

## CURRICULUM VITAE

September 2, 2020

Carlos González-Cabezas

### Education and Advanced Training

- 2009 M.S.D., Indiana University
- 2004 D.D.S., Indiana University
- 2002 Specialty Clinical Certificate, Operative Dentistry, Indiana University
- 1997 Ph.D., Indiana University
- 1991 D.D.S., Central University of Venezuela

### Academic Appointments

- 1990 Teaching Assistant, Central University of Venezuela, Dental School, Caracas, Venezuela. [Course: Functional disorders of the masticatory system.]
- 1990-1992 Research Collaborator, Central University of Venezuela, Dental School, Caracas, Venezuela. [Research: Epidemiological studies on dental caries and malnutrition.]
- 1991 Research Collaborator, Central University of Venezuela, Dental School, Caracas, Venezuela. [Research: Epidemiological studies on dental caries and periodontal disease in the Venezuelan rain forest.]
- 1992-1994 Research Assistant, Indiana University School of Dentistry [Research: cariology; microbiology; confocal microscopy; cell culture]
- 1996-1998 Assistant Scientist, Oral Health Research Institute, Indiana University School of Dentistry.
- 1998-2004 Assistant Professor. Preventive & Community Dentistry Department, Indiana University School of Dentistry.
- 2004-2005 Associate Professor. Preventive & Community Dentistry Department, Indiana University School of Dentistry.
- 2005-2009 Associate Professor, with Tenure. Preventive & Community Dentistry Department, Indiana University School of Dentistry.
- 2009-2019 Associate Professor, with Tenure. Cariology, Restorative Sciences & Endodontics Department, University of Michigan School of Dentistry.
- 2019-present Professor, with Tenure. Cariology, Restorative Sciences & Endodontics Department, University of Michigan School of Dentistry.

### Academic Administrative Appointments

- 1995-2009 Director, Digital Electron Microscopy Facility, Indiana University School of Dentistry.
- 1999-2009 School of Dentistry Graduate Faculty.
- 1999-2005 Associate Member, Indiana University Graduate Faculty.
- 2000-2009 Director, Preventive Dentistry M.S.D. and M.S. Programs. Indiana University School of Dentistry.
- 2005-2009 Indiana University Graduate Faculty and Endorsement to Direct Doctoral Dissertations.

- 2005-2009 Director, Laboratory Contract Testing Program of OHRI, Indiana University School of Dentistry.
- 2005-2009 Director, Laboratory Core Unit of OHRI, Indiana University School of Dentistry.
- 2015-2020 Director, Global Initiatives in Oral and Craniofacial Health, University of Michigan School of Dentistry.
- 2020-present Associate Dean for Academic Affairs, University of Michigan School of Dentistry

### **Non-academic Appointments**

- 1991-1992 Private practice (general dentistry), Puerto la cruz, Venezuela.
- 2010-present Private practice at the University of Michigan School of Dentistry

### **Certificates and Licenses**

- Venezuelan dental license - Active
- Indiana dental license - Active
- Michigan dental license - Active

### **Honors and Professional Awards**

- 1994-1995 Research Fellowship, Indiana University
- 1995-1996 Research Fellowship, Indiana University
- 1996 Grant-in-aid of research, Indiana University
- 1998 Grant-in-aid of research, Indiana University
- 2000 Teaching Excellence Recognition Award, Indiana University
- 2002 Honorary member of the Omicron Kappa Upsilon Fraternity, Theta Theta Chapter
- 2014 Nominated for 2014 Provost's Teaching Innovation Prize for project on exam questions developed by students leading to higher cognitive level of learning
- 2015 Named Richard Christiansen Collegiate Professor of Oral and Craniofacial Global Initiatives
- 2017 AADR Fellow

### **Memberships and Offices in Professional and Research Societies**

- 1993-present Member of International Association for Dental Research (IADR)
- 1993-present Member of Cariology Group of IADR
- 1993-present Member of Venezuelan Section of IADR
- 1996-2009 Member of Indiana Section of AADR
- 1998-present Member of European Organization for Caries Research (ORCA)
- 2000 Founding Member of Indiana Chapter of the Hispanic Dental Association
- 2005-present Member of American Dental Education Association (ADEA)
- 2011-2015 Member of COHRI group
- 2013-present Member of Michigan State Community Water Fluoridation Advisory Committee
- 2013-2016 Member of the IADR Membership and Recruitment Committee
- 2013-present Member of the International Federation of Dental Educators and Associations (IFDEA)
- 2014-present Member of American Association for Dental Research (AADR)
- 2017-present Member of American Dental Association (ADA)
- 2019-present Member of the American Academy of Cariology (AAC)

## Teaching activities

### Courses Taught

#### *Indiana University School of Dentistry: Pre-doctoral [~250h/year]*

1998	Critical Thinking I (Instructor)
1998-1999	Molecular Cell Biology (Instructor)
1998-1999	System Approach for Biological Sciences II (Instructor)
1999-2000	Hygiene-Oral Biology (Instructor)
2001-2008	Clinical Sciences III (Instructor)
2001-2009	Clinical Sciences IV (Instructor)
2001-2009	Orofacial Biology II (Instructor)
2002-2007	Spanish (elective) (Instructor)
2002-2008	Clinical Procedures III (Instructor)
2002-2009	Clinical Procedures IV (Instructor)
2004-2009	Dental Sciences III, Part I (Instructor)
2005	Seal Indiana Rotation (Instructor)
2008	Fixed Prosthodontics (Instructor)

#### *Indiana University School of Dentistry: Graduate*

1998-1999	Oral Biology Seminar (Instructor)
1998-2008	Graduate Oral Biology (Instructor)
1998-2000	Advanced Preventive Dentistry I (Instructor)
2000	Seminar: Preventive Dentistry (Instructor)
2001-2004	Current Topics in Oral Biology (Instructor)
2001-2008	Advanced Preventive Dentistry I (Course Director)
2001-2009	Advanced Preventive Dentistry II (Course Director)
2001-2008	Advanced Preventive Dentistry III (Course Director)
2001-2008	Seminar: Preventive Dentistry I (Course Director)
2001-2007	Seminar: Preventive Dentistry II (Course Director)
2007-2008	Current Topics in Oral Biology (Instructor)
2007-2009	Advanced Pediatric Dentistry (Instructor)
2009	Seminar: Preventive Dentistry II (Course Director)

#### *University of Michigan School of Dentistry*

2010	D520, Clinical Foundations I, (Row instructor; 6h/week/Winter semester)
2011-2013	D780, MCOHR Clinical Rotation, (Seminar, 4h/semester)
2012-2016	D746, Cariology Lectures (Lecturer, 6h/Fall semester)
2010-present	D532, Cariology I, (Course Co-Director, Lecturer, lab/clinical instructor; 2-5h/week, Fall semester)
2010-present	D720, Comprehensive Care Clinic, (Clinical Instructor, 3-6h/week)
2010-present	D820, Comprehensive Care Clinic, (Clinical Instructor, 3-6h/week)
2011-present	D542, Cariology II, (Course Co-Director, Lecturer, lab/clinical instructor; 2-5h/week, Winter semester)
2011-present	DH321, Dental Specialties, (Lecturer, 1-2h/Winter semester)
2012	D620, Comprehensive Care Clinic, (Clinical Instructor, 3-6h/week)
2016-present	D620, Comprehensive Care Clinic, (Clinical Instructor, 3-6h/week)

- 2017-present Restora 590, Advanced Clinical Cariology (Course Director, Lecturer, 2h/week for 9 weeks, Spring semester)
- 2017-present Restora 690, Advanced Cariology Seminar (Course Director, Lecturer, 1h/week for 15 weeks, Fall semester)
- 2019-present Pathways Elective: Global Initiatives in Oral & Craniofacial Health (Course Director, five 2-hour sessions, Winter semester)

Student research advisement

- 2001-2002 Lorena Sá, MSD, Chair of Research Committee (at IU)
- 2002-2004 Milagros Toro, PhD, Chair of Research Committee (at IU)
- 2002-2004 Hala Elkalaa, MSD, Chair of Research Committee (at IU)
- 2002-2007 Potjaman Totiam, PhD, Chair of Research Committee (at IU)
- 2003-2005 Eyad Moazin, MSD, Chair of Research Committee (at IU)
- 2003-2005 Michael Metz, MSD, Member of Research Committee (at IU)
- 2004-2005 Jonathan Stahl, MSD, Chair of Research Committee (at IU)
- 2005-2006 Khlood Arab, MSD, Chair of Research Committee (at IU)
- 2006-2008 Neena Kamath, MSD, Member of Research Committee (at IU)
- 2006-2007 Zhiyun Chen, PhD, Member of Research Committee (at IU)
- 2007-2008 Panida Bulpakdi, MSD, Member of Research Committee (at IU)
- 2007-2008 Josh Chapman, MSD, Member of Research Committee (at IU)
- 2007-2010 Aaron Stump, DDS Research Project, Co-Mentor (at IU)
- 2007-2009 Scott Behnan, MS, Member of Research Committee
- 2008 Richard Adcook, MSD, Member of Research Committee (at IU)
- 2008 Sanjay Karunakaran, MSD, Member of Research Committee (at IU)
- 2008-2010 Wallace McCarlie, PhD, Member of Research Committee (at IU)
- 2008-2009 Hani Nassar, MSD, Chair of Research Committee (at IU)
- 2008-2009 Senan Ahmed, MSD, Chair of Research Committee (at IU)
- 2009 Hanin Yeslam, MSD, Member of Research Committee (at IU)
- 2009 Maram Shaabin, MSD, Member of Research Committee (at IU)
- 2009 Phitakphong Rajinrangson, MSD, Member of Research Committee (at IU)
- 2009-2012 Hani Nassar, PhD Candidate, Co-Chair of Research Committee (at IU)
- 2009-2011 Michael Hosking, DDS Research Project, Mentor
- 2009-2010 Michelle Uekihara, DH Research Project, Mentor
- 2011 Rachell Krell, Undergraduate Research Project, Mentor
- 2011-2013 Jamie Ballantine, DDS Research Project, Co-Mentor
- 2011-2012 Amani Sarao, Undergraduate Research Project, Mentor
- 2011-2012 Matthew Dery, Undergraduate Research Project, Mentor
- 2012-2013 Byeongjik Kim, Undergraduate Research Project, Mentor
- 2012-2013 Simon Park, Undergraduate Research Project, Mentor
- 2012-2013 Danika Downey, MS, Chair of Research Committee
- 2012-2015 Shalini Kamodia, DDS Research Pathway, Mentor
- 2012-2015 Seth Dawson, DDS Research Pathway, Co-Mentor
- 2012-2015 6-8 DDS students per year, Kenya Summer Research Program, Co-Mentor
- 2012-2015 Brian Royle, MS, Chair of Research Committee

2013 Kaherine Warthen, internship at National Nanotechnology Infrastructure Network Research Experience for Undergraduates (NNIN REU) Program at The University of Michigan, Co-Mentor and Principal Investigator

2013 Benjamin Covington, Undergraduate Research Project, Mentor

2012-2016 Juan Rodriguez, MS, Member of Research Committee

2014-2015 Constanza Fernandez, PhD, (combined program with UNICAMP), Advisor

2014-2016 Basma Ghandourah, MS, Member of Research Committee, Mentor

2014-2016 Betsey Baumann-Smeenge, Aryan Roushanrouz, Matthew Nye, OCD Mentor

2015 Ehsan Nasr Azadani, Dental Student, Mentor

2015-2016 Jessica Duell & Emily Pedersen, DH Students, Mentor

2015-2016 Allison Fedewa, MS Physiology, Mentor for Capstone project

2014-2018 Jae Shin, PhD, Member of Research Committee

2015-2019 Ethan Kolderman, Dental Student, Mentor

2015-2018 Ting Luo, PhD, Member of Research Committee

2016 Stephen Degenhardt, Dental Student at Columbia University, Mentor

2016-2019 Shawna Jackson, MS, Chair of Research Committee

2016-2019 Amanda Robertson, DDS Leadership Pathway, Mentor

2016-present Audrey Niemchick, DDS Immersion Pathway, Mentor

2016-2019 Glendale Lim, MS, Member of Research Committee

2016-2019 Amnah Algarni, PhD (IU), Member of Research Committee

2016-2019 Sarah Alangari, PhD (IU), Member of Research Committee

2017 Michael Korleski, Dental Hygiene Student, Mentor

2017-present Austin Goodyke, DDS Immersion Pathway, Mentor

2017-present McKinlee Ward, DDS Immersion Pathway, Mentor

2017-present Loai Wadea A Hazzazi, MS, Chair of Research Committee

2017-present Ghadeer Alwadai, MSD (IU), Member of Research Committee

2018-2019 Bethany Palesh, MS, Member of Research Committee

2018-2019 Alan Faber, Dental Student, Pathways Mentor

2018-present Shahd Almasswary, MS, Chair of Research Committee

2018-present Abdullah Radhwan, MS, Chair of Research Committee

2018-present Julie Van, MS, Chair of Research Committee

2019-present Kristin Peltz, MS, Member of Research Committee

#### Postdoctoral trainees

2015-2017 Constanza Fernandez (Co-Mentor)

2017-2018 Nathan Jones

#### Student Awards

2015 Constanza Fernandez, ORCA Travel Fellowship Award.

2016 Jessica Duell & Emily Pedersen. First Prize Dental Hygiene Program Award. University of Michigan School of Dentistry Research Day.

2016 Basma Ghandourah, IADR Heraeus Kulzer Travel Award.

2016 Basma Ghandourah, IAMM Young Scientist Medal 2016 from the European Advanced Materials Congress.

- 2016 Matthew Nye, Finalist of Academy of Dentistry International's Dr. Terry Tanaka Student Humanitarian Award.
- 2018 Megan Utter, Dr. Thomas J. Zwemer Award - ADA Foundation (ADAF)
- 2019 Maryam Alguilan. 1st place of best junior clinical poster award. King Abdul Aziz University 5th International dental conference. "Effects of dental erosion, roughness and wear simulations on CP-OCT enamel thickness measurement"

## **SERVICE**

### Administrative

- 1995-2009 Director of the Digital Electron Microscopy Facility (IU)
- 2000-2009 Director of the MSD and MS Programs in Preventive Dentistry (IU)
- 2005-2009 Director of the Laboratory Core Unit of the OHRI (IU)
- 2005-2009 Director of the Laboratory Contract Testing Program of the OHRI (IU)
- 2012-present Cariology Discipline Co-coordinator (UM)
- 2015-present Director of Global Initiatives in Oral and Craniofacial Health (UM)

### School Committees or Programs

- 1999-2000 Member of the IUSD Research Day Committee
- 1999-2005 Member IUSD Admissions Committee
- 2000-2001 Chairman of the IUSD Research Day Committee
- 2000-2009 Member of the IUSD Technology and Informatics Committee
- 2000-2009 Member of the IUSD Strategic Research Committee
- 2000-2009 Member of the IUSD Graduate Advisory Committee
- 2001-2002 Chair of the awards committee for IUSD Research Day
- 2002-2009 Member of the IUSD Student Research Sub-Committee
- 2005-2009 Member of the ad-hoc committee for the Advanced Standing Program
- 2006-2009 Chair or member of Search and Screen committees for different faculty positions at IUSD, including Endowed chair for restorative dentistry and Associate Dean for Graduate Education
- 2010-2011 Member of the UM SOD Foundations Science Core Committee
- 2010-2011 Member of the UM SOD Oral Health Science Core Committee
- 2010-2014 Member of the UM MCOHR Steering Committee
- 2011-2014 Member of Ad Hoc committee meeting for Retreat Focus
- 2011-2014 Chair of the UM SOD Administrative Quality Assurance Board (AQAB)
- 2011 Member of screen and search committee for POM chair position
- 2011-2014 Chair of the "Patient with Dental Caries and Pulpal Disease" committee
- 2012 Member of screen and search committee for new faculty position in Distribution Health Technologies
- 2012-2013 Chair of the search and screen committee for new faculty position in Orthodontics
- 2013-2014 Member of the Ad Hoc Clinics Efficiency Group
- 2013-2015 Co-Chair of the search and screen committee for two new faculty position in Periodontics
- 2010-2015 Member of the UM SOD Cognate/Faculty Grievance Hearing Panel
- 2010-2015 Member of the UM SOD Assessment Committee
- 2010-present UMSoD Research Day Judge
- 2012-2015 Chair of Nominations and Elections Committee

2015 Member of Ad Hoc DFA committee to provide recommendations to Dean  
 2014-present Faculty co-Leader GIOCH Program at Meru, Kenya  
 2015-present Faculty co-Leader GIOCH Program at Bauru, Brazil  
 2016 Chair of Ad Hoc internal review committee for re-appointment of a faculty member  
 2016 Member of search and screen committee (CRSE)  
 2016-present Faculty co-Leader GIOCH Program at Corfu, Greece  
 2016-present Faculty Leader GIOCH Program at Chichicastenango, Guatemala  
 2017-present Faculty co-Leader GIOCH Program at Shantou, China.  
 2017-present Faculty Leader GIOCH Program at Israel  
 2016-present Member of the CRSE faculty advisory committee  
 2016-2019 Member of UMSoD Executive Committee.

#### University Committees/Programs

2005-2009 Elected Representative of the IUSD faculty on the IUPUI Faculty Council  
 2012-2014 Member of CRLT Faculty Advisory Board  
 2013-2014 Member of a faculty special interest group (SIG) to help the University make decisions about instructional technology (at CRLT)  
 2015-present Member of the UM Council of Global Engagement  
 2015-present Member of the UM International Education Network  
 2015-present Member of the UM Global REACH Faculty Affiliate (GRA) program  
 2019-present UMSoD Representative in the new UM Center for Global Equity

#### National/International Committees/Service

1999-2000 Vice-president of the Indiana Section of the AADR  
 2000-2001 President of the Indiana Section of the AADR  
 2002-2003 Cariology Group Program Chair for the 2003 annual AADR meeting  
 2002-2003 Reviewer of abstracts for the 2003 annual AADR meeting  
 2002-2003 AADR Cariology Group annual meeting Program Chair  
 2003 Reviewer of abstracts for the 2003 annual IADR meeting  
 2003-2004 IADR Cariology Group Councilor  
 2004-2005 IADR Cariology Group Councilor  
 2004-2005 AADR Cariology Group Councilor  
 2006-present Voting member of the U.S. TAG for ISO/TC 106 Dentistry  
 2010-2013 AADR and IADR Cariology group Symposium and Lunch & Learning organizer  
 2011-2013 U.S. TAG for ISO/TC 106 Dentistry Alternate Expert for SC7 WG8  
 2013-2014 President Elect of the IADR Cariology Group  
 2013-2015 Councilor of the IADR Cariology Group  
 2014-2015 President of the IADR Cariology Group  
 2015-2016 Immediate Past-President and Group Program Chair of the IADR Cariology Group  
 2016 Judge for IADR Colombia Hatton Award  
 2016 Opponent for Masters in Dental Sciences defense of Diana M. Cuevas  
 2016 Opponent for Masters in Dental Sciences defense of Claudia M. Rincón  
 2018-present Member of the Council for Scientific Affairs of the ADA  
 2020-present Secretary of the American Academy of Cariology

### Clinical and Patient Care

- 2010-Present Patient care in private practice setting at UM SOD DFA (2 half-days per week)  
2010-2017 Supervising patient care in comprehensive care clinics (1-2 half-days per week)

### Continuing Education Courses (given by Dr. Gonzalez-Cabezas)

- 2009 June Secondary Caries: A unique disease process- Operative Dentistry Update 2009 at IUSD
- 2009 Nov. Lesion infiltration and update on professionally applied fluoride products-CRSE Seminar
- 2010 Nov. Caries Diagnosis-CRSE Seminar
- 2011 Feb. Review of the ART materials-CRSE Seminar
- 2011 May “Cariología en el siglo XXI: Enfoque moderno de una enfermedad antigua”- Special 1-day conference given in Queretaro, Mexico. Organized by OLAD.
- 2011 May “Cariología aplicada a práctica privada”-Special 1-day course that formed part of a 1-year diplomate degree in esthetics in the city of Queretaro, Mexico.
- 2011 July “Cariología en el siglo XXI: Enfoque moderno de una enfermedad antigua”- Special 1-day conference given alongside with Drs. Fontana and Cortes Marticorena in Madrid, Spain. Organized by the Spanish society of conservative Dentistry and the Spanish society of Epidemiology and oral public health.
- 2011 Sept. Non-invasive Management of Dental Caries: Opportunities and Challenges with the Products Available Today-Delta Gaylord annual meeting.
- 2011 Oct. Optimizing the use of fluoride in caries management. Easlick annual symposium.
- 2012 Jan. Management of non-cavitated active lesions in pits and fissures in children. 2h course given alongside with Dr. Fontana in Grand Rapids, Michigan.
- 2012 April “Caries Dental en la Actualidad”-4h course in Caracas, Venezuela, part of the 4th annual congress of the Venezuelan society of operative dentistry, esthetics, and biomaterials.
- 2012 Oct. Non-invasive Management of Dental Caries: Opportunities and Challenges with the Products Available Today. 6h CE course in Novi, Michigan.
- 2012 Dec. Basic Science Teaching Moments in the Clinic. CRSE CE Seminar.
- 2013 April “Gestão não invasiva da cárie dentária: oportunidades e desafios” – 5h course in Lisbon, Portugal. Part of the “Jornadas Internacionais de Medicina Dentária”.
- 2014 April Interprofessional education (IPE): Where are we?” – (a review of the different systems in place nationally, the University of Michigan activities, and goals of the current School of Dentistry grant. Organized/Presented by M Fitzgerald, B Piskorowski, N Sweier, C González-Cabezas.
- 2014 Dec. Fluoride: Are we winning the battle? CRSE CE Seminar Organized/Presented by C González-Cabezas, M Fontana, ME McLean, J Vivas, D Garcia.
- 2015 Nov Enfoque Preventivo en el Manejo de Caries. Conference for graduate students of the Universidad Autonoma de Queretaro, Mexico. 6 hours.
- 2016 Apr. Caries Diagnosis and Risk Assessment In Service. Organized/Presented by M Fontana, C González-Cabezas, E Karl.
- 2016 June Cariology for the Pediatric Dentistry Update. 6<sup>th</sup> Latinoamerican congress of dentistry for the baby. Guadalajara, Mexico. 6 hours.
- 2017 May Experiencias de la creación del Currículo en Europa y en EE.UU. Meeting in Talca, Chile (2 hours, presented along with Margherita Fontana).



- 2017 May Optimizing the anticaries effectiveness of dentifrices. Third International Encounter for Cariology. Meeting in Talca, Chile (3 hours).
- 2017 Oct. Optimizing the Anticaries Effectiveness of Dentifrices. 2017 Oral Health Conference at Saskatchewan, Canada (1.5 hours).
- 2017 Oct. Interprofessional management of dental caries in children. Annual Meeting of Sports Medicine for the Primary Care Physician & Fall Update in Family Medicine at Ann Arbor, Michigan (1 hour).
- 2017 Nov. Best Practices for Fluoride Recommendations in the 21st Century. Annual Meeting of the American Public Health Association at Atlanta, Georgia (1.5 hours).
- 2018 Nov. Core Undergraduate Cariology Curriculum in the US, University of Michigan experience. Part of the Cariology Education in Canadian Dental Schools Symposium. Montreal, Canada (1 hour)
- 2019 Jan. Recent Advances in Caries Remineralization Therapies. 30th Saudi International Dental Conference (SIDC 2019). Riyadh, Saudi Arabia (1 hour).
- 2019 Jan. Optimizing the anticaries effectiveness of dentifrices. 30th Saudi International Dental Conference (SIDC 2019). Riyadh, Saudi Arabia (1 hour).
- 2019 Jan. Integrating Silver Diamine Fluoride (SDF) in the Management of High Caries Patients. 30th Saudi International Dental Conference (SIDC 2019). Riyadh, Saudi Arabia (1 hour).
- 2019 Mar. Global Health Panel Discussion. Organized by UM Inter-professional Health Student Organization. Ann Arbor (1.5 hours)
- 2019 Apr. GlobeMed Fundraising Event, keynote speaker. Organized by GlobeMed, a social justice and public health club at U of M.
- 2019 Apr. Evidence-based clinical cariology and its integration into the dental curriculum. Organized by the University of Saskatchewan College of Dentistry (6 hours).
- 2019 May Efficacy of current therapies for prevention of dental caries and periodontal disease. Medellin, Colombia (2 hours)
- 2019 May New prevention therapies for dental caries. Medellin, Colombia (1.5 hours)
- 2019 Oct. Optimizing the Anticaries Effectiveness of Dentifrices. Jeddah, Kingdom of Saudi Arabia.
- 2019 Oct. Integrating Clinical Cariology into the Dental Curriculum-The University of Michigan Experience. Jeddah, Kingdom of Saudi Arabia.
- 2020 May Best practices for detection, diagnosis, risk assessment, prevention and non-restorative management of dental caries at UM School of Dentistry (via Zoom). Part of faculty calibration.
- 2020 June Oral biofilms. Cali, Colombia. (canceled due to COVID19)
- 2020 June Dental sealants. Cali, Colombia. (canceled due to COVID19)
- 2020 June Early detection of caries lesions. Cali, Colombia. (canceled due to COVID19)
- 2020 June New prevention therapies for dental caries. Cali, Colombia. (canceled due to COVID19)

#### Editorial Board Membership and Ad Hoc Journal Reviewer

- 1999-present Venezuelan Journal of Dental Research, Editorial Board Member and Reviewer
- 2000-present Caries Research, Reviewer

2001-present American Journal of Dentistry, Reviewer  
2001-present Brazilian Journal of Oral Sciences, Editorial Board Member and Reviewer  
2002-present Operative Dentistry, Editorial Board Member and Reviewer  
2003-present Journal of Dentistry, Reviewer  
2005-present Oral Diseases, Reviewer  
2005-present European Journal of Oral Sciences, Reviewer  
2006-present Journal of Dental Research, Reviewer  
2006-present Journal of the American Dental Association , Reviewer  
2007-present Acta Odontologica Scandinavica, Reviewer  
2008-present Archives of Oral Biology, Reviewer  
2010-present Journal of Biomedical Optics, Reviewer  
2010-present Journal of Public Health Dentistry, Reviewer  
2011-present International Journal of Oral Sciences, Reviewer  
2011-present CES Odontología, Editorial Board Member and Reviewer  
2016-present BMC Oral Health, Reviewer  
2017-present Scientific Reports, Reviewer

#### Hands-on Workshop and Symposium Organizer and Presenter

2012-IADR: Change from ‘Drill & Fill’ to ‘Heal & Seal’ in Dental Education?  
2013-IADR: Modern Caries Diagnostics and Documentation.  
2016-Corfu: Global Initiative for Oral Health in Corfu, Greece – Special Needs Population.  
2018-AADR: Contemporary Electronic Health Records: How Standards Support Global Research and Education.  
2018-Dental and Craniofacial Research Collaboration Initiative between the University of Michigan School of Dentistry and Peking University School and Hospital of Stomatology.  
2019-IADR symposium: "Aging and Oral Health: Science and Evidence for Root Caries Control"  
2020-IADR symposium: "A century of understanding cariogenic biofilms and their clinical management" Meeting was canceled (COVID19)

#### Grant Reviewer

2002 Reviewer for the Scottish Executive Health Department Grant Agency  
2017 NIH Study Section (by phone)

**GRANTS AND CONTRACTS** (Exact project title and industry sponsor's name are intentionally omitted to preserve confidentiality. If needed and appropriate, please contact C. Gonzalez for this information)

Active

Title A pH-Responsive Smart Copolymer For Selective Removal of Cariogenic Oral Biofilms  
Sponsor NIDCR  
Grant Period 2020-2022  
Grant Amount \$275,000 (direct costs)  
Award Status Funded  
Principal Investigator Kenichi Kuroda (**Gonzalez-Cabezas C**, Co-I)

Title Bioresorbable Nanoparticles for Visual Detection of Early-Stage Dental Caries  
Sponsor  
NIH-PHASE Phase II Small Business Innovation Research (SBIR/STTR)  
Grant Period 2019-2021  
Grant Amount \$313,227 (direct costs for UM site)  
Award Status Funded  
Principal Investigator Overall PI, Steven Bloembergen (**Gonzalez-Cabezas C**, UM PI)

Title Targeted Remineralization Treatment Using Mineral Loaded Starch Nanoparticles  
Sponsor Interdisciplinary Translational Project Program of the MPWRM Resource Center that is supported in part by NIH (U24DE026915)  
Grant Period 2017-2020  
Grant Amount \$69,140 (direct cost)  
Award Status Funded  
Principal Investigator Steven Bloembergen (**Gonzalez-Cabezas C**, Co-I)

Title Anticaries Potential of an Experimental Topical Fluoride Product in a Demin/Remin Cycling Model  
Sponsor Industry  
Grant Period 2019-2020  
Grant Amount \$30,051  
Award Status Funded  
Principal Investigator **Gonzalez-Cabezas C**

Title Primary caries prevention of new dentifrice formulations in a microbial artificial-mouth model.  
Sponsor Industry  
Grant Period 2018-2020  
Grant Amount \$160,000  
Award Status Funded

Principal Investigator **Gonzalez-Cabezas C**

Title Phase III RCT of the effectiveness of silver diamine fluoride in arresting cavitated caries lesions

Sponsor National Institutes of Health

Grant Period 2017-2021

Grant Amount \$9,557,274 (direct cost)

Award Status Funded

Principal Investigator Margherita Fontana (**Gonzalez-Cabezas C**, PI of Michigan Site)

Completed  
Government Grants

Title Impact of Different Material Coatings on MEMS-Produced pH Micro-Electrodes Pertaining to the Growth of Biofilm (Multi-Bacterial Complexes)

Sponsor National Nanotechnology Infrastructure Network Research Experience for Undergraduates (NNIN REU) Program (funded by NSF)

Grant Period 2013

Grant Amount \$4,000 stipend, plus travel expenses for the student (Katherine Warthen)

Principal Investigator **Gonzalez-Cabezas C (Mentor)**

Title Effectiveness of sealing caries: a way to reduce disparities in dental caries (R21 renewal)

Sponsor NIH

Grant Period 2008-2009

Grant Amount \$149,834

Principal Investigator Fontana M (**Gonzalez-Cabezas C**, Co-I)

Title Effectiveness of sealing caries: a way to reduce disparities in dental caries (R21)

Sponsor NIH

Grant Period 2007-2008

Grant Amount \$265,125

Principal Investigator Fontana M (**Gonzalez-Cabezas C**, Co-I)

Title Early caries detection and intervention.

Sponsor NIH Program Project (P01 DE13540)

Grant Period 2001-2005

Grant Amount \$5,999,879 (\$570,110 for the project I was involved)

Principal Investigator Wefel J (**Gonzalez-Cabezas C**, Co-I)

Title Advanced imaging technology of disease detection and control

Sponsor 21st Century Research and Technology Grant (Indiana Government)

Grant Period 2000-2002

Grant Amount \$1,650,000

Principal Investigator Stookey G (**Gonzalez-Cabezas C**, Co-I)

Grants and Contracts funded by Foundations or Industry Completed in the Last few years (\*The exact title of many of the industry-funded studies and the name of the industry sponsors are omitted to preserve confidentiality)

Title Global Initiatives in Oral and Craniofacial Health in Meru, Kenya  
Sponsor Dr. Thomas J. Zwemer Award - ADA Foundation (ADAF)  
Grant Period 2018  
Grant Amount \$5,000  
Principal Investigator Megan Utter (dental student leader), **Gonzalez-Cabezas C** (Mentor and director of the project)

Title Michigan-Brazil Research Symposium  
Sponsor UM Rackham Dean's Strategic Initiative Fund  
Grant Period 2017  
Grant Amount \$2,000  
Principal Investigator **Gonzalez-Cabezas C**

Title Michigan-Brazil Research Symposium  
Sponsor UM Office of Research Faculty Grants and Awards Program  
Grant Period 2017  
Grant Amount \$2,500  
Principal Investigator **Gonzalez-Cabezas C**

Title Primary caries prevention of SnF<sub>2</sub> and NaF dentriferices in a microbial artificial-mouth model.  
Sponsor Industry  
Grant Period 2016-2018  
Grant Amount \$80,000  
Principal Investigator **Gonzalez-Cabezas C**

Title Development of single and multispecies biofilm models to study dental caries and fluoride products.  
Sponsor Industry  
Grant Period 2015-2018  
Grant Amount \$233,242  
Principal Investigator **Gonzalez-Cabezas C**

Title Early Fluoride Release and Biofilm Fluoride Concentration Following the Application of Three Different 5% NaF Varnishes  
Sponsor University of Michigan Rackham Graduate Student Research Grants  
Grant Period 2016-2017

Grant Amount	\$1,500
Principal Investigator	<b>Gonzalez-Cabezas C (Mentor)</b>
Title	Enamel demineralization prevention potential of different formulations of oral rinse.
Sponsor	Industry
Grant Period	2015-2017
Grant Amount	\$45,939
Principal Investigator	<b>Gonzalez-Cabezas C</b>
Title	Investigation of novel chewing gum actives to promote oral health.
Sponsor	Industry
Grant Period	2015-2018
Grant Amount	\$265,721
Principal Investigator	Rickard A ( <b>Gonzalez-Cabezas C</b> , Co-I)
Title	Exploring dental biofilm community architecture and structure.
Sponsor	Industry
Grant Period	2014-2018
Grant Amount	\$235,713
Principal Investigator	Rickard A ( <b>Gonzalez-Cabezas C</b> , Co-I)
Title	Effect of new SnF <sub>2</sub> formulations in interproximal caries lesions developed with a new multispecies “natural” biofilm caries model.
Sponsor	Industry
Grant Period	2014-2015
Grant Amount	\$60,000
Principal Investigator	<b>Gonzalez-Cabezas C</b>
Title	Learning cariology in a new dental curriculum: Long lasting student learning of critical thinking and problem solving skills in the context of patient care
Sponsor	University of Michigan Center for Research, Learning and Teaching: Investigating Student Learning
Grant Period	2013-2014
Grant Amount	\$4,000
Principal Investigator	<b>Gonzalez-Cabezas C (Co-PI)</b>
Title	Exam questions developed by students lead to higher cognitive level of learning
Sponsor	University of Michigan School of Dentistry Roy H. Roberts Awards for Excellence and Innovation in Teaching
Grant Period	2013-2014
Grant Amount	\$3,968

Principal Investigator **Gonzalez-Cabezas C (Co-PI)**

Title Development of a SnF<sub>2</sub>-Ca-PO<sub>4</sub> rinse for enhanced enamel demineralization prevention. Series of pilot studies.

Sponsor Industry

Grant Period 2013-2014

Grant Amount \$17,591

Principal Investigator **Gonzalez-Cabezas C**

Title Development of a new formulation of SnF<sub>2</sub>-Ca-PO<sub>4</sub> gel and dentifrice for enhanced enamel demineralization prevention.

Sponsor Industry

Grant Period 2013-2014

Grant Amount \$24,148

Principal Investigator **Gonzalez-Cabezas C**

Title Exam questions developed by students lead to higher cognitive level of learning.

Sponsor Roy H. Roberts Awards for Teaching Excellence and Innovation

Grant Period 2013-2014

Grant Amount \$3,968

Principal Investigator **Gonzalez-Cabezas C (Co-PI)**

Title Evaluation of a new fluoride varnish formulation on fluoride release and topographical characteristics using interferometry.

Sponsor Industry

Grant Period 2013-2014

Grant Amount \$5,000

Principal Investigator **Gonzalez-Cabezas C**

Title Prevention of biofilm formation by Lubricin (proteoglycan).

Sponsor Industry

Grant Period 2013-2014

Grant Amount \$1,000

Principal Investigator **Gonzalez-Cabezas C**

Title Primary Caries Prevention of Different Formulations of SnF<sub>2</sub> and NaF Dentifrices in a Microbial Artificial-Mouth Model using Different Biofilms

Sponsor Industry

Grant Period 2013-2014

Grant Amount \$74,877

Principal Investigator **Gonzalez-Cabezas C**

Title Development of an intraoral wireless pH monitoring device.

Sponsor Industry  
Grant Period 2013-2014  
Grant Amount \$20,000  
Principal Investigator **Gonzalez-Cabezas C**

Title Characterization of efficacy drivers for Fluoride varnishes  
Sponsor Industry  
Grant Period 2013-2014  
Grant Amount \$20,000  
Principal Investigator **Gonzalez-Cabezas C**

Title Remineralizing Deproteinized Enamel Caries Lesions with Carbonated Amorphous Calcium Phosphate  
Sponsor ADA Foundation's Scientific Research  
Grant Period 2013-2014  
Grant Amount \$5,000  
Principal Investigator **Gonzalez-Cabezas C (Mentor)**

Title Impact of Different Material Coatings on MEMS-Produced pH Micro-Electrodes Pertaining to the Growth of Biofilm (Multi-Bacterial Complexes)  
Sponsor National Nanotechnology Infrastructure Network Research Experience for Undergraduates (NNIN REU) Program (funded by NSF)  
Grant Period 2013  
Grant Amount \$4,000 stipend, plus travel expenses for the student (Katherine Warthen)  
Principal Investigator **Gonzalez-Cabezas C (Mentor)**

Title Impact of different fluoride varnish formulations on enamel remineralization  
Sponsor Industry  
Grant Period 2013  
Grant Amount \$19,955  
Principal Investigator **Gonzalez-Cabezas C**

Title Salivary Fluoride Ion Concentration Following the Application of Different 5% NaF Containing Varnishes in vivo  
Sponsor Delta Dental Foundation  
Grant Period 2012-2014  
Grant Amount \$2,957  
Principal Investigator **Gonzalez-Cabezas C (Mentor)**

Title Remineralizing Deproteinized Enamel Caries Lesions with Carbonated Amorphous Calcium Phosphate  
Sponsor University of Michigan School of Dentistry Research Pathway Program  
Grant Period 2012-2014  
Grant Amount \$5,000



Principal Investigator **Gonzalez-Cabezas C (Mentor)**

Title Evaluation of a IP Cleaning Device for Remineralization of Approximal Non-Cavitated Lesions

Sponsor Industry

Grant Period 2010-2011

Grant Amount \$42,810

Principal Investigator **Gonzalez-Cabezas C**

Title Remineralization potential of high fluoride concentration dentifrices

Sponsor Industry

Grant Period 2010

Grant Amount \$41,460

Principal Investigator **Gonzalez-Cabezas C**

Grants and Contracts funded by Foundations or Industry Completed Previously (*\*The exact title of many of the industry-funded studies and the name of the industry sponsors are omitted to preserve confidentiality*)

Title: Caries prevention potential of different dentifrice formulations using microbial caries models (4 different studies)

Role: Co-Investigator

Project Funding Agency: 2 different Industry Sponsors\*

Years of award: 2000

Funding: \$51,940

Title: Caries prevention potential of a vaccine prototype using a microbial caries model

Role: Co-Investigator

Project Funding Agency: Industry Sponsor\*

Years of award: 2000

Funding: \$13,000

Title: Detection of secondary caries in root surfaces

Role: Co-Investigator

Project Funding Agency: Delta Dental Fund

Years of award: 2001

Funding: \$65,000

Title: Pilot study to investigate the composition of dental stains.

Role: PI

Project Funding Agency: Industry Sponsor\*

Years of award: 2001

Funding: \$2,000

Title: Effect of bleaching agents on tooth surfaces and dental materials (4 different studies)

Role: Co-Investigator

Project Funding Agency: 3 different Industry Sponsors\*

Years of award: 2001  
Funding: \$56,105

Title: Caries prevention potential of different dentifrice formulations using microbial caries models (4 different Studies)

Role: Co-Investigator  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2001  
Funding: \$65,600

Title: Dentinal occlusion potential of different products (3 different studies)

Role: Co-Investigator  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2001  
Funding: \$34,000

Title: Cariogenic potential of baby formulas (2 different studies)

Role: Co-Investigator  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2001  
Funding: \$40,099

Title: Development of a new model for determination of dentinal occlusion potential of different products

Role: PI  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2002  
Funding: \$2,105

Title: Dentinal occlusion potential of different products (3 different studies)

Role: Co-Investigator  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2002  
Funding: \$24,800

Title: EPMA analyses of a variety of steels

Role: PI  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2003  
Funding: \$2,900

Title: EDAX analysis of plastic defects, contaminants, and springs (3 different studies)

Role: PI  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2003  
Funding: \$460

Title: CLSM, SEM, and elemental analysis of stain pellicles

Role: PI  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2003  
Funding: \$4,000

Title: EPMA analyses of different alloys (3 different studies)  
Role: PI  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2003  
Funding: \$4,650

Title: EPMA and EDS analyses of different films (2 different studies)  
Role: PI  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2003  
Funding: \$5,480

Title: Evaluating the preventive potential of several dentifrice formulations using microbial caries models (2 different studies)  
Role: Co-Investigator  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2003  
Funding: \$33,000

Title: In situ determination of the ability of various chemical agents to occlude dentinal tubules – pilot study  
Role: Co-Investigator  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2003  
Funding: \$42,873

Title: In vitro determination of the ability of various chemical agents to occlude dentinal tubules  
Role: Co-Investigator  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2003  
Funding: \$2,800

Title: SEM evaluation of a 6% hydrogen peroxide tooth whitening gel on dental materials in vitro  
Role: Co-Investigator  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2003  
Funding: \$3,000

Title: SEM/EPMA comparison of the effect of a novel remineralizing system on the enamel surface of human tooth specimens  
Role: Co-Investigator  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2003  
Funding: \$1,600

Title: Determination of the effect of whitening agents on the surface of various oral substrates  
Role: Co-Investigator  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2003  
Funding: \$15,600

Title: Analyzing contaminants on metal springs using EDS and SEM (2 different studies)  
Role: PI  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2004  
Funding: \$360

Title: Elemental mapping analysis using wavelength dispersive spectrometry (WDS) of plastic elements  
Role: PI  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2004  
Funding: \$600

Title: Effect of bleaching agents on tooth surfaces and dental Materials (2 different studies)  
Role: PI  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2004  
Funding: \$12,000

Title: Effect of bleaching agents on tooth surfaces and dental materials (4 different studies)  
Role: Co-Investigator  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2004  
Funding: \$55,800

Title: Evaluation of the acid resistance of mineral precipitations inside dentinal tubules resulting from different polishing treatments in vitro  
Role: PI  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2004  
Funding: \$2,280

Title: Microscopic evaluation of stains created on tooth enamel in vitro. Pilot study  
Role: PI  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2004  
Funding: \$650

Title: Evaluation of the cleaning ability of different formulation of toothpastes, abrasives, toothbrushes, and prophylaxis cups under numerous experimental in vitro conditions (65 different studies)  
Role: PI  
Project Funding Agency: 14 Industry Sponsors\*  
Years of award: 2005  
Funding: \$464,635

Title: Evaluation of the abrasivity or polishing potential of different dentifrice formulations, abrasives, toothbrushes, and prophylaxis cups under numerous experimental laboratory conditions (95 different studies)  
Role: PI  
Project Funding Agency: 14 Industry Sponsors\*  
Years of award: 2005

Funding: \$464,635

Title: Evaluation of the bioavailability and stability of fluoride in toothpastes and mouthrinses (9 different studies)

Role: PI

Project Funding Agency: 8 Industry Sponsors\*

Years of award: 2005

Funding: \$18,400

Title: Evaluating the ability of different products and formulations to promote fluoride uptake in enamel (18 different studies)

Role: PI

Project Funding Agency: 3 Industry Sponsors\*

Years of award: 2005

Funding: \$143,100

Title: Evaluating the ability of different products and formulations to promote remineralization and enamel fluoride uptake in a cycling model (4 different studies)

Role: PI

Project Funding Agency: 4 Industry Sponsors\*

Years of award: 2005

Funding: \$39,700

Title: Evaluating the ability of different products and formulations to promote remineralization and enamel fluoride uptake in a cycling model (7 different studies)

Role: PI

Project Funding Agency: 4 Industry Sponsors\*

Years of award: 2005

Funding: \$163,470

Title: Evaluation of fluoride content in 284 drinking water samples

Role: PI

Project Funding Agency: 11 Dentists or Community Centers

Years of award: 2005

Funding: \$3,508

Title: Determination of the effect of whitening agents on the surface of various oral substrates

Role: PI

Project Funding Agency: Industry Sponsor\*

Years of award: 2005

Funding: \$6,900

Title: Evaluation of a dentifrice using an erosion/remineralization model

Role: Co-Investigator

Project Funding Agency: Industry Sponsor\*

Years of award: 2005-2006

Funding: \$86,437

Title: Master's Thesis Award: The effects of frequency of exposure and type of sweetener on the cariogenic effects of soft drinks

Role: PI

Project Funding Agency: Delta Dental Fund  
Years of award: 2006  
Funding: \$3,000

Title: Evaluation of the potential remineralization and fluoride uptake promotion in incipient enamel lesions using experimental fluoride and zinc containing mouthrinses

Role: PI  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2006  
Funding: \$28,863

Title: Evaluating the cleaning ability of different dentifrice formulations, abrasives, toothbrushes, and prophylaxis cups under numerous experimental in vitro conditions (120 different studies)

Role: PI  
Project Funding Agency: 25 Industry Sponsors\*  
Years of award: 2006  
Funding: \$567,170

Title: Evaluating the abrasivity or polishing potential of different dentifrice formulations, abrasives, toothbrushes, and prophylaxis cups under numerous experimental in vitro conditions (139 different studies)

Role: PI  
Project Funding Agency: 37 Industry Sponsors\*  
Years of award: 2006  
Funding: \$323,540

Title: Evaluation of the bioavailability and stability of different fluoride in toothpastes and mouthrinses (19 different studies)

Role: PI  
Project Funding Agency: 7 Industry Sponsors\*  
Years of award: 2006  
Funding: \$19,550

Title: Evaluating the ability of different products and formulations to promote fluoride uptake in enamel (30 different studies)

Role: PI  
Project Funding Agency: 7 Industry Sponsors\*  
Years of award: 2006  
Funding: \$294,249

Title: Evaluating the ability of different products and formulations to promote enamel solubility resistance in enamel (11 different studies)

Role: PI  
Project Funding Agency: 2 Industry Sponsors\*  
Years of award: 2006  
Funding: \$120,700

Title: Evaluating the ability of different products and formulations to promote remineralization and enamel fluoride uptake in a cycling model (11 different studies)

Role: PI  
Project Funding Agency: 5 Industry Sponsors\*

Years of award: 2006  
Funding: \$201,767

Title: Evaluating the ability of different products to whiten human teeth (3 different studies)

Role: PI

Project Funding Agency: 2 Industry Sponsors\*

Years of award: 2006

Funding: \$21,100

Title: Evaluating the effect of whitening agents on the surface of various oral substrates (3 different studies)

Role: PI

Project Funding Agency: 2 Industry Sponsors\*

Years of award: 2006

Funding: \$40,500

Title: Developing a new model for wear analysis combining erosion and abrasion (2 different studies)

Role: PI

Project Funding Agency: Industry Sponsor\*

Years of award: 2006

Funding: \$30,360

Title: Clinical evaluation of dentifrice using an in-situ erosion/remineralization model

Role: Co-Investigator

Project Funding Agency: Industry Sponsor\*

Years of award: 2006

Funding: \$203,740

Title: Clinical study to compare fluoride in plaque fluid

Role: Co-Investigator

Project Funding Agency: Industry Sponsor\*

Years of award: 2006

Funding: \$299,797

Title: Clinical evaluation of two experimental dentifrices using an in situ remineralization – Fluoride Uptake Model

Role: Co-Investigator

Project Funding Agency: Industry Sponsor\*

Years of award: 2006

Funding: \$216,252

Title: Clinical study to investigate the effect of fluoride on enamel surface softening from an erosive challenge.

Role: Co-Investigator

Project Funding Agency: Industry Sponsor\*

Years of award: 2006

Funding: \$182,604

Title: Evaluation of the potential remineralization and fluoride uptake promotion in incipient enamel lesions using experimental fluoride and zinc containing mouthrinses.

Role: PI

Project Funding Agency: Industry Sponsor\*  
Years of award: 2007  
Funding: \$28,863

Title: Fluoride uptake in incipient enamel lesions after mouth rinse treatments in vitro.  
Role: PI  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2007  
Funding: \$10,680

Title: Fluoride uptake in incipient enamel lesions after mouth rinse treatments in vitro (additional funds).  
Role: PI  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2007  
Funding: \$2,670

Title: Evaluation of the potential for remineralization and fluoride uptake promotion in incipient enamel lesions using experimental fluoride containing mouthrinses (2 different studies).  
Role: PI  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2007  
Funding: \$57,672

Title: Fluoride uptake in incipient enamel lesions after mouth rinse treatments.  
Role: PI  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2007  
Funding: \$10,680

Title: Evaluation of the cleaning ability of different dentifrice formulations, abrasives, toothbrushes, and prophylaxis cups under numerous experimental in vitro conditions (136 different studies)  
Role: PI  
Project Funding Agency: 25 Industry Sponsors\*  
Years of award: 2007  
Funding: \$464,635

Title: Evaluation of the abrasivity or polishing potential of toothpastes, abrasives, toothbrushes, and prophylaxis cups under numerous experimental in vitro conditions (231 different studies)  
Role: PI  
Project Funding Agency: 32 Industry Sponsors\*  
Years of award: 2007  
Funding: \$379,470

Title: Evaluation of the bioavailability and stability of fluoride in toothpastes and mouthrinses (14 different studies)  
Role: PI  
Project Funding Agency: 6 Industry Sponsors\*  
Years of award: 2007  
Funding: \$13,570



Title: Evaluating the ability of different products and formulations to promote fluoride uptake in enamel (31 different studies)  
Role: PI  
Project Funding Agency: 6 Industry Sponsors\*  
Years of award: 2007  
Funding: \$294,249

Title: Evaluating the ability of different products and formulations to promote enamel solubility resistance in enamel (8 different studies)  
Role: PI  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2007  
Funding: \$85,786

Title: Evaluating the ability of different products and formulations to promote remineralization and enamel fluoride uptake in a cycling model (20 different studies)  
Role: PI  
Project Funding Agency: 5 Industry Sponsors\*  
Years of award: 2007  
Funding: \$273,990

Title: Evaluation of the ability of different products to whiten human teeth  
Role: PI  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2007  
Funding: \$3,241

Title: Evaluation of the ability of different products to prevent tartar formation  
Role: PI  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2007  
Funding: \$4,510

Title: Evaluation of fluoride content in 420 drinking water samples  
Role: PI  
Project Funding Agency: 15 Dentists or Community Centers  
Years of award: 2007  
Funding: \$3,508

Title: Evaluation of in situ remineralization, fluoride uptake, and plaque fluid and salivary fluoride retention from an experimental fluoride dentifrice  
Role: Co-Investigator  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2007  
Funding: \$96,038

Title: A clinical study to investigate the effect of sodium lauryl phosphate on enamel surface softening from an erosive challenge  
Role: Co-Investigator  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2007

Funding: \$190,501

Title: Fluoride uptake in incipient enamel lesions after dentifrice treatment in vitro

Role: PI

Project Funding Agency: Industry Sponsor\*

Years of award: 2007-2008

Funding: \$16,020

Title: Fluoride uptake in incipient enamel lesions after dentifrice treatment in vitro

Role: PI

Project Funding Agency: Industry Sponsor\*

Years of award: 2007-2008

Funding: \$38,063

Title: Evaluation of enamel surface restoring potential for anti-erosion toothpaste using a remineralizing cycling model and root dentin surface restoring anti-erosion toothpastes

Role: PI

Project Funding Agency: Industry Sponsor\*

Years of award: 2007-2008

Funding: \$40,784

Title: A comparison of the clinical efficacy of sodium fluoride dentifrices using an in situ caries model

Role: Co-Investigator

Project Funding Agency: Industry Sponsor\*

Years of award: 2007-2008

Funding: \$227,459

Title: A clinical study to investigate the effect of sodium lauryl phosphate on enamel surface softening from an erosive challenge

Role: Co-Investigator

Project Funding Agency: Industry Sponsor\*

Years of award: 2007-2008

Funding: \$185,892

Title: Evaluation of four dentifrices using an in-situ model of dental erosion and remineralization

Role: Co-Investigator

Project Funding Agency: Industry Sponsor\*

Years of award: 2007-2008

Funding: \$313,023

Title: Exploratory evaluation of an experimental fluoride dentifrice formulation using an in-situ remineralization/fluoride uptake model

Role: Co-Investigator

Project Funding Agency: Industry Sponsor\*

Years of award: 2007-2008

Funding: \$123,192

Title: Comparison of the clinical efficacy from the retention phase of fluoride delivery of fluoride toothpastes using an in-situ caries model

Role: Co-Investigator

Project Funding Agency: Industry Sponsor\*

Years of award: 2007-2008  
Funding: \$296,095

Title: The effect of brushing time and the amount of dentifrice used on enamel surface microhardness in vivo

Role: Co-Investigator  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2007-2008  
Funding: \$330,913

Title: Evaluation of the Cleaning ability of different toothpaste formulations, abrasives, toothbrushes, and prophylaxis cups under numerous experimental in vitro conditions (95 different studies)

Role: PI  
Project Funding Agency: 26 Industry Sponsors\*  
Years of award: 2008  
Funding: \$403,366

Title: Evaluation of the abrasivity or polishing potential of different toothpaste formulations, abrasives, toothbrushes, and prophylaxis cups under numerous experimental in vitro conditions (134 different studies)

Role: PI  
Project Funding Agency: 30 Industry Sponsors\*  
Years of award: 2008  
Funding: \$394,110

Title: Evaluation of the bioavailability and stability of fluoride in toothpastes and mouthrinses (7 different studies)

Role: PI  
Project Funding Agency: 5 Industry Sponsors\*  
Years of award: 2008  
Funding: \$11,800

Title: Evaluation of the ability of different products and formulations to promote fluoride uptake in enamel (18 different studies)

Role: PI  
Project Funding Agency: 5 Industry Sponsors\*  
Years of award: 2008  
Funding: \$178,300

Title: Evaluation of the ability of different products and formulations to promote enamel solubility resistance in enamel (7 different studies)

Role: PI  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2008  
Funding: \$60,607

Title: Evaluation of different products and formulations in the promotion of remineralization and enamel fluoride uptake in a cycling model (19 different studies)

Role: PI  
Project Funding Agency: 4 Industry Sponsors\*  
Years of award: 2008

Funding: \$513,913

Title: Evaluation of the ability of different products to prevent tartar formation (2 different studies)

Role: PI

Project Funding Agency: Industry Sponsor\*

Years of award: 2008

Funding: \$7,728

Title: Characterization of fluoride varnishes

Role: PI

Project Funding Agency: Industry Sponsor\*

Years of award: 2008

Funding: \$9,580

Title: Studies on fluoride release overtime

Role: PI

Project Funding Agency: Industry Sponsor\*

Years of award: 2008

Funding: \$1,375

Title: Evaluation of the effect of several mouthrinse formulation on the surface of tooth and restorative materials substrates

Role: PI

Project Funding Agency: Industry Sponsor\*

Years of award: 2008

Funding: \$23,700

Title: Evaluation of enamel remineralization potential of different formulations

Role: PI

Project Funding Agency: Industry Sponsor\*

Years of award: 2008

Funding: \$50,000

Title: An exploratory study to compare the clinical efficacy of fluoride dentifrices using an in situ caries model

Role: Co-Investigator

Project Funding Agency: Industry Sponsor\*

Years of award: 2008

Funding: \$144,969

Title: A study to investigate the effect of zinc oxide on enamel surface softening from an erosive challenge

Role: Co-Investigator

Project Funding Agency: Industry Sponsor\*

Years of award: 2008

Funding: \$156,180

Title: Evaluation of a test mouthwash and dentifrice regimen in an in-situ model of dental erosion and remineralization

Role: Co-Investigator

Project Funding Agency: Industry Sponsor\*

Years of award: 2008  
Funding: \$312,183

Title: Clinical efficacy of fluoride toothpastes using an in-situ caries model  
Role: Co-Investigator  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2008  
Funding: \$322,651

Title: A study to evaluate the effectiveness of three fluoridated dentifrices using an in-situ model of dental erosion and remineralization  
Role: Co-Investigator  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2008  
Funding: \$316,963

Title: Fluoride uptake in incipient enamel lesions after mouthrinse treatments in vitro  
Role: PI  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2008-2009  
Funding: \$7,209

Title: A proof of technology study to investigate the effect of a calcium phosphate complex on enamel surface softening  
Role: Co-Investigator  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2008-2009  
Funding: \$184,101

Clinical Efficacy of fluoride toothpastes using an in situ caries model  
Role: Co-Investigator  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2008-2009  
Funding: \$304,186

Title: A study to measure the effect of dentifrices usage regime on delivery and efficacy of fluoride using an in situ caries  
Role: Co-Investigator  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2008-2009  
Funding: \$358,093

Title: Evaluation of the cleaning ability of different toothpaste formulations, abrasives, and toothbrushes under numerous experimental in vitro conditions (31 different studies)  
Role: PI  
Project Funding Agency: 11 Industry Sponsors\*  
Years of award: 2009  
Funding: \$170,650

Title: Evaluation of the abrasivity or polishing potential of different toothpastes, abrasives, and toothbrushes under numerous experimental in vitro conditions (72 different studies)

Role: PI  
Project Funding Agency: 15 Industry Sponsors\*  
Years of award: 2009  
Funding: \$134,925

Title: Study evaluation of the bioavailability and stability of fluoride in toothpastes and mouthrinses  
Role: PI  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2009  
Funding: \$1,500

Title: Evaluation of the ability of different products and formulations to promote fluoride uptake in enamel (2 different studies)  
Role: PI  
Project Funding Agency: 2 Industry Sponsors\*  
Years of award: 2009  
Funding: \$25,810

Title: Study evaluating the ability of different products and formulations to promote enamel solubility resistance in enamel  
Role: PI  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2009  
Funding: \$7,060

Title: Evaluating the ability of different products and formulations to promote remineralization and enamel fluoride uptake in a cycling model (3 different studies)  
Role: PI  
Project Funding Agency: 2 Industry Sponsors\*  
Years of award: 2009  
Funding: \$71,082

Title: Study evaluating the ability of different prophylaxis pastes and cups to remove stain  
Role: PI  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2009  
Funding: \$2,620

Title: Study evaluating the abrasiveness of different prophylaxis pastes and cups  
Role: PI  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2009  
Funding: \$5,936

Title: Determination of the effect of whitening mouthrinses on the surface of various oral substances  
Role: PI  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2009  
Funding: \$14,840

Title: Effect of Gap Geometry on Secondary Caries Development

Role: PI  
Project Funding Agency: Delta Dental Foundation  
Years of award: 2009  
Funding: \$2,000

Title: A placebo controlled study to evaluate the effectiveness of three experimental treatments using an in situ model of dental erosion and remineralization

Role: Co-Investigator  
Project Funding Agency: Industry Sponsor\*  
Years of award: 2009  
Funding: \$317,148

Title: AADR Student Research Fellowship  
Role: Co-PI  
Project Funding Agency: AADR  
Years of award: 2009-2010  
Funding: \$2,100

## **PUBLICATIONS:**

### Published Articles in peer reviewed journals

1. **González-Cabezas C**, Fontana M. Estudio epidemiológico de desnutrición y caries en un área marginal de Caracas (English translation: Epidemiological study on malnutrition and caries relationship in a poor area of Caracas). *Acta Odont Venez* 1992;30:29-33.
2. Bastidas R, **González-Cabezas C**, Fontana M. Escleroderma: consideraciones clínicas, radiográficas y terapéuticas. Enfoque multidisciplinario (English translation: Scleroderma: clinical, radiographic and therapeutic considerations. A multidisciplinary approach). *Práctica Odontológica Mexicana* 1992;13(3):13-16.
3. **González-Cabezas C**, Fontana M. Uso de fluoruro tópico en las cavidades como medida preventiva de caries secundaria (English translation: Uses of topical fluorides applied to cavities as a preventive measure for secondary caries). *Acta Odont Venez* 1993;31:55-58.
4. Fontana M, **González-Cabezas C**. Topical application of stannous fluoride inside of cavity preparations: A review of the literature. *Ind Dent Assoc J* 1995;Fall:22-24.
5. **González-Cabezas C**, Li Y, Noblitt TW, Gregory RL, Kafrawy AH, Stookey GK. Detection of mutans streptococci in secondary carious lesions using immunofluorescent techniques and confocal laser scanning microscope. *Caries Res* 1995;29:198-203.
6. **González-Cabezas C**, Fontana M, Dunipace AJ, Li Y, Fischer GM, Proskin, HM, Stookey GK. Measurement of enamel remineralization using microradiography and confocal microscopy. A correlational study. *Caries Res* 1998;32:385-92.
7. Fontana M, **González-Cabezas C**, Wilson M, & Appert C. In vitro evaluation of a “smart” dental material for its efficacy in preventing secondary caries using a microbial artificial mouth model. *Am J Dent* 1999;12:S8-S9.
8. Eggertsson H, Analoui M, van der Veen MH, **González-Cabezas C**, Eckert GJ, Stookey G. Detection of early interproximal caries in vitro using laser fluorescence, dye-enhanced laser fluorescence, and direct visual examination. *Caries Res* 1999;33(2):227-233.
9. **González-Cabezas C**, Li Y, Gregory RL, Stookey GK. Distribution of three cariogenic bacteria in secondary carious lesions around amalgam restorations. *Caries Res* 1999;33:357-365.
10. Stookey GK, Isaacs RL, Ferreira Zandoná AG, Ando M, **González C**, Mau MS, Kelly SA, Analoui M. Clinical validation of the use of fluorescence for the early detection of dental caries. In Featherstone JDB, Rechmann P, Fried D, and Katzir A (eds): *Proceedings in Lasers in Dentistry V* (vol 3593). Bellingham, Wash., SPIE—The International Society for Optical Engineering, 1999, pp 154-157.
11. Fontana M, **González-Cabezas C**, Stookey G. QLF monitoring of therapies for early secondary caries arrestment and remineralization. *Proceedings of the Society for Photo-Optical Instrumentation Engineers: Progress in Biomedical Optics, Lasers in Dentistry VI* 2000;1(4):261-268.
12. Fontana M, **González-Cabezas C**. Secondary caries and restoration replacement. An unresolved problem in dentistry. *Compendium* 2000;21(1):15-30.
13. Stookey GK, **González-Cabezas C**. Emerging methods of caries diagnosis. *J Dent Ed* 2001;65(10):1001-1006.



14. Platt JA, Almeida J, **González-Cabezas C**, Rhodes B, Moore BK. The effect of double adhesive application on the shear bond strength to dentin of one-bottle adhesive systems. *Oper Dent* 2001;26(3):313-317.
15. Fontana M, **González-Cabezas C**, Wilson ME, Stookey GK. Inhibition of secondary caries lesion progression using a fluoride varnish. *Caries Res* 2002;36:129-135.
16. **González-Cabezas C**, Li Y, Gregory RL, Stookey GK. Distribution of cariogenic bacteria in carious lesions around tooth-colored restorations. *Am J Dent* 2002;15:248-51.
17. **González-Cabezas C**, Fontana M, Gomes-Moosbauer D, Stookey GK. Early detection of secondary caries using quantitative light-induced fluorescence. *Oper Dent* 2003;28(4):415-422.
18. Schemehorn B, **González-Cabezas C**, Joiner A. A SEM evaluation of a 6% peroxide tooth whitening gel on dental materials in vitro. *J Dent* 2004;32:27-34.
19. Ando M, **González-Cabezas C**, Isaacs RL, Eckert GJ, Stookey GK. Evaluation of several techniques for the detection of secondary caries adjacent to amalgam restorations. *Caries Res* 2004;38:350-356.
20. Sá L, **González-Cabezas C**, Cochran M, Matis B, Fontana M, Moore K. Fluoride-releasing materials: Their anti-cariogenic properties tested in in vitro caries microbial models. *Oper Dent* 2004;29(5):524-31.
21. Fontana M, Haider A, **González-Cabezas C**. Caries lesion development and biofilm composition responses to varying incubation times and sucrose exposures. *Biofilms* 2004;1:229-37.
22. Hara AT, Ando M, Cury JA, Serra MC, **González-Cabezas C**, Zero DT. Influence of the organic matrix on root dentine erosion by citric acid. *Caries Res* 2005;39:134-138.
23. Hara AT, Turssi CP, Ando M, **González-Cabezas C**, Zero DT, Rodrigues AL Jr, Serra MC, Cury JA. Influence of fluoride-releasing restorative material on root dentine secondary caries in situ. *Caries Res* 2006;40(5):435-439.
24. Hara AT, Ando M, **González-Cabezas C**, Cury JA, Serra MC, Zero DT. Protective effect of the dental pellicle against erosive challenges in situ. *J Dent Res* 2006 85(7):612-6.
25. Zero DT, Hara AT, Kelly SA, **González-Cabezas C**. Evaluation of a desensitizing test dentifrice using an in situ erosion remineralization model. *J Clin Dent* 2006;17:112-116.
26. Metz MJ, Cochran MA, Matis BA, **Gonzalez C**, Platt JA, Lund MR. Clinical evaluation of 15% carbamide peroxide on the surface microhardness and shear bond strength of human enamel. *Oper Dent* 2007;32(5):427-436.
27. Totiam P, **González-Cabezas C**, Fontana M, Zero DT. A new in vitro model to study the relationship of gap size and secondary caries. *Caries Res* 2007;41:467-473.
28. Thneibat A, Fontana M, Cochran MA, **Gonzalez-Cabezas C**, Moore BK, Matis BA, Lund MR. Anticariogenic and antibacterial properties of a copper varnish using an in vitro microbial caries model. *Oper Dent* 2008;33(2):142-8.
29. Hara AT, **González-Cabezas C**, Creeth J, Zero DT. The effect of human saliva substitutes in an erosion-abrasion cycling model. *Eur J Oral Sci* 2008;116:552-556.
30. Hughes N, Mason S, Creeth J, Parmar M, Hara AT, **González-Cabezas C**. The effect of anti-sensitivity dentifrices on brushing abrasion of eroded dentin in vitro. *J Clin Dent* 2008;19:143-146.

31. Hara AT, Kelly SA, **González-Cabezas C**, Eckert GJ, Barlow AP, Mason SC, Zero DT. Influence of fluoride availability of dentifrices on eroded enamel remineralization in situ. *Caries Res* 2009;43:57-63.
32. Hara AT, **González-Cabezas C**, Creeth J, Parmar M, Eckert GJ, Zero DT. Interplay between fluoride and abrasivity of dentifrices on dental erosion–abrasion, *J Dent* 2009; 37(10):781-5.
33. Zero DT, Fontana M, Martínez-Mier EA, Ferreira-Zandoná A, Ando M, **González-Cabezas C**, Bayne S. The biology, prevention, diagnosis and treatment of dental caries. *JADA* 2009;140;9:25S-35S.
34. Zero DT, Creeth JE, Bosma ML, Butler A, Guibert RG, Karwal R, Lynch RJM, Martínez-Mier EA, **González-Cabezas C**, Kelly SA. The effect of brushing time and dentifrice quantity on fluoride delivery in vivo and enamel surface microhardness in situ. *Caries Res* 2010;44:90-100.
35. **González-Cabezas C**. The Chemistry of Caries: Remineralization and Demineralization Events with Direct Clinical Relevance. *Dental Clinics of North America* 2010;54:469-478.
36. Behnan SM, Arruda AO, Sohn W, **González-Cabezas C**, Peters MC. In-vitro evaluation of various treatments to prevent demineralization next to orthodontic. *Am J Orthod Dentofacial Orthop* 2010;138:712.e1-712.e7.
37. Chapman JA, Roberts WE, Eckert GJ, Kula KS, González-Cabezas C. Risk factors for incidence and severity of white spot lesions during treatment with fixed orthodontic appliances. *Am J Orthod Dentofacial Orthop.* 2010 Aug;138(2):188-94.
38. Pereira CP, Eggertsson H, **González-Cabezas C**, Zero DT, Eckert GJ, Mialhe FL. Quantitative light-induced fluorescence (QLF) in relation to other technologies and conventional methods for detecting occlusal caries in permanent teeth. *Braz J Oral Sci* 2011;10(1):27-32.
39. Churchley D, Lynch RJ, Lippert F, Eder JS, Alton J, **González-Cabezas C**. Terahertz pulsed imaging study to assess remineralization of artificial caries lesions. *J Biomed Opt.* 2011 Feb;16(2):026001.
40. Van der Weijden FA, Campbell SL, Dörfer CE, **González-Cabezas C**, Slot DE. Safety of oscillating-rotating powered brushes compared to manual toothbrushes: a systematic review. *J Periodontol.* 2011 Jan;82(1):5-24.
41. Nassar H, **González-Cabezas C**. Effect of gap geometry on secondary caries in vitro. *Caries Res* 2011;45:346–352.
42. **González-Cabezas C**, Jiang H, Fontana M, Eckert G. Effect of low pH on surface rehardening efficacy of high concentration fluoride treatments on non-cavitated lesions. *J of Dentistry* 2012;40:522-6.
43. Fontana, **González-Cabezas C**. Are we ready for definitive clinical guidelines on xylitol/polyol use? *Adv Dent Res* 2012;24(2):123-8.
44. McCarlie VW, Hartsfield Jr. JK, Blum JS, **González-Cabezas C**, Chin JR, Eckert GJ, Morford L, Pescovitz M, Rodriguez H, Fontana M, Gregory RL. Total IgA and IgA reactivity to antigen I/II epitopes in HLA-DRB1\*04 positive subjects. *Open J Immunology.* *Open J Immunol* 2013;3(3):82-92.
45. Holtzman JS, Ballantine J, Fontana M, Wang A, Calantog A, Benavides E, **Gonzalez-Cabezas C**, Chen Z, Wilder-Smith P. Assessment of early occlusal caries pre- and post-sealant application – an imaging approach. *Lasers Surg Med.* 2014;46(6):499-507.

46. Fontana M, Platt JA, Eckert GJ, González-Cabezas C, Yoder K, Zero DT, Ando M, Soto-Rojas AE, Peters MC. Monitoring of sound and carious surfaces under sealants over 44 months. *J Dent Res* 2014;93(11):1070-5.
47. Fujawa D, Tyus J, Cooper J, Dzingle J, Kapila S, Eber R, **Gonzalez-Cabezas C**, Ndege PK, Peck M, Peck S, Kapila Y. Oral health status of children in rural schools in Kithoka, Kenya. *OHDM* 2014;13(4).
48. Fernandez Gonzalez C, **Gonzalez-Cabezas C**. Fluoride's role in caries prevention. *Dimensions of Dent Hyg.* 2015;13(3):18-25.
49. Lee S-B, **Gonzalez-Cabezas C**, Kim K-M, Kim K-N, Kuroda K. Catechol-functionalized synthetic polymer as a dental adhesive to contaminated dentin surface for a composite restoration. *Biomacromolecules*; 2015. DOI: 10.1021/acs.biomac.5b00451.
50. **Gonzalez-Cabezas C**, Anderson OS, Wright MC, Fontana M. Exam questions developed by students are associated with higher cognitive levels of learning. *J of Dent Educ.* 2015;79(11):1295-1304.
51. Diniz MB, Eckert GJ, **González-Cabezas C**, Cordeiro RC, Ferreira-Zandona AG. Caries detection around restorations using ICDAS and optical devices. *J Esthet Restor Dent.* 2016 Mar-Apr;28(2):110-21. doi: 10.1111/jerd.12183. Epub 2016 Mar 7.
52. Fernandez Gonzalez C, Fontana M, Samarian D, Cury J, Rickard A, **Gonzalez-Cabezas C**. Effect of fluoride containing toothpastes on enamel demineralization and *S. mutans* biofilm architecture. *Caries Research* 2016;50:151–8.
53. Creeth JE, Kelly SA, **Gonzalez-Cabezas C**, Karwa R, Martinez-Mier EA, Lynch RJM, Bosma ML, Zero DT. Effect of toothbrushing duration and dentifrice quantity on enamel remineralization: an in situ randomized clinical trial. *J Dent* 2016;55:61-67.
54. Fernandez Gonzalez C, Aspiras M, Dodds M, **Gonzalez-Cabezas C**, Rickard A. The effect of inoculum source and fluid shear force on the development of in vitro oral multi-species biofilms. *J Appl Microbiol* 2017;122(3):796-808.
55. Al Dehailan L, Lippert F, **Gonzalez-Cabezas C**, Eckert GJ, Martinez-Mier EA. Fluoride concentration in saliva and biofilm fluid following the application of three fluoride varnishes. *J Dent* 2017;60:87-93.
56. Fontana M, **Gonzalez-Cabezas C**, de Peralta T, Johnsen DC. Dental education required for the changing health care environment. *J Dent Educ* 2017; Aug Supp.:eS153-61.
57. **Gonzalez-Cabezas C**, Fernández CE. Recent advances in remineralization therapies for caries lesions. *Adv Dent Res* 2018;29(1):55-59.
58. Chatzistavrou X, Lefkelidou A, Papadopoulou L, Pavlidou E, Paraskevopoulos KM, Fenno JC, Flannagan S, **González-Cabezas C**, Kotsanos N, Papagerakis P. Bactericidal and bioactive dental composites: Long term properties. *Frontiers in Physiology* 2018;February (doi:10.3389/fphys.2018.00103).
59. Downey D, Dennison JB, Eckert GJ, Flannagan S, Neiva GF, Yaman P, **González-Cabezas C**. Fluoride levels in unstimulated whole saliva following clinical application of different 5% NaF Varnishes. *Caries Res* 2018;52:431–8 (DOI:10.1159/000485981).
60. Fernández CE, Aspiras M, Dodds MW, **González-Cabezas C**, Rickard AH. Combinatorial effect of magnolia bark extract and ethyl lauroyl arginate against multi-species oral biofilms: food additives with the potential to prevent biofilm-related oral diseases. *Journal of Functional Foods* 2018;47:58-55.
61. Martinez-Mier E, Tenuta L, Carey C, Cury J, van Loveren C, Ekstrand K, Ganss C, Schulte A, Baig A, Benzian H, Bottenberg P, Buijs M, Ceresa A, Carvalho JC, Ellwood

- R, **Gonzalez-Cabezas C**, Holmgren C, Knapp M, Lippert F, Joiner A, Manton D, Martignon S, Mason S, Jablonski-Momeni A, Plett W, Rahiotis C, bio Sampaio F, Zero D. ORCA Workshop: Methodology for Determination of Potentially Available Fluoride in Toothpastes. *Caries Research* 2018;53:119-36.
62. Algarni AA, Ungar PS, Lippert F, Martinez-Mier EA, Eckert GJ, **González-Cabezas C**, Hara AT. Trend-analysis of dental hard-tissue conditions as function of tooth age. *J Dent* 2018;74:107-112.
  63. Luo T, Eisenberg M, Hayashi M, **Gonzalez-Cabezas C**, Foxman B, Marrs C, Rickard A. A Sensitive Thresholding Method for Confocal Laser Scanning Microscope Image Stacks of Microbial Biofilms. *Sci Rep* 2018;8:13013. DOI:10.1038/s41598-018-31012-5.
  64. Al-Angari SS, Lippert F, Platt JA, Eckert GJ, **González-Cabezas C**, Li Y, Hara AT. Bleaching of Simulated Stained-Remineralized Caries Lesions In Vitro. *Clin Oral Invest* 2019;23(4):1785-1792.
  65. Fontana M, **González-Cabezas C**. Evidence-Based Dentistry Caries Risk Assessment and Disease Management. *Dental Clinics of North America* 2019;63:469-478. Volume 63:119-128.
  66. Luo TL, Hayashi M, Zsiska M, Circello B, Eisenberg M, **Gonzalez-Cabezas C**, Foxman B, Marrs CF, Rickard AH. Introducing BAIT (Biofilm Architecture Inference Tool): A Software Program to Evaluate the Architecture of Oral Multi-Species Biofilms. *Microbiology* 2019 May;165(5):527-537.
  67. Al-Angari SS, Lippert F, Platt JA, Eckert GJ, **Gonzalez-Cabezas C**, Li Y, Hara AT. Dental Bleaching Efficacy and Impact on Demineralization Susceptibility of Simulated Stained-Remineralized Caries Lesions. *J Dentistry* 2019;81:59-63.
  68. Alghilan MA, Lippert F, Platt JA, Eckert GJ, **Gonzalez-Cabezas C**, Fried D, Hara AT. Impact of Surface Micromorphology and Demineralization Severity on Enamel Loss Measurements by Cross-Polarization Optical Coherence Tomography. *J Dentistry* 2019;81:52-8.
  69. Sulaiman Ghandourah B, Lefkelidou A, Said R, Chatzistavrou X, Flannagan S, **González-Cabezas C**, Fenno CJ, Zheng L, Papagerakis S, Papagerakis P. In Vitro Caries Models for the Assessment of Novel Restorative Materials. *Methods Mol Biol*. 2019;1922:369-377.
  70. Coplen AE, Branco da Costa J, Drukteinis SE, Everett RJ, **González-Cabezas C**, Younai FS. Should dental schools consider term limits for deans? Two viewpoints. *J Dental Education* 2019; September 019.159; DOI: <https://doi.org/10.21815/JDE.019.159>
  71. Foxman B, Kolderman E, Salzman E, Cronenwett A, **Gonzalez-Cabezas C**, Neiswanger K, Marazita ML. Primary teeth microhardness and lead (Pb) levels. *Heliyon* 2019;24;5(4):e01551.
  72. Alghilan MA, Lippert F, Platt JA, **Gonzalez-Cabezas C**, Fried D, Eckert GJ, Hara AT. In vitro Longitudinal Evaluation of Enamel Wear by Cross-polarization Optical Coherence Tomography. *Dental Materials* 2019;35(10):1464-70.
  73. Fontana M, Fernandez C, **Gonzalez-Cabezas C**. Minimum Intervention Dentistry in the U.S.: An Update from a Cariology Perspective. *Brit Dent J* 2020. In Press.
  74. Alwadai GS, Roberts G, Ungar P, **Gonzalez-Cabezas C**, Lippert F, Diefenderfer KE, Eckert GJ, Hara AT. Monitoring of Simulated Occlusal Tooth Wear by Objective Outcome Measures. *J Dent* 2020. In Press.

### Published Articles in non-peer reviewed journals

1. **González-Cabezas C**, Fontana M, Stookey GK. Measurement of mineral gain and loss on dental enamel and dentin using confocal microscopy. *Methods of enzymology* 1999;307:485-496.
2. Zero DT, **González-Cabezas C**, Fontana M. Oral factors to consider that influence restorative treatment. In: *The changing practice of restorative dentistry*. Ed. S. Duke. 2001: 87-103.
3. **González-Cabezas C**. Fluorides and Caries Decline, Symposium in Orlando, Florida on March 9, 2006: introduction. *Adv Dent Res*. 2008;20(1):2.
4. **González-Cabezas C**. Determination of the Abrasivity of Dentifrices on Human Dentin Using the Radioactive (also known as Relative) Dentin Abrasion (RDA) Method. *J Clin Dent* 2011;21(S):S9-S10.
5. **González-Cabezas C**. La química de la caries: Actos de Remineralización y Desmineralización con relevancia clínica directa. *Maxillaris* 2011;144:100-14 (translation of article published in *Dental Clinics of North America* 2010).
6. Fontana M, **González-Cabezas C**. Changing paradigm: a different view of caries lesions. *Compend Contin Educ Dent*. 2011 Nov-Dec;32 Spec No 4:24, 26-7.
7. Fontana M, **González-Cabezas C**. Evaluation du risque carieux chez l'adulte. *Réalités Cliniques*. 2011;22; 3:213-19.
8. **González-Cabezas C**. Balancing act. *Dimens Oral Hygiene* 2012;10(3):46-8.
9. Fontana M, **González-Cabezas C**. Minimal intervention dentistry: part 2. Caries risk assessment in adults. *Br Dent J* 2012;213:447-51.
10. Fontana M, **González-Cabezas C**, Fitzgerald M. Cariology for the 21st Century-current caries management concepts for dental practice. *Michigan Dental Association* 2013;April:32-40.
11. Fontana M, **González-Cabezas C**. Exploring your technology options for detection of caries lesions. *Inside dentistry*. *Inside Dentistry* 2013; March:2-5.
12. Fontana M, **González-Cabezas C**. Noninvasive Caries Risk-based Management in Private Practice Settings May Lead to Reduced Caries Experience Over Time. *J Evid Based Dent Pract*. 2016;16(4):239-242.
13. Giacaman RA, Aranguiz V, Botelho J, Bustos I, Cabello R, Candiales Y, Carrizo AM, Carvajal C, Castro R, Castro R, Díaz J, Díaz M, Díaz M, Diaz N, Durán G, Faleiros S, Flores M, Fonseca J, Fontana M, Gajardo M, Gómez M, **Gonzalez-Cabezas C**, González S, Irribarra R, Jara G, León S, Marró L, Mautz C, Mustakis A, Onetto JE, Ortiz ME, Pérez D, Pérez V, Ramírez V, Rodríguez G, Rojas V, Ruiz B, Silva A, Urzúa I, del Valle C, Zaror C, Moncada G. Creation of a Competence Curriculum in Cariology for Undergraduate Students of Dentistry in Chile. *Rev. Clin. Periodoncia Implantol. Rehabil. Oral (PIRO)* 2018;11(1):58-68.
14. Fontana M, **González-Cabezas C**, Karl E, Tenuta L, Yanca E, Flannagan S, Pitts E, Riaz M, McEachern M. Silver diamine fluoride research study welcomes your participation. *J Michigan Dental Association* 2019;November:42-5.

### Book Chapters

1. Fontana M, Yanikoglu FC, Ozturk F, Ando M, Hayran O, **González-Cabezas C**, Haider A, Baldrige L-A, Stookey GK. Comparison of QLF, ultrasound and confocal microscopy in the measurement of demineralization/remineralization of enamel lesions developed on natural smooth surfaces. In: *Early Detection of Dental Caries II*. Ed. GK Stookey. 2000:301-316.
2. **González-Cabezas C**, Fontana M, Gomes-Moosbauer D, Ando M, Analoui M, Stookey GK. Comparative studies of several methods for the early detection of secondary caries. In: *Early Detection of Dental Caries II*. Ed. GK Stookey. 2000:317-342.
3. Zero DT, **González-Cabezas C**, Fontana M. Oral factors to consider that influence restorative treatment. In: *The changing practice of restorative dentistry*. Ed. S. Duke. 2001: 87-103.
4. **González-Cabezas C**, Fontana M. Current research using new technologies for the detection and monitoring of secondary caries. In: *Early detection of dental caries II*. Ed. GK Stookey. 2003:347-362.
5. Eggertsson H, Ferreira-Zandoná AG, Ando M, **González-Cabezas C**, Fontana M, Martínez-Mier EA, Waskow-Chin JR, Jackson RD, Eckert GJ, Stookey GK, Zero DT. Reproducibility of in vitro and clinical examinations with QLF (Quantitative Light-induced Fluorescence). Developing guidelines for imaging and analyzing QLF- images, and a process for training examiners. In: *Early detection of dental caries II*. Ed. GK Stookey. 2003:213-28.
6. Clarkson B, Fischman S, Maltz M, **González-Cabezas C**, Uemura M, Schulte A, Carvalho J, Acevedo AM, Schafer F, Chesters R, Elwood R. 2005 Indiana Conference Workshop Session: Chesters Model. In: *Clinical Models Workshop: Remin-Demin, Precavitation, Caries*. Ed. GK Stookey. 2005:259-261.
7. Arruda AO, Behnan SM, Richter AE, Peters MC, Sohn W, **González-Cabezas C**. White-spot lesions in orthodontics: A drawback of the specialty. Craniofacial Growth Series, Monograph 47, Moyers Symposium, 2009.
8. Matis BA, **González-Cabezas C**, Cochran MA. Diagnosis and treatment of root caries. In: *Fundamentals of Operative Dentistry, 4<sup>th</sup> Edition*. Editor Summitt JB et al. 2013.
9. **González-Cabezas C**, Hara A, Hefferren J, Lippert F. Abrasivity testing of dentifrices – challenges and current state of the art. *Monogr Oral Sci*. 2013;23:100-7. doi: 10.1159/000350476. Epub 2013 Jun 28.
10. Nesbit SP, **González-Cabezas C**, Reside J, Moretti A, Tawil PZ, Boushell LW, Gerds G, Lim PF. Chapter: Disease control phase of treatment. Book: *Diagnosis and Treatment Planning in Dentistry, Third Edition*. Editors: Stefanac S and Nesbit SP. 2017
11. Fontana M, Karimbux NY, **González-Cabezas C**, Kim DM, Dragan IF. Dental Caries and Gingival and Periodontal Infections. Book: *Pediatric Infectious Diseases: Essentials for Practice, 2nd edition*. Editors: Samir S. Shah, Alex Kemper, Adam J. Ratner. Publisher: McGraw-Hill Education, New York. 2018.
12. Tenuta LMA, Staun-Larsen L, Oliveira BH, Santos AP, **González-Cabezas C**. Fluoride: how much do we need it? In: Splieth C (ed.). *Revolutions in Preventive Dentistry*. Quintessence, 2020 (in press).

Published Abstracts (from poster and oral presentations) and Invited research seminars/lectures

1. **Gonzalez-Cabezas C.** Malnutrition and caries prevalence: possible relationship. *II Venezuelan Congress of Pediatric Dentistry Program* 1991: Abstract. [Caracas, Venezuela]
2. **Gonzalez-Cabezas C,** Fontana M, Aznar MA. Malnutrition epidemiological study and caries prevalence study in kindergarten children. *Acta Odont Venez* 1992;30:24.
3. Fontana M, **Gonzalez-Cabezas C,** Saavedra J. Effect of 0.2% NaF mouthrinses in kindergarten children. *Acta Odont Venez* 1992;30:26.
4. Rivera H; Fontana M; **Gonzalez-Cabezas C,** Tinoco PJ. Epidemiological study and histopathological analysis of malignant minor salivary gland tumors. *Acta Odont Venez* 1992;30:14.
5. **Gonzalez-Cabezas C,** Li Y, Noblitt TW, Gregory RL, Kafrawy AH, Stookey GK. Presence of Streptococcus mutans in secondary caries lesions. *J Dent Res* 1994;73:339.
6. **Gonzalez-Cabezas C,** Li Y, Noblitt TW, Gregory RL, Stookey GK. Detection of bacteria in secondary carious lesions using immunofluorescence and confocal microscopy. *J Dent Res* 1995;74:47.
7. Li Y, **Gonzalez-Cabezas C,** Leinfelder K, Stookey GK. Evaluation of tooth/bonding material interfaces using confocal microscopy. *J Dent Res* 1996;75:397.
8. Fontana M, **Gonzalez-Cabezas C,** Li Y, Fischer G, Dunipace AJ. Measurement of enamel remineralization using microradiography and confocal microscopy. *J Dent Res* 1996;75:304.
9. **Gonzalez-Cabezas C,** Li Y, Noblitt TW, Gregory RL, Stookey GK. Cariogenic bacterium detection in secondary carious lesions using immunofluorescence and confocal microscopy techniques. *J Dent Res* 1996;75:1321.
10. Eggertsson H, Analoui M, van der Veen MH, **Gonzalez-Cabezas C,** Eckert GJ, Stookey GK. Detection of early interproximal caries in vitro using laser fluorescence, dye-enhanced laser fluorescence, and direct visual examination. *Proceedings of the First Annual Indiana Conference.* Editor George K. Stookey. 1996:339-340.
11. **Gonzalez-Cabezas C,** Li Y, Gregory RL, Stookey GK. Distribution of cariogenic bacteria in primary dental carious lesions on tooth smooth surfaces. *Cell Vision* 1997;4(2):108. [International conference on 3D image processing in microscopy and confocal microscopy 1997]
12. **Gonzalez-Cabezas C,** Li Y, Gregory RL, Stookey GK. Distribution of cariogenic bacteria in secondary carious lesions around amalgam restorations. *J Dent Res* 1997;76:93.
13. Love M, **Gonzalez-Cabezas C,** Li Y, McDonald J, Olson B. Nicotine effects on the nuclear volume of periodontal ligament fibroblasts. *J Dent Res* 1997;76:235.
14. **Gonzalez-Cabezas C,** Li Y, Gregory RL, Stookey GK. Distribution of cariogenic bacteria in secondary carious lesions around composite resin restorations. *Caries Res* 1998;32:301.
15. Fontana M, Wilson ME, **Gonzalez-Cabezas C,** Stookey GK. Evaluation of caries inhibition using an in vitro microbial model. *Caries Res* 1998;32:298.
16. Eggertsson H, **Gonzalez-Cabezas C,** Analoui M, Stookey GK. Induction of artificial lesions on natural tooth surfaces with carbopol solutions. *J Dent Res* 1998;77:1339.
17. **Gonzalez-Cabezas C,** Fontana M, Wilson ME, Stookey GK. Development of early carious lesions on natural enamel surfaces. *J Dent Res* 1998;77:782.

18. Fontana M, Wilson ME, **Gonzalez-Cabezas C**, Stookey GK. Caries inhibition evaluation using an in vitro microbial model. *J Dent Res* 1998;77:782.
19. **Gonzalez-Cabezas C**, Fontana M, Wilson ME, Gomes D, Stookey GK. Measurement of enamel mineral changes using enamel autofluorescence and confocal microscopy. *J Dent Res* 1998;77:116.
20. Fontana M, **Gonzalez-Cabezas C**, Stookey GK. An vitro microbial model for early primary caries prevention. *J Dent Res* 1998;77:137.
21. Yang L, Fontana M, Gregory RL, Wilson ME, **Gonzalez-Cabezas C**, Stookey GK. Secondary caries formation: Streptococcus mutans fluoride resistant and sensitive strains. *J Dent Res* 1998;77:138.
22. Hart S, **Gonzalez-Cabezas C**, Fontana M, Wilson ME, Stookey GK. Measurement of root dentin demineralization using microradiography and confocal microscopy. *J Dent Res* 1998;77:247.
23. Austin MS, Fontana M, **Gonzalez-Cabezas C**, Wilson ME, Stookey GK. An in vitro microbial model for studying root caries formation. *J Dent Res* 1998;77:247.
24. Fontana M, Dunipace AJ, Gregory RL, **Gonzalez-Cabezas C**, Wilson ME, Stookey GK. Secondary around different materials: Microbial model study. *J Dent Res* 1998;77:282.
25. Fontana M, Dunipace AJ, **Gonzalez-Cabezas C**, Stookey GK, Gregory RL. In vitro microbial caries model: Streptococcus mutans laboratory strain vs. a clinical isolate. *Caries Res* 1999;33:289.
26. **Gonzalez-Cabezas C**, Fontana M, Johnson RS, Wilson ME, Fontana CE, Stookey GK. Evaluation of different varnishes in the prevention of secondary caries. *Caries Res* 1999;33:304.
27. Wells J, **Gonzalez-Cabezas C**, Miller C. Scanning electron microscope monitoring of a dental unit waterline biofilm formation model. Proceedings of *Scanning 99* 1999;21:109.
28. **Gonzalez-Cabezas C**, Fontana M, Wilson ME, Stookey GK. Measurement of root dentin remineralization using confocal microscopy. *J Dent Res* 1999;78:108.
29. Oliveira JPP, **Gonzalez-Cabezas C**, Zottis LH, Fortuna CR, Fontana M, Stookey GK. Placement/replacement of restorations in private practice: Porto Alegre, Brazil. *J Dent Res* 1999;78:496.
30. Ando M, Schemehorn B, **Gonzalez-Cabezas C**, Fontana M, Wilson ME, Stookey GK. Influence of disinfection or sterilization on demineralized natural enamel surfaces. *J Dent Res* 1999;78:410.
31. Fontana M, **Gonzalez-Cabezas C**, Dunipace, AJ, Wilson ME, Sordelli A, Stookey GK. Remineralization pattern of caries developed on natural and polished surfaces. *J Dent Res* 1999;78:410.
32. Fontana M, Gregory RL, Dunipace AJ, Wilson ME, **Gonzalez-Cabezas C**, Stookey GK. In vitro .microbial caries model: Role of salivary pellicle. *J Dent Res* 1999;78:334.
33. **Gonzalez-Cabezas C**, Dunn E, Ando M, Eggertsson H, Gomes D, Fontana M, Eckert GJ, Stookey GK. Early detection of root surface caries. *Light in Dentistry Symposium Proceedings* 2000. [Groningen, The Netherlands]
34. **Gonzalez-Cabezas C**, Dunn E, Hervas JM, Fontana M, Stookey GK. Measurement of early dentin lesions using QLF. *Caries Res* 2000;34:328.
35. Fontana M, **Gonzalez-Cabezas C**, Haider A, Wilson ME, Sordelli A, Stookey GK. Inhibition of secondary caries around freshly placed, fluoride-releasing dental materials. *Caries Res* 2000;34:340.



36. **Gonzalez-Cabezas C**, Fontana M, Gomes-Moosbauer D, Ando M, Analoui M, Stookey GK. Comparative studies of several methods for the early detection of secondary caries. In: *Early detection of dental caries II*. Ed. GK Stookey. 2000:317-342.
37. **Gonzalez-Cabezas C**, Gomes-Moosbauer D, Fontana M. Detection and measurement of fluorescence changes in secondary caries lesions around composite restorations. In: *Early detection of dental caries II*. Ed. GK Stookey. 2000:463-464.
38. **Gonzalez-Cabezas C**, Dunn E, Fontana M. Measurement of fluorescence change in incipient dentin demineralization. In: *Early detection of dental caries II*. Ed. GK Stookey. 2000:461-462.
39. **Gonzalez-Cabezas C**, Oliveira JPP, González-Cabezas JV, Fontana M, Stookey GK. Clinical detection of caries underneath dental restorations. In: *Early detection of dental caries II*. Ed. GK Stookey. 2000:437-438. Poster/Oral 2009ation.
40. **Gonzalez-Cabezas C**, Hervas JM, Gomes-Moosbauer D, Fontana M, Stookey GK. QLF monitoring of secondary caries around composite restorations over time. *J Dent Res* 2000;79:384.
41. **Gonzalez-Cabezas C**, Fontana M, Gomes-Moosbauer D, Haider A, Baldrige LA, Stookey GK. Evaluation of different varnishes in the prevention of secondary caries. *J Dent Res* 2000;79:209.
42. Erickson J, Fontana M, **Gonzalez-Cabezas C**. Effect of drying time on confocal analysis of tooth specimens. *J Dent Res* 2000;79:557.
43. Fontana M, **Gonzalez-Cabezas C**, Wilson ME, Stookey GK. Inhibition of secondary carious lesion progression with a fluoride varnish. *J Dent Res* 2000;79:210.
44. Sordelli AE, Gregory RL, **Gonzalez-Cabezas C**, Fontana M. In vitro adherence of *Streptococcus mutans* to root surfaces. *J Dent Res* 2000;79:226.
45. Ando M, **Gonzalez-Cabezas C**, Isaacs R, Eggertsson H, Eckert GJ, Stookey GK. Evaluation of several methods for the detection of secondary caries. *J Dent Res* 2000;79:384.
46. **Gonzalez-Cabezas C**, Aliaga P, Hervas JM, Ponce A, Sandoval M, Fontana M, Stookey GK. Placement/replacement of restorations in a dental school at Ecuador. *J Dent Res* 2001;80:38.
47. Fontana M, **Gonzalez-Cabezas C**, Haider A, Hervas JM, Stookey GK. Inhibition of secondary caries around aged, fluoride-releasing materials. *J Dent Res* 2001;80:75.
48. Jaret M, Haider A, **Gonzalez-Cabezas C**, Fontana M. Inhibition of secondary caries root lesions progression with different varnishes. *J Dent Res* 2001;80:75.
49. Dunn E, **Gonzalez-Cabezas C**, Ando M, Eggertsson H, Gomes D, Fontana M, Eckert GJ, Stookey GK. Evaluation of several methods for the detection of root caries. *J Dent Res* 2001;80:118.
50. Toro M, Fontana M, **Gonzalez-Cabezas C**. Measurement of natural root surface mineral changes using confocal microscopy. *J Dent Res* 2001;80:675.
51. **Gonzalez-Cabezas C**, Dunn E, Ando M, Eggertsson H, Eckert GJ, Fontana M, Stookey GK. Detection of small carious lesions on root surfaces of extracted teeth. *Caries Res* 2001;35:280.
52. Pereira AC, Eggertsson H, Martinez-Mier, **Gonzalez-Cabezas C**, Eckert GJ, Zero D. Comparison of methods used for dental caries diagnostic methods: a different approach. *Caries Res* 2001;35:282.

53. Fontana M, **Gonzalez-Cabezas C**, Haider A, Khan F, Stookey GK. Fluoride varnish effect on secondary caries progression. *Proceedings of Annual Meeting of the Hispanic Dental Association* 2002.
54. Platt JA, Duke ES, Fontana M, **Gonzalez-Cabezas C**, Haider A, Häberlein I. Microbial evaluation of a caries risk impression material. *Proceedings of Annual Meeting of the Hispanic Dental Association* 2002.
55. Platt JA, Fontana M, Duke ES, **Gonzalez-Cabezas C**, Haider A, Häberlein I. Microbial Evaluation of a Caries Risk Impression Material. *J Dent Res* 2002;81:425, Abstr 3450.
56. Fontana M, **Gonzalez-Cabezas C**, Haider A, Khan F, Stookey GK. Fluoride varnish effect on secondary caries progression. *J Dent Res* 2002;81: Abstr 148.
57. Eggertsson H, Ando M, Ferreira-Zandoná AG, **Gonzalez-Cabezas C**, Fontana M, Martinez-Mier EA, Jackson RD, Krushinski CA, Crawford J, Morgan DS, Stookey GK, Zero DT. Variation of image acquisition and image analysis using QLF in vitro. *Caries Res* 2002;36:191.
58. **Gonzalez-Cabezas C**, Ando M, Cochran MA, Eckert GJ, Fontana M, Eckert GJ, Ferreira-Zandoná A, Franco MA. Detection of early secondary caries lesions around amalgam and composite resin restorations. *J Dent Res* 2003;82, :Abstr 104.
59. Toro MJ, **Gonzalez-Cabezas C**. Development of a model to study dentin demineralization. *J Dent Res* 2003;82: Abstr 330.
60. Eggertsson H, Ferreira-Zandoná A, Ando M, **Gonzalez-Cabezas C**, Martínez-Mier, Waskow JR, Eckert GJ, Zero DT. Clinical repeatability of QLF using multiple examiners. *J Dent Res* 2003;82: Abstr 102.
61. Fontana M, Al-Helal A, **Gonzalez-Cabezas C**, Eckert GJ, Wefel JS. Measurement of Carious Lesions using Polarized Light and Confocal Microcopy. *J Dent Res* 2003;82: Abstr 331.
62. Sá L, **Gonzalez-Cabezas C**, Cochran M, Matis B, Fontana M, Moore K. Fluoride-releasing materials and their anti-cariogenic properties tested in an in vitro microbial model. *J Dent Res* 2003;82: Abstr 332.
63. Toro M, Gonzalez-Cabezas C. Model to assess the efficacy of root caries preventive products. *J Dent Res* 2003;82:136, Abstr 988.
64. Gonzalez-Cabezas C, Fontana M, Eckert GJ, Stookey GK, Wefel JS. Early detection and monitoring of secondary caries around amalgam, composite and glass ionomer restorations. *J Dent Res* 2003;82:353, Abstr 2744.
65. Ando M, Eggertsson H, Zandoná A, Gonzalez-Cabezas C, Waskow J, Krushinski C, Stookey GK, Zero DT. Ability of quantitative light-induced fluorescence (QLF) to assess the status of white-spot lesions during dehydration. *Caries Res* 2003;37: Abstr 53.
66. Fontana M, **González-Cabezas C**, Haider A, Wefel JS, Eckert G, Stookey GK. Comparison of fluoride varnish and gels: inhibitory effect on secondary caries progression. *Caries Res* 2003;37: Abstr 133.
67. Häberlein I, Platt JA, Fontana M, Duke ES, **Gonzalez-Cabezas C**. Novel biochemical device for detection of caries processes on tooth surfaces. *J Dent Res* 2003;82:475, Abstr 49.
68. Toro M, Haider A, Yi K, Eckert GJ, **Gonzalez-Cabezas C**. Reproducibility of Confocal Microscopy in Root Caries Evaluation In Vitro. *J Dent Res* 2004;83: Abstr 748.

69. Fontana M, Wefel J, Haider A, Eckert GJ, Stookey GK, **Gonzalez-Cabezas C**. Fluoride Varnish and Chlorhexidine Gel Effect on Secondary Caries Progression. *J Dent Res* 2004;83: Abstr. 800.
70. Ando M, **Gonzalez-Cabezas C**, Stookey GK. Determination of Bacterial Invasion in Incipient Enamel Demineralization. *J Dent Res* 2004;83::Abstr 3448.
71. Fontana M, **Gonzalez-Cabezas C**. Caries lesion development and biofilm composition responses to varying incubation times and sucrose exposures. *Caries Res* 2004;38:385, Abstr 83.
72. Hara AT, Ando M, **Gonzalez-Cabezas C**, Cury JA, Serra MC, Zero DT. Protective effect of the acquired enamel pellicle against different erosive challenges in situ. *Caries Res* 2004;38:390, Abstr 97.
73. Toro MJ, Fontana M, Haider A, **Gonzalez-Cabezas C**. In vitro microbial root caries model to test the efficacy of preventive products. *Caries Res* 2004;38:401, Abstr 131.
74. Fontana M, Haider A, **Gonzalez-Cabezas C**. Caries lesion development and biofilm composition responses to varying incubation times and sucrose exposures. *Biocomplexity VI: Complex behavior in unicellular organisms* 2004.
75. **Gonzalez-Cabezas C**, Ando M, Yi K, Fontana M. Comparison of different methods for caries lesion measurement in vitro. *J Dent Res* 2005;84: Abstr 2056.
76. Totiam P, **Gonzalez-Cabezas C**, Fontana M, Zero DT. Effect of restoration-tooth gap size on wall lesion development. *J Dent Res* 2005;84: Abstr 2042.
77. McCants JB, Platt JA, Cochran M, Oshida Y, **Gonzalez-Cabezas C**, Matis B, Lund M. Bonding efficacy of different surface treatments of cervical sclerotic dentin. *J Dent Res* 2005;84: Abstr 2956.
78. Yousef M, Fontana M, **Gonzalez-Cabezas C**, Martínez-Mier A, Eckert G. Effects of topical fluoride and laser irradiation on caries inhibition. *J Dent Res* 2005;84: Abstr 839.
79. Fontana M, **Gonzalez-Cabezas C**, Haider A, Gregory RL, Zero DT. Anticariogenic effect of fluoride dentifrices exposed to different oral biofilms. *J Dent Res* 2005;84: Abstr 3265.
80. **Gonzalez-Cabezas C**, Haider A, Yi K, Totiam P, Stookey GK, Wefel JS, Fontana M. 1% chlorhexidine gel preventive effect on secondary caries. *Caries Res* 2005;39:322, Abstr 102.
81. Sá L, **Gonzalez-Cabezas C**, Moore BK. Effect of different surface treatments on fluoride release from two different fluoride-releasing restorative materials. *Caries Res* 2005;39:318, Abstr 90.
82. Fontana M, **Gonzalez-Cabezas C**, Haider A, Eckert GJ, Stookey GK, Wefel J. The effect of treatment order on secondary caries progression. *Caries Res* 2005;39:322, Abstr 103.
83. Totiam P, **Gonzalez-Cabezas C**, Fontana M, Zero DT. Effect of gap size on secondary caries development using a new in vitro gap-model stage. *Caries Res* 2005;39:319, Abstr 95.
84. Al-Shiha S, Ferreira Zandoná A, Eggertsson H., **Gonzalez-Cabezas C**, Eckert G. ICDAS criteria and experience: an in vitro study with histological validation. *J Dent Res* 2006;85: Abstr 13.
85. Totiam P, Fontana M, Zero D, **Gonzalez-Cabezas C**. Effect of different sugars on secondary caries development. *J Dent Res* 2006;85: Abstr 1551.

86. Malone JM, **Gonzalez-Cabezas C**. An in vitro incipient lesion study of teeth enamel for fluoride bioavailability and remineralization potential of different topical gels. *Indiana University Undergraduate Research Conference* 2006.
87. **Gonzalez-Cabezas C** and Ball TL. Evaluation of an alternative toothbrush for enamel/dentin radiotracer-abrasivity studies. *J Dent Res* 2007;86: Abstr 1737.
88. Donnelly KE, **Gonzalez-Cabezas C**. Effect of 5,000ppm-NaF on the surface-integrity of tooth-colored restorative materials. *J Dent Res* 2007;86: Abstr 0913.
89. Hunt A, Lippert F, **Gonzalez-Cabezas C**. Enamel Safety Study of an Experimental Tooth Whitening Formulation. *J Dent Res* 2007;86: Abstr 2824.
90. Hara AT, **Gonzalez-Cabezas C**, Zero DT. Evaluation of pH-stat to assess the erosive potential of beverages. *J Dent Res* 2007;86: Abstr 1033.
91. Lippert F, Buch MR, Gambogi RJ, Wetterer SM, **Gonzalez-Cabezas C**, Schemehorn BR. Investigations of time-dependent enamel fluoride uptake from fluoride dentifrices. *Caries Res* 2007;41:281, Abstr 38.
92. Hara AT, **Gonzalez-Cabezas C**, Zero DT. Test of human saliva substitutes in an erosion-abrasion cycling model. *Caries Res* 2007;41:306, Abstr 107.
93. Hara AT, Zero DT, Kelly SA, **Gonzalez-Cabezas C**, Eckert GJ, Barlow AP, Mason SC. Comparative evaluation of fluoridated toothpastes using an in situ erosion remineralization model. *Caries Res* 2007;41:314, Abstract 131.
94. Evaluation of laboratory methods to assess the performance of remineralizing therapies/materials-Keynote lecture at IADR session, 2008.
95. Karlinsey RL, Fontana MR, **González-Cabezas C**, Haider A, Stookey GK. Antimicrobial and anticariogenic effect of a unique nanomaterial on human enamel. *Caries Res* 2007;41:330, Abstract 177.
96. Smith T, Fontana M, **González-Cabezas C**. In-vitro remineralization effect of MI paste in enamel lesions. *J Dent Res* 2008;87: Abstr 0255.
97. Stump A, **González-Cabezas C**, Eckert GJ, Fontana M. The effects of magnification on caries detection. *J Dent Res* 2008;87: Abstr 0257.
98. Coleman E, **González-Cabezas C**, Catt D, Fontana M. The antimicrobial effect of a copper-containing sealant. *J Dent Res* 2008;87: Abstr 0259.
99. Fontana M, Ando M, Soto-Rojas AE, **González-Cabezas C**, Eckert GJ. Use of QLF in vitro to assess sealed caries lesions. *J Dent Res* 2008;87: Abstr 0899.
100. Ricci-Nittel D, Andreana S, **González-Cabezas C**, O'Bryan Eder J. Fluoride uptake in incipient enamel lesions from mouthrinse treatments. *J Dent Res* 2008;87: Abstr 1160.
101. Churchley D, Newby CS, Kearns S, **González-Cabezas C**. Electron probe microanalysis for imaging the fluoride distribution within incipient caries lesions. *Caries Res* 2008;42:233, Abstr 139.
102. **González-Cabezas C**. Evaluation of laboratory methods to assess the performance of remineralizing therapies/materials. Keynote lecture in the following session at IADR (Toronto, Canada): "DM VIII - Other Materials - Chemistry, Properties, Performance". IADR 2008.
103. **González-Cabezas C**. Abrasivity level of dentifrices – Is it relevant? Lunch and Learning at IADR (Miami Beach): IADR 2009.
104. Microbial Models in Secondary Caries Research – What are we modeling?-Symposium at IADR. 2009.

105. **González-Cabezas C**, Fontana M. Microbial models in secondary caries research – What are we modeling? Symposium in biological modeling of secondary caries at IADR (Miami Beach): IADR 2009.
106. Fontana M, Platt JA, Ando M, Soto A, Eckert GJ, Yoder KM, **González-Cabezas C**, Zero DT. Assessment of methods to measure caries in vivo under sealants. *J Dent Res* 2009;88(SI-A): Abstract. 1618.
107. Stump A, Fontana M, **González-Cabezas C**, Eckert GJ. The effect of magnification on caries detection. *J Dent Res* 2009;88(SI-A): Abstract. 3338.
108. Hirsch H, Fontana M, **González-Cabezas C**. In vitro enamel remineralization effect of different remineralizing products. *J Dent Res* 2009;88(SI-A): Abstract. 2045.
109. Behnan SM, Arruda AO, Hasson H, Sohn W, **González-Cabezas C**, Peters MC. In-vitro prevention of incipient caries lesions during orthodontic treatment. *J Dent Res* 2009;88(SI-A): Abstract. 2051.
110. Lippert F, Newby EE, Schemehorn BR, **González-Cabezas C**. Efficacy of an experimental dentifrice in a demin-/remineralization caries model. *J Dent Res* 2009;88(SI-A): Abstract. 2054.
111. Coleman EM, Fontana M, **González-Cabezas C**, Eckert G. Study of a copper-containing sealant in a microbial caries model. *J Dent Res* 2009;88(SI-A): Abstract. 685.
112. Kamath N, Fontana M, Cochran MA, **González-Cabezas C**, Matis BA, Moore BK, Lund MR, Ofner S. Effect of ozone-therapy in arresting the progression of secondary caries. *J Dent Res* 2009;88(SI-A): Abstract. 2526.
113. Churchley D, Lippert F, Alton J, **González-Cabezas C**, J. Eder. A comparison of terahertz pulsed imaging with surface microhardness to measure mineral changes in enamel. *Caries Research* 2009;43:188 (Abstract 27).
114. Creeth JE, Zero DT, Bosma ML, Butler A, Guibert RG, Karwal R, Lynch RJM, North M, Martinez-Mier EA, **González-Cabezas C**, Kelly SA. Effect of brushing time and dentifrice dose on orally retained fluoride in vivo. *Caries Research* 2009;43:207 (Abstract 78).
115. Lippert F, Cismak A, Berthold L, Petzold M, Kiesow A, **González-Cabezas C**. A new approach to enhance fluoride efficacy of mouthrinses – Preliminary studies. *Caries Research* 2009;43:209 (Abstract 85).
116. **González-Cabezas C**, Jiang H, Fontana M. Remineralizing effect of low-pH fluoride treatment on advanced non-cavitated lesions. *Caries Research* 2009;43:220 (Abstract 115).
117. Barlow AP, Zero DT, Hara AT, Kelly SA, **González-Cabezas C**, Mason SC. Comparative performance of toothpastes with different fluoride sources in an in situ erosion remineralization Model. *Caries Research* 2009;43:225 (Abstract 129).
118. Mason SC, Barlow AP, Zero DT, Hara AT, Kelly SA, **González-Cabezas C**. Comparative performance of fluoridated toothpastes in an in situ erosion remineralization model. *Caries Research* 2009;43:225 (Abstract 130).
119. Hara AT, **González-Cabezas C**, Zero DT. Toothbrushing abrasion of eroded dental substrates by whitening dentifrices. *Caries Research* 2009;43:237 (Abstract 164).
120. Zero D, Creeth J, Bosma JM, Guibert RG, Karwal R, Lynch R, **González-Cabezas C**, Kelly S. Effect of Dentifrice Usage Regimen on Fluoride Efficacy in situ. *J Dent Res* 2010;89(SI-A): Abstract 70.

121. Fontana M, Platt J, Ando M, Soto-Rojas AE, Eckert G, Yoder K, **González-Cabezas C**, Zero D. One-Year Assessment of Caries Measurement In Vivo under Sealants. *J Dent Res* 2010;89(SI-A): Abstract 896.
122. Creeth J, **González-Cabezas C**, Eder J, Bosma M, Zero D. Increasing exposure time and dentifrice concentration increase enamel remineralization in-vitro. *J Dent Res* 2010;89(SI-A): Abstract 69.
123. Stump A, Fontana M, **González-Cabezas C**, Cho SD, Willis LH, Platt JA, Eckert G. The effects of magnification on treatment of occlusal carious lesions. *J Dent Res* 2010;89(SI-A): Abstract .
124. Hara A, Engle K, **González-Cabezas C**, Zero D. Evaluation of Hexametaphosphate-containing dentifrice on root dentin erosion-abrasion. *J Dent Res* 2010;89(SI-A): Abstract 528.
125. Yeslam H, Chu T, **González-Cabezas C**, Cochran M, Lund M, Eckert G, Ando M. The Effect of Acid-etching on Remineralization of Incipient Caries lesions. *J Dent Res* 2010;89(SI-B): Abstract 382.
126. Hara A, Yadav S, **González-Cabezas C**, Lippert F. Influence of Toothbrushing Parameters on Abraded-Enamel Polishing. *J Dent Res* 2010;89(SI-B): Abstract 939.
127. Nassar H, **González-Cabezas C**. Effect of gap geometry on secondary caries in vitro. *J Dent Res* 2010;89(SI-B): Abstract 4660.
128. Diniz MB, **González-Cabezas C**, Eckert GJ, Cordeiro RCL, Ferreira Zandona A. Evaluation of Different Methods to Detect Caries around Resin Restorations. *J Dent Res* 2010;89(SI-B): Abstract 1608.
129. What we know and do not know about fluoride varnishes – Section Program at ADEA. 2011.
130. How to promote critical thinking in the evidence-based clinical decision making?-Part of UMSoD faculty retreat. Presented alongside with Dr. Fontana. 2011.
131. Professionally applied fluorides-Dental hygiene in-service. 2011.
132. Management of dental caries opportunities and challenges. Community dentistry in-service. 2011.
133. Stump A, Fontana M, **González-Cabezas C**, Platt JA, Willis LH, Eckert G. The effect of magnification on occlusal carious lesions treatment decisions. *J Dent Res* 2011;90(SI-A): Abstract 2554.
134. Caries research at UM School of Dentistry at Bauru, Brazil. 2012.
135. Lecture on Fluorides at the University of Iowa (4h). 2012.
136. Sharma D, **González-Cabezas C**, Ricci-Nittel D, Eder J. Effect of pH on remineralization efficacy of over-the-counter fluoride mouthrinses. *J Dent Res* 2012;91(SI-A): Abstract 1415.
137. **González-Cabezas C**, Flannagan SE, Krell R, Uekihara M, Niquette CC. Fluoride release from fluoride varnishes is affected by incubation conditions. *J Dent Res* 2012;91(SI-A): Abstract 1094.
138. Ballantine J, Holtzman J, Wilder-Smith P, Benavides E, **González-Cabezas C**, Flannagan S, Fontana M. Assessment of occlusal caries lesions through two clear dental sealants using DIAGNOdent. UMSoD Research Day 2012, Abstract 44.
139. Sarao A, **González-Cabezas C**, Flannagan S, Fontana M. Association of “hidden caries lesions” with clinically detectable cavitated lesions. UMSoD Research Day 2012, Abstract 46.

140. Lee SB, Peters M, **González-Cabezas C**, Kim KN, Kuroda K. Synthesis and adhesive performance of poly (methoxyethyl acrylates) functionalized by biomimetic catechol groups to human dentin. UMSoD Research Day 2012, Abstract 86.
141. Fontana M, **González-Cabezas C**. Assessing critical thinking and hands-on learning in cariology in a new curriculum. Gallery of Teaching Innovations at the CRLT's 50th anniversary celebration, May 2012.
142. Lodi C, Martinhon CC, Delbem AC, Flannagan S, Soderling E, **González-Cabezas C**, Fontana M. Probiotic bacteria and caries prevention: an in vitro study. *J Dent Res* 2012;91(SI-B): Abstract S2837.
143. Ballantine J, Dzingle J, Plummer J, Lungu L, Petrazsko A, Preeti I, Fujawa D, Valicevic D, Eber R, Fontana M, **González-Cabezas C**, Ndege P, Kapila S, Kapila Y. Assessment of Oral Health in Meru, Kenya. Consortium of Universities for Global Health Annual Meeting at Washington.
144. Park S, Dery MR, Flannagan SE, **González-Cabezas C**. Caries preventive potential of a new generation extended-contact varnish. UMSoD Research Day 2013, Abstract 26.
145. Lee SB, **González-Cabezas C**, Kim KM, Kim KN, Kuroda K. Effects of saliva contamination on dentin bond strength using wet bio-adhesive inspired by mussels. UMSoD Research Day 2013, Abstract 28.
146. Ware T, Fontana M, Haider A, Avery D, Dean J, Eckert G, **González-Cabezas C**, Weddell J, Nixon CL. The cariogenic potential of toddler formulas: protein content and sweeteners. *J Dent Res* 2013;92(SI-A): Abstract 795.
147. Fontana M, Platt JA, Eckert G, **González-Cabezas C**, Yoder K, Peters MC. 3.5 year assessment of caries measurement in vivo under sealants. *J Dent Res* 2013;92(SI-A): Abstract 378.
148. Fontana M, Fitzgerald M, **González-Cabezas C**. Evidence-based decision making in cariology through active-learning and critical thinking. 2013 ADEA Annual Session. Seattle, WA.
149. Warthen K, **Gonzalez-Cabezas C**, Hower RW, Rickard AH. The impact of MEMS-produced Micro-Electrode material coating on dental plaque biofilm growth. NNIN REU program for Interns at UM. 2013.
150. Downey D, Dennison JB, Yaman P, Neiva GF, G.J. Eckert GJ, **González-Cabezas C**. Fluoride Varnish Carrier Constituents Effect on In Vivo Fluoride Release. *J Dent Res* 2014;93(SI-A): Abstract 159.
151. **González-Cabezas C**, Wright M, Anderson O, Fontana M. Student-developed exam questions lead to higher cognitive level of learning. 2014 ADEA Annual Session. Poster PO-109.
152. **González-Cabezas C**, Flannagan S. Impact of different fluoride varnish formulations on enamel demineralization prevention. *J Dent Res* 2014;93(SI-B):Abstract 76.
153. **González-Cabezas C**, Wright M, Anderson O, Fontana M. Student-developed exam questions lead to higher cognitive level of learning. 2014 Engineering Education Research Day.
154. Dzingle J, Fujawa D, Cooper J, Kapila S, Kapila Y, Eber R, **González-Cabezas C**. Oral health disparities in Meru, Kenya. UMSoD Research Day 2014.
155. Dawson SG, Flannagan SE, **González-Cabezas C**, Fontana M. Using an in vitro microbial model to test the effects of an oral probiotic on carious lesion formation. UMSoD Research Day 2014.

156. Paal A, Quintanal O, Dzingle J, Fujawa D, Cooper J, Ehardt L, Musselwhite J, **González-Cabezas C**, Kapila S, Eber R, Kapila Y. A Community Based Participatory Survey Highlights the Importance of Dental Health Education in the Kithoka Community in Meru, Kenya. UMSoD Research Day 2014.
157. Fontana M, Everett A, **González-Cabezas C**. Learning Cariology in a New Dental Curriculum: Long-lasting Student Learning of Critical Thinking and Problem Solving Skills in the Context of Patient Care. UM ISL Poster Fair 2014.
158. Research programs in graduate restorative dentistry programs. Workshop for graduate faculty of the Universidad Autonoma de Queretaro, Mexico. 4 hours. 2015.
159. Oral rehabilitation discussion with graduate students of the the Universidad Autonoma de Queretaro, Mexico. 3.5 hours. 2015.
160. **Gonzalez-Cabezas C**, Flannagan SE. Enamel Fluoride Uptake from Varnishes with Different Fluoride Release. J Dent Res 2015;94(SI-A):Abstract 223.
161. Fernández CE, **Gonzalez-Cabezas C**; Fontana M; Cury JA; Samarian D; Rickard AH. SnF<sub>2</sub>-containing toothpaste effect on enamel demineralization and *S. mutans* biofilm. J Dent Res 2015;94(SI-A):Abstract 232,
162. Flannagan SE, Downey DJ, Eckert GJ, **Gonzalez-Cabezas C**. Microdiffusion Analysis of Fluoride Release Into Saliva From Different Varnishes. J Dent Res 2015;94(SI-A):Abstract 2542.
163. Crouch SB, Dzingle J, Tyus J, Kapila S, Eber RM, **Gonzalez-Cabezas C**, Ndege P, Kapila YL. Oral Health Status of Adults in Rural Meru, Kenya. J Dent Res 2015;94(SI-A):Abstract 4143.
164. Crouch S, Dzingle J, Tyus J, Kapila S, Eber R, **Gonzalez-Cabezas C**, Ndege PK, Kapila Y. Oral Health Status of Adults in Rural Meru, Kenya. UMSoD Research Day 2015.
165. Grimmer J, Webster C, **Gonzalez-Cabezas C**, Kapila S, Kapila Y, Eber R, Manz M, Crouch S, Ramthun A, Slatton K, Reid M, Anderson M. Assessment of Dental Knowledge and Effectiveness of Educational Materials in Meru, Kenya. UMSoD Research Day 2015.
166. Kamodia SS, **Gonzalez-Cabezas C**. The Impact of Modifying Organic Material in Caries Lesions on the Remineralization Potential of Different Remineralizing Agents. UMSoD Research Day 2015.
167. Nye M, Smeenge B, Chuang P, Roushanrouz A, Eber R, Tyus J, Ndege P, Kamere E, **Gonzalez-Cabezas C**. Preventing Oral Disease in Rural Kenya: A Collaborative Effort. Presented in 2015 at the UM fifth-annual Sujal Symposium for Health and Social Justice and 2015 Global Health Symposium at the Henry Ford Hospital in Detroit.
168. Duell J, Pedersen E, Flannagan S, **Gonzalez-Cabezas C**. In Vivo Comparison of Fluoride Varnish Retention Following the Application of Different 5% Sodium Fluoride Varnishes. UMSoD Research Day 2016.
169. Ghandourah BS, Chatzistavrou X, **Gonzalez-Cabezas C**, Yaman P, Dennison J, Papagerakis P. Anti-cariogenic Properties of a Novel Bioactive Composite. J Dent Res 2016;95(SI-A):Abstract.
170. Fernandez CE, Luo T, Cannon AC, Aspiras M, Dodds M, **González-Cabezas C**, Rickard AH. Inoculums from different intraoral sites influence in-vitro biofilm community structure. J Dent Res 2016;95(SI-A):Abstract.
171. The Global Oral Health experience. Corfu, Greece. 1 hour. 2016.



172. Musa K, Flannagan S, **González-Cabezas C**, Tian S, McGuire T, Fourre T, Queiroz D. Enamel demineralization prevention by different fluoride mouthwash treatments using an in-vitro microbial caries model. *Caries Research* 2016;50:40 (Abstract 91).
173. Fernandez CE, Luo T, Cannon AC, Aspiras M, Dodds M, **González-Cabezas C**, Rickard AH. The effect of inoculum type on the development of oral biofilm under different fluid shear. *Caries Research* 2016;50:11 (Abstract 22).
174. Baig A, Flannagan SE, Schneiderman E, St. John S, Fontana M, **Gonzalez-Cabezas C**. Prevention of Caries by SnF<sub>2</sub> in a Microbial Caries Model. *J Dent Res* 2017;96(SI-A):Abstract.
175. Al Dehailan L, Lippert F, **Gonzalez-Cabezas C**, Eckert GJ, Martinez-Mier E. Fluoride in Saliva and Biofilm After Varnish Application. *J Dent Res* 2017;96(SI-A):Abstract.
176. Fernandez CE, Aspiras M, Dodds M, **González-Cabezas C**, Rickard AH. In Vitro Oral Multi-species Biofilms: The Effect of Inoculum Source and Fluid Shear Force. Michigan-Brazil Symposium 2017. (Abstract)
177. **Gonzalez-Cabezas C**. Advances in new remineralization therapies in the 21st century (Invited Reactor). International Conference on Novel Anticaries and Remineralizing Agents (ICNARA) 3. 2017 May
178. Fernández CE, Cannon AC, Aspiras M, Dodds MW, **González-Cabezas C**, Rickard AH. Combinatorial effect of two food additives against multi-species oral biofilms. 3rd International Encounter of Cariology in Talca, Chile. May, 2017. (Abstract)
179. Luo T, Zsiska M, Circello BT, Eisenberg M, **Gonzalez-Cabezas C**, Foxman B, Marrs C, Rickard AH. In Vitro Inhibition of Oral Biofilm Development by Stannous Fluoride. BSODR Annual Meeting. 2017, Abstract 052.
180. Algarni AA, Lippert F, Ungar P, Eckert GJ, **Gonzalez-Cabezas C**, Platt JA, Hara AT. The Impact of Age on Dental Erosion Susceptibility and Prevention. IUSD Research Day 2018.
181. Jackson S, Yaman P, Dennison J, Neiva G, Flannagan S, **Gonzalez-Cabezas C**. Early Fluoride Release From 5% NaF Varnishes in vivo. AADR 2018. Abstract 0101.
182. Algarni AA, Lippert F, Ungar P, Eckert GJ, **Gonzalez-Cabezas C**, Platt JA, Hara AT. Tooth Age Impact on Dental Erosion Susceptibility and Prevention. AADR 2018. Abstract 0519.
183. Vinh R, Fontana M, **Gonzalez-Cabezas C**, Flannagan S, Estrich C, Araujo M, Meirelles L. Method to measure the rate of release from fluoride varnishes. AADR 2018. Abstract 0907.
184. **Gonzalez-Cabezas C**. Michigan Projects: Can We Gather the Information We Need? IADR 2018. Symposium.
185. **Gonzalez-Cabezas C**. Recent Advances in Caries Remineralization Therapies. Oral presentation at the 30th Saudi International Dental Conference (SIDC 2019). Riyadh, Kingdom of Saudi Arabia, January, 2019.
186. **Gonzalez-Cabezas C**. Optimizing the anticaries effectiveness of dentifrices. Oral presentation at the 30th Saudi International Dental Conference (SIDC 2019). Riyadh, Kingdom of Saudi Arabia, January, 2019.
187. **Gonzalez-Cabezas C**. Integrating silver diamine fluoride (SDF) in the management of high caries patients. Oral presentation at the 30th Saudi International Dental Conference (SIDC 2019). Riyadh, Kingdom of Saudi Arabia, January, 2019.

188. **Gonzalez-Cabezas C.** Aging and Oral Health: Science and Evidence for Root Caries Control. Root caries research: where are we and the challenges ahead. IADR 2019. Symposium.
189. **Gonzalez-Cabezas C.** What is your why? Defining your purpose and goals. UM experience. Oral Presentation at the National Symposium on Global Service Learning in U.S. Dental Schools. Denver, Colorado, October, 2019.
190. **Gonzalez-Cabezas C.** Optimizing the Anticaries Effectiveness of Dentifrices. Oral presentation at King Abdulaziz University 5th Dental Conference. Jeddah, Kingdom of Saudi Arabia, October, 2019.
191. **Gonzalez-Cabezas C.** Integrating Clinical Cariology into the Dental Curriculum-The University of Michigan Experience. Oral presentation at King Abdulaziz University 5th Dental Conference, Jeddah, Kingdom of Saudi Arabia, October, 2019.
192. Yanca E, **Gonzalez-Cabezas C**, Eckert G, Katz B, Levy SM, Moursi A, Fontana M. Initial Calibration of Examiners for a Multisite RCT on SDF. IADR 2020.
193. Riaz M, Pitts E, Furgeson D, Kinney J, Yanca E, **Gonzalez-Cabezas C**, McEachern M, Fontana M. Recruitment of Parent/Child Pairs in a RCT for SDF. IADR 2020
194. Flannagan, C, Queiroz D, Seo J, **Gonzalez-Cabezas C.** IADR 2020. Novel Multispecies Caries Model for Evaluating Anticaries Agents. IADR 2020.
195. Jones NA, Pan L-C, Flannagan S, **González-Cabezas C**, Chang HS-R, Clarkson BH, Bloembergen W, Lahann J, Bloembergen S. Use of Fluorescent Starch Nanoparticles to Detect Preclinical Carious Lesions. IADR 2020.
196. Jones NA, Pan L-C, Flannagan S, **González-Cabezas C**, Chang HS-R, Clarkson BH, Bloembergen W, Lahann J, Bloembergen S. Targeted Enamel Remineralization with Mineral-Loaded Nanoparticles. IADR 2020.
197. **González-Cabezas C**, Fontana M. Dental Caries in action. University of Michigan Pre-Dental seminar series. 2020.
198. **González-Cabezas C.** Global Initiatives in Oral and Craniofacial Health at University of Michigan School of Dentistry. Presentation series for Profile for Success Students. 2020.
199. Fontana M, **González-Cabezas C**, De Peralta T, Niemer R. Impact of a gameful learning approach on cariology teaching and learning. ORCA 2020.
200. Jones NA, Bloembergen WE, Flannagan S, **González-Cabezas C**, Clarkson BH, Jones GW, Pan LC, Newton M, Lahann J, Bloembergen S. Caries detection using targeted fluorescent starch. ORCA 2020.
201. Fernandez Gonzalez C, **González-Cabezas C.** Unsweetened and Sucrose-Sweetened Black and Green Tea Reduced the Development of Oral Microcosm Biofilms. IADR Chile Division. 2020.

--- More than 100 additional posters presented at the annual Research Day of the Indiana University School of Dentistry before 2010.