, #530, D1.

### **Graduate Course Participation (University of Michigan)**

- 2004-present Foundation of Dental Public Health (4 credit hours graduate course at the School of Public Health) (Course director and sole teacher)  
 2007-present Administration in Dental Public Health ((4 credit hours graduate course at the School of Public Health) (Course director and sole teacher)  
 2007-present Planning of dental public health programs (2 credit hours graduate course at the School of Public Health) (Course director and sole teacher)  
 1997-present Scientific communication, #610 (3 lectures)

Total teaching load in 2006-07 = 10 (140 hours) credit hours (School of Public Health) + 3 sessions in the dental school

- 1997-2000 Principal evaluation in restorative dentistry (2-hour seminar), #747 (Course director) (course is currently inactive)  
 1997-2000 Principles of operative dentistry and cariology (2-hour seminar), #746

### **Teaching activities at other universities**

#### **Dalhousie University (1988-1997)**

##### **A. Courses taught (course title, number, calendar years taught)**

- 1988-92 Preventive Dentistry, D2405R (DDS, sophomore, course director))

- 1988-93 Community Dentistry, 3403B (DDS, Junior, course director)  
 1988-93 Epidemiology, research design and biostatistics (Graduate Program in Periodontics)  
 1992-97 Cariology I, D1411R (DDS, freshman, course director)  
 1994-97 Patient Care III, 3211R, 1994-1997  
 1991-97 Lectured in Cariology III, Patient Care I and II (DDS, sophomore DDS, instructor)  
 1996-97 Tutor, Problem-based learning, Patient Care IV (DDS, senior, instructor)

### **MS These Committee**

- 2005 Chair of the thesis committee (Jennifer McLellan ), Pediatric Dentistry, School of Dentistry, University of Michigan. The effectiveness of a school-based dental screening and prevention program in stimulating dental treatment among a group of children with significant unmet dental needs.  
 2005 Chair of the thesis committee (Neerrajah Ramaswami), Pediatric Dentistry. Dental caries and obesity of African American Preschool Children and their Mothers in Inner City Detroit.

### **PhD Dissertation Committees**

- 2005 Member of PhD dissertation committee. Mothers' self-efficacy and oral health in low-income African American children in Detroit (Tracy Finlayson), Health Management and Policy, School of Public Health, University of Michigan.  
 2004 Member of the PhD dissertation Committee. Multilevel analysis of neighborhood characteristics and dental caries (Marisol Tellez): Epidemiology, School of Public Health, University of Michigan.

### **Mentorship for Undergraduate Students**

- 1995 Recruited the first African-Canadian high school student for the Faculty of Dentistry, Dalhousie University (Jean Provo, DDS).  
 2004 Recruited the first American trained female clinical-scientist with a PhD for the Department of Cariology, Restorative Sciences, School of Dentistry, University of Michigan (Justine Kolker, DDS, MS, PhD).  
 2006 Recruited the first student for the combined program in dental public health and advanced education in general dentistry (MPH/AEGD) (Dr. Lynna Thomas)  
 1988- Supervised over 20 students during summer research programs and other mentorships

**Awards and Special Recognitions for Mentored Students**

Student name	Pre or Post	Training Period	Institution			Title of Project	Current Position or Source of Support
			Degree	Year	Institution		
D. Bowser	Pre	1993	DDS	1994	Dalhousie University	Dental Aesthetic Index DNA Probes for A. actinomycetemcomitans, B. Gingivitis, and B. intermedius	Private Practice
E. Carlet	Pre	1988	DDS	1991	McGill University		Private Practice
C. Champagneux	Pre	1996	DDS	1997	Dalhousie University	Geriatric Dentistry	Private Practice
L. Delorey	Post	1992	Cert.	1992	Dalhousie University	Periodontal status and TMJ dysfunction	Periodontist (Saudi Arabia)
Will King	Post	1987	DDS	1991	McGill University	Sealants	Epidemiologist, Ontario Cancer Center
M. McNally	Pre	1992	DDS	1992	Dalhousie University	Water fluoridation	Private Practice
Paul Miller	Pre	1994	DDS	1997	Dalhousie University	Caries diagnosis	Private Practice
C. Perrin	Pre	1990	DDS	1993	Dalhousie University	Geriatric Dentistry	Private Practice
K. Sawler	Pre	1994	MS	1996	Dalhousie University	Saliva and drug history	Private Practice
M. Olivier	Post	1995	DDS	1996	U of Montreal	Caries diagnosis	Epidemiologist, Montreal Dept. of Health
D. Smith	Pre	1995	DrPH	1996	Dalhousie University	Orthodontic treatment	Private Practice
W. Sohin	Post	1997	DrPH	2000	U of Michigan	Several projects	Assistant Res. Scientist, U of Michigan
S. Szpunar	Post	1987	DrPH	1988	U of Michigan	Hispanic oral health	Epidemiologist, Detroit
Angkana Thearmontree	Post	1997	DDS	1999	U of Michigan	Dental caries epidemiology	Faculty, Thailand
K. Underhill	Pre	1996	DDS	1996	U of Michigan	Water fluoridation	Private Practice
D. Woolton	Pre	1993	DDS	1993	Dalhousie University	Caries diagnosis	Private Practice

Linda Painter Niemeyer	Post	2000	MS	2001	U of Michigan	Caries diagnosis	Navy
Jean Provo	Pre	1995-1998	DDS	2001	Dalhousie University	First Black Nova Scotian student	Private practice, Canada
Justine Kolker	Post-PhD	2003			University of Michigan	Research fellow	

**Students' publications in peer reviewed journals**

1. Ismail AI, Sohn W. A systematic review of clinical diagnostic criteria of early childhood caries. *J Pub Health Dent* 59:171-91, 1999. (doctoral student, UM)
2. Ismail AI, Bandekar RR. Fluoride supplements and fluorosis: a meta-analysis. *Community Dent Oral Epidemiol* 27:48-56, 1999. (PhD Statistician, UM)
3. Dingle J, Underhill K, Ismail AI, MacInnis WA. Fluoride analysis of Nova Scotia Domestic Water. *Canad J Community Dent* 12:31-37, 1997. (Dentist, Canada)
4. Ismail AI, Brodeur J-M, Gagnon P, Payette M, Picard D, Hamalian T, Olivier M. Restorative treatments received by children covered by universal publicly-financed dental insurance plan. *J Public Health Dent* 57:11-18, 1997. (Dentist, Canada; Public health researcher, Canada)
5. Ismail AI, Shoveller J, Langille D, MacInnis WA, McNally M. Should the drinking water of Truro, Nova Scotia, be fluoridated? Water fluoridation in the 1990s. *Community Dent Oral Epidemiol* 21:118-125, 1993. (Dentist, Canada)
6. Lobb WK, Ismail AI, Andrews CL, Spracklin TE. Evaluation of orthodontic treatment using the Dental Aesthetic Index. *Am J Ortho Dentofac Orthop* 106:70-75, 1994. (Dentist, Canada)
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## **SCHOLARLY ACTIVITIES**

### **Published Books**

None

### **Published Book Chapters and Conference/Symposium Proceedings:**

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- 4- MacLellan J, Briskie D, Ismail A, Leslie L, Tootla R. The effectiveness of a school based dental screening and prevention program in stimulating dental treatment among a group of children with significant unmet dental needs. December 2005 (MS Thesis).
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#### **Published Patents**

None

#### **Published Journal Articles and Editorials (Referred)**

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**Published Articles in Revision, Initial Submission, or Preparation:**

1. Ismail AI, Hasson H. Fluoride supplements: a systematic review. *J Am Dent Assoc* 2007. (This review was commissioned for a special panel that will be convened this summer to revise the ADA Fluoride Supplementation Schedule).
2. Ismail AI, Lim S, Sohn W, Willem J. determinants of early childhood caries in low-income African-American children,. *Pediatric Dentistry*, 2007.
3. Marshall I, Kolker J, Lim S, Sandretto AM, Sohn W, Ismail AI. Food group intakes and compliance with MyPyramid among low income, inner city African-American children. *J Am Diet Assoc*, 2007.
4. LI Y, Ismail A, ge T, Tellez M, Chen Z, Sohn W. Similarity of bacterial profiles in saliva between mother-child pairs. *J Clin Microbiol*, 2007.
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6. Reisine S, Ajrouch K, Sohn W, Castagnini R, Ismail AI. Predictors of cavitated carious lesions in African-American children. *J Dent Res*, 2007.

**Articles in press:**

1. Ismail AI, Sohn W, Tellez M, Willem J, Betz J, Lepkowski. Risk Indicators for dental caries using the International Caries Detection and Assessment System (ICDAS). *Community Dent Oral Epidemiol*, 2007.

**Published Abstracts, Microfilm, and Proceedings:**

Over 200 abstracts have been published.

**Published Audio-Tapes and Video-Tapes:**

None

**Published Self-Instructional Units and Course Syllabi:**

None

**Published CDs:**

Written, directed, and produced three DVD projects

1. Detroit Oral Cancer Prevention Project, 2007 (detroitoralcancer.org)
2. You can keep your children free from tooth decay, 2004
3. Voices of Detroit Initiative Oral Health Program, 2002  
(<http://oralhealth.dent.umich.edu/VODI/html/00/home.html>)

**Online Courses – Electronic Syllabus Courses:**

None

**Research Reports:***Press releases:*

1. International Association for Dental Research.  
Ismail, AI, Al-Joburi, W, and Carlet, E. Pilot testing of P<sup>32</sup> DNA probes for A. actinomycetemcomitans, B. gingivalis, and B. intermedius. J Dent Res 67 (Special Issue):126, 1988.  
  
Ismail, AI, Burt, BA, and Eklund, SA. Cariogenicity of sweetened soft drinks. Presented during the IADR 1984 meeting, Dallas, Texas.
2. American Dental Association  
  
Ismail, AI, Burt, BA, and Eklund, SA. Epidemiologic patterns of smoking and periodontal disease in the United States. J Am Dent Assoc 106:617-621, May 1983.  
  
Study suggests university access to dental care not enough in itself to reduce disparities in children's tooth decay rates. Ascribe Newswire, March 13, 2001.

3. Interviewed by radio, TV, and newspaper journalists.
4. Newspaper columns
  1. Ismail, AI. The New Dental Care Program: Leadership versus Dogma. Editorial, Chronicle Herald, Halifax, Nova Scotia, October 13, 1996.
  2. Ismail, AI. N.S. too timid in promoting health reform. Editorial. Chronicle Herald, Halifax, Nova Scotia, August 7, 1996.
  3. Geriatric Oral Health. The Senior's Advocate, Halifax, 1994.
  4. Chlorzoin. To Your Benefit. A publication of the Nova Scotia Government Employee Union. Prepared on behalf of the Nova Scotia Dental Association, February 1996.
  5. Dental hygiene program viable and effective. Chronicle Herald, Halifax, Nova Scotia, April 10, 1997.
  6. Michigan radio and NPR, 2001. Detroit Dental Health Disparities Center.
  7. ADA News, 2003. Evidence-based Dentistry.
  8. Detroit Free Press, 2004, Dental Dilemma in Detroit.
  9. ADA News (2004-2007): several articles
  10. Ann Arbor Observer, 2007
  11. Interviews with TV (Fox Channel 4), radio, and newspapers in Detroit, 2005-2007
  12. Dental Advisor: Dental caries
  13. Quoted in dental publications on the issues of evidence-based dentistry and access to dental care
  14. University Record, U-M study: Insights into tooth decay in kids in low-income households, June 2007
  15. Interviewed by ADA News (2000-2007)
  16. Interviewed by Detroit radio and print media (2001-2007)
  17. Appeared in an advertisement for Wayne County Community College District
  18. Trained in communication with the media

**GRANTS and CONTRACTS****NIH/NIDCR and Other Federal Grants and Contracts:****Current**

5. Detroit Oral Cancer Prevention Network	
Grant Type and Number	NIDCR/NIH R01 DE16194-01
Grant Amount	\$1.6 Million
Grant Period	9/1/04-8/31/9
Award Status	FUNDED
Principal Investigator	A. I. Ismail [15%]
Role	PI
6. Detroit Center for Research on Oral Health Disparities.	
Grant Type and Number	NIDCR/NIH U54 DE 14261-01
Grant Amount	\$6.9 Million
Grant Period	:8/1/01-7/30/08
Award Status	FUNDED
Principal Investigator	A. I. Ismail [50%]
Role	PI
7. Web-based resource on evidence-based dentistry	
Grant Type and Number	NLM/NIH G08 LM008956-01A2
Grant Amount	\$6.9 Million
Grant Period	:8/1/01-7/30/08
Award Status	FUNDED
Principal Investigator	A. I. Ismail [50%]
Role	PI

**Completed**

8. International Caries Detection and Assessment System	
Grant Type and Number	NIDCR/NIH R13

	<b>DE16786-01</b>
Grant Amount	<b>\$34,988</b>
Grant Period	
Award Status	<b>COMPLETED</b>
Principal Investigator	<b>A. I. Ismail []</b>
Role	<b>PI</b>
<b>9. Minority Supplement Training Award</b>	
Grant Type and Number	<b>NIDCR/NIH U54 DE014261-03S1</b>
Grant Amount	<b>\$38,170</b>
Grant Period	
Award Status	<b>COMPLETED</b>
Principal Investigator	<b>A. I. Ismail []</b>
Role	<b>PI</b>
<b>10. Utility and choice of dentin regeneration, tooth extraction and root canal therapy</b>	
Grant Type and Number	<b>NIDCR/NIH DE 13202-02</b>
Grant Amount	<b>\$935,138</b>
Grant Period	<b>5/1/99 - 7/31/04</b>
Award Status	<b>FUNDED</b>
Principal Investigator	<b>A. I. Ismail [25%]</b>
Role	<b>PI</b>
<b>11. Michigan Oral Cancer Prevention Network</b>	
Grant Type and Number	<b>NIDCR/NIH DE14410-01</b>
Grant Amount	<b>\$300,000</b>
Grant Period	<b>8/1/01-7/30/04</b>
Award Status	<b>COMPLETED</b>
Principal Investigator	<b>A. I. Ismail [20%]</b>
Role	<b>PI</b>
<b>12. Oral Health Education of Primary Care Providers, Voices of Detroit Initiative (VODI)</b>	
Grant Type and Number	<b>VODI (HRSA and the American Legacy Foundation)</b>

<b>Grant Amount</b>	<b>\$193,000</b>
<b>Grant Period</b>	<b>1/10/00-2/28/02</b>
<b>Award Status</b>	<b>COMPLETED</b>
<b>Principal Investigator</b>	<b>A. I. Ismail [15%]</b>
<b>Role</b>	<b>PI</b>
<b>13. NIH Consensus Development Conference, Dental Caries Diagnosis and Management Throughout Life</b>	
<b>Grant Type and Number</b>	<b>NIDCR/NIH DE-039842</b>
<b>Grant Amount</b>	<b>\$12,000</b>
<b>Grant Period</b>	
<b>Award Status</b>	<b>COMPLETED</b>
<b>Principal Investigator</b>	
<b>Role</b>	<b>Consultant [5%]</b>
<b>14. Fluoride Information Program</b>	
<b>Grant Type and Number</b>	<b>CDC</b>
<b>Grant Amount</b>	<b>\$12,000</b>
<b>Grant Period</b>	<b>10/1/1999-12/31/2000</b>
<b>Award Status</b>	<b>COMPLETED</b>
<b>Principal Investigator</b>	<b>A. I. Ismail [25%]</b>
<b>Role</b>	<b>PI</b>
<b>15. Diagnostic systems of early childhood caries</b>	
<b>Grant Type and Number</b>	<b>NIDCR</b>
<b>Grant Amount</b>	<b>\$2,000</b>
<b>Grant Period</b>	<b>1998</b>
<b>Award Status</b>	<b>COMPLETED</b>
<b>Principal Investigator</b>	<b>A. I. Ismail</b>
<b>Role</b>	<b>PI</b>
<b>16. Agency for Health Care Policy and Research, Dental Scholar-in-residence</b>	
<b>Grant Type and Number</b>	
<b>Grant Amount</b>	<b>\$39,000</b>
<b>Grant Period</b>	<b>1998</b>
<b>Award Status</b>	<b>COMPLETED</b>
<b>Principal Investigator</b>	
<b>Role</b>	<b>Scholar-in-residence</b>

<b>17. Egyptian Child Oral Health Project. Responsible for evaluation of the oral health program implemented in Egypt in 1995</b>	
<b>Grant Type and Number</b>	<b>Funded by the Canadian International Development Agency</b>
<b>Grant Amount</b>	<b>\$100,000</b>
<b>Grant Period</b>	<b>1994-1996</b>
<b>Award Status</b>	<b>COMPLETED</b>
<b>Principal Investigator</b>	
<b>Role</b>	<b>Consultant</b>
<b>18. Nova Scotia Oral Health Survey of Children and Adolescents</b>	
<b>Grant Type and Number</b>	<b>NHRDP Health and Welfare, Canada (CAD) 6603-1446-503 and 6603-1508-503</b>
<b>Grant Amount</b>	<b>\$287,000</b>
<b>Grant Period</b>	<b>1994-1997</b>
<b>Award Status</b>	<b>COMPLETED</b>
<b>Principal Investigator</b>	<b>A. I. Ismail</b>
<b>Role</b>	<b>PI</b>
<b>19. Dental and Business Education and Thinking Skills: A Pilot Study</b>	
<b>Grant Type and Number</b>	<b>Alumni Oral Health Fund, Faculty of Dentistry, Dalhousie University</b>
<b>Grant Amount</b>	<b>\$7,395</b>
<b>Grant Period</b>	<b>1996-97</b>
<b>Award Status</b>	<b>COMPLETED</b>
<b>Principal Investigator</b>	<b>A. I. Ismail</b>
<b>Role</b>	<b>PI</b>
<b>20. Health Promotion Centre for Productive Living</b>	
<b>Grant Type and Number</b>	<b>Health and Welfare Canada</b>

	<b>(CAD) 813-92-0005 (SSHRC)</b>
<b>Grant Amount</b>	<b>\$500,000</b>
<b>Grant Period</b>	<b>1993-1998</b>
<b>Award Status</b>	<b>COMPLETED</b>
<b>Principal Investigator</b>	
<b>Role</b>	<b>Consultant</b>
<b>21. Sealing early carious pits and fissures of first permanent molars in Alexandria, Cairo, and Giza</b>	
<b>Grant Type and Number</b>	<b>Year of Oral Health (YORH) Fund, World Health Organization (US)</b>
<b>Grant Amount</b>	<b>\$5,000</b>
<b>Grant Period</b>	<b>1994</b>
<b>Award Status</b>	<b>COMPLETED</b>
<b>Principal Investigator</b>	<b>A. I. Ismail</b>
<b>Role</b>	<b>PI</b>
<b>22. Evaluation of dental caries prevalence of children participating in fluoride tablet and fluoride mouthrinse programs in Northern Newfoundland and Labrador</b>	
<b>Grant Type and Number</b>	<b>NHRDP (CAD) 6603-1385-62</b>
<b>Grant Amount</b>	<b>\$38,000</b>
<b>Grant Period</b>	<b>1992-1993</b>
<b>Award Status</b>	<b>COMPLETED</b>
<b>Principal Investigator</b>	<b>A. I. Ismail</b>
<b>Role</b>	<b>PI</b>
<b>23. National Dental Epidemiology Project formulation grant</b>	
<b>Grant Type and Number</b>	<b>NHRDP, Health and Welfare Canada (CAD) 6613-1472</b>
<b>Grant Amount</b>	<b>\$34,500</b>
<b>Grant Period</b>	<b>1991-1992</b>
<b>Award Status</b>	<b>COMPLETED</b>

<b>Principal Investigator</b>	<b>A. I. Ismail</b>
<b>Role</b>	<b>PI</b>
<b>24. Prevalence of dental fluorosis and dental caries in teenagers, 11 through 18 years of age, in fluoridated and non-fluoridated cities in Quebec</b>	
<b>Grant Type and Number</b>	<b>Department of Health and Welfare, Canada 6605-1318-53</b>
<b>Grant Amount</b>	<b>\$34,500</b>
<b>Grant Period</b>	<b>October 1, 1987 - March 31, 1989</b>
<b>Award Status</b>	<b>COMPLETED</b>
<b>Principal Investigator</b>	<b>A. I. Ismail</b>
<b>Role</b>	<b>PI</b>
<b>25. Evaluation of the restorative treatment services in the Quebec Children's Dental Care Program</b>	
<b>Grant Type and Number</b>	<b>National Health Research and Development Program (NHRDP) Special Competition in Community Dentistry (CAD) 6603-1340-CD</b>
<b>Grant Amount</b>	<b>\$260,000</b>
<b>Grant Period</b>	<b>April 1, 1989 and March 31, 1994</b>
<b>Award Status</b>	<b>COMPLETED</b>
<b>Principal Investigator</b>	<b>A. I. Ismail</b>
<b>Role</b>	<b>PI</b>
<b>26. Natural history of loss of periodontal attachment in American Adults</b>	
<b>Grant Type and Number</b>	<b>NIH/NIDR (US) USPHS-DE 08051</b>
<b>Grant Amount</b>	<b>\$78,777</b>
<b>Grant Period</b>	<b>August 1, 1987 - June 30, 1988</b>
<b>Award Status</b>	<b>COMPLETED</b>

Principal Investigator	A. I. Ismail
Role	PI
27. Evaluation of the pit and fissure sealant program of the Saskatchewan Dental Health Plan	
Grant Type and Number	Department of Health and Welfare, Canada (CAD) 6605-2606-44
Grant Amount	\$12,400
Grant Period	July 1986 - June 1988
Award Status	COMPLETED
Principal Investigator	
Role	Co-I
28. Oral Health Status of Hispanic Americans	
Grant Type and Number	Hispanic Health Research consortium (US)
Grant Amount	\$40,958
Grant Period	January 1, 1987 - December 31, 1987
Award Status	COMPLETED
Principal Investigator	A. I. Ismail
Role	PI
29. Analysis of the dental care supplement of the 1983 Health Interview Survey	
Grant Type and Number	The analysis is supported by the Centers for Disease Control and is in collaboration with the National Center for Health Statistics (US)
Grant Amount	\$1,850
Grant Period	July, 1985 - December 31, 1985
Award Status	COMPLETED
Principal Investigator	A. I. Ismail
Role	PI
30. Oral health of Hispanic Americans. Duties included	

designing all aspects of the analysis, data management, and writing of research papers. I also consulted with the National Center for Health Statistics concerning the project	
<b>Grant Type and Number</b>	<b>(US) USPHS-DE 32443</b>
<b>Grant Amount</b>	<b>\$14,999</b>
<b>Grant Period</b>	<b>January 1, 1985 - December 31, 1985</b>
<b>Award Status</b>	<b>COMPLETED</b>
<b>Principal Investigator</b>	
<b>Role</b>	<b>Co-I</b>
31. Effects of severe dental fluorosis on the oral health of adults. Duties included selection of dental indexes for the study, dental examination, data management, statistical analysis and writing sections of the final report	
<b>Grant Type and Number</b>	<b>(US) USPHS-DE 32443 (contract)</b>
<b>Grant Amount</b>	<b>\$49,000</b>
<b>Grant Period</b>	<b>July, 1984 - December 31, 1985</b>
<b>Award Status</b>	<b>COMPLETED</b>
<b>Principal Investigator</b>	
<b>Role</b>	<b>Co-I</b>