

## CURRICULUM VITAE

Jacques Eduardo Nör  
June 2023

### PROFESSIONAL BACKGROUND

#### Education

<i>Institution and Location</i>	<i>Degree</i>	<i>Date</i>	<i>Degree Focus</i>	<i>Mentor</i>
Radboud University Medical School	<b>Sabbatical</b>	2014	Intravital Imaging	Peter Friedl
University of Michigan Medical School	<b>Post-doc</b>	2001	Cancer Biology	Gabriel Nunez
University of Michigan Dental School	<b>Ph.D.</b>	1999	Oral Health Sciences	Peter Polverini
University of Michigan Dental School	<b>M.S.</b>	1994	Pediatric Dentistry	Robert Feigal
Brazilian Federal University	<b>Certificate</b>	1990	Pediatric Dentistry	Fernando Araujo
Brazilian Federal University	<b>D.D.S.</b>	1985	Dentistry	

#### Academic Appointments

2015-present	Chair Department of Cariology, Restorative Sciences, and Endodontics School of Dentistry, University of Michigan
2011-present	Donald A. Kerr Collegiate Professor of Dentistry University of Michigan
2009-present	Professor of Otolaryngology Department of Otolaryngology School of Medicine, University of Michigan
2006-2021	Professor of Biomedical Engineering Department of Biomedical Engineering College of Engineering, University of Michigan
2006-present	Professor of Dentistry Department of Cariology, Restorative Sciences, and Endodontics School of Dentistry, University of Michigan
2003-2006	Associate Professor of Biomedical Engineering Department of Biomedical Engineering College of Engineering, University of Michigan
2003-2006	Associate Professor of Dentistry (with tenure) Department of Cariology, Restorative Sciences, and Endodontics School of Dentistry, University of Michigan
1999-2003	Assistant Professor of Dentistry Department of Cariology, Restorative Sciences, and Endodontics School of Dentistry, University of Michigan
1995-1999	Adjunct Lecturer Department of Orthodontics and Pediatric Dentistry School of Dentistry, University of Michigan
1994-1995	Clinical Instructor Department of Orthodontics and Pediatric Dentistry School of Dentistry, University of Michigan

**Certificates and Licenses**

- 2013-present DEA Registration  
United States Department of Justice
- 2013-2022 Controlled Substance License-Clinical  
Board of Pharmacy, State of Michigan, USA
- 2012-present Research Laboratory Controlled Substance License  
Board of Pharmacy, State of Michigan, USA
- 1995-present Clinical Academic Limited License  
Board of Dentistry, State of Michigan, USA
- 1990-1994 Clinical License, Pediatric Dentistry Specialty  
National Council of Dentistry [Conselho Federal de Odontologia], Brazil
- 1985-1994 Brazilian Dental License  
National Council of Dentistry [Conselho Federal de Odontologia], Brazil

**Honors and Awards**

- 2022-2023 *Immediate Past President*; American Association for Dental, Oral and Craniofacial Research (AADOCR; previously named AADR)
- 2023 *Certificate of Appreciation*; National Institute for Dental and Craniofacial Research (NIDCR) for contribution to the *Oral Health in America: Advances and Challenges* report
- 2022-2023 *President-Elect*; Stem Cell Biology Group, International Association for Dental Research (IADR)
- 2022 *Author*; section on “Head and Neck Cancer Stem Cells”, in the 2022 NIDCR/NIH Report on *Oral Health in America: Advances and Challenges*
- 2022 *You Make the Difference Award*; University of Michigan School of Dentistry
- 2021-2022 *President*; American Association for Dental, Oral and Craniofacial Research (AADOCR)
- 2021 *Distinguished Faculty Research Mentoring Award*; University of Michigan School of Dentistry
- 2021 *You Make the Difference Award*; University of Michigan School of Dentistry
- 2019-2020 *Chair*; Section on Dentistry & Oral Health Sciences (Section R), American Association for the Advancement of Science (AAAS)
- 2017 *Fellow*, American Association of Dental Research (AADR)
- 2015 *Loader-Brenes Espinach Award*, Pierre Fauchard Academy (PFA)
- 2014 *Honorary Member*, Academy of Dentistry - Rio Grande do Sul (AGO), Brazil
- 2014 *Visiting Professor*, School of Dentistry, Universidade Peruana Cayetano Heredia
- 2013 *Fellow*, American Association for the Advancement of Sciences (AAAS)
- 2013-2014 *President*, Michigan Section, American Association for Dental Research (AADR)
- 2012 *Distinguished Scientist Award*, International Association for Dental Research (IADR)
- 2012-2013 *President*, Pulp Biology and Regeneration Group (IADR)
- 2011-present *Donald A. Kerr Endowed Collegiate Professor of Dentistry*, University of Michigan

- 2011 *William J. Gies Award for Biological Research*, given to the “best paper published in the Journal of Dental Research (JDR) during the preceding year, Biology section”
- 2010 *William J. Gies Award for Biological Research*, given to the “best paper published in the Journal of Dental Research (JDR) during the preceding year, Biology section”
- 2010-2011 *President*, Omicron Kappa Upsilon-Michigan Chapter, Honorary Dental Society.
- 2006 *Honorary Professor*, School of Dentistry, University of Birmingham, England
- 2006 *Keynote speaker*, Buonocore Memorial Lecture, Academy of Operative Dentistry
- 2005-present *Member*, Omicron Kappa Upsilon, Honorary Dental Society
- 2005 *Visiting Professor*, School of Dentistry, Universidade São Paulo (USP), Bauru, Brazil
- 2004 *Certificate of Appreciation*, Student Research Group (SRG), University of Michigan School of Dentistry
- 2003 *Visiting Professor*, School of Dentistry, Brazilian Federal University (UFRGS)
- 2002 *Dean’s Research Award*, School of Dentistry, University of Michigan
- 2002 *Commendation for Teaching Performance*, Faculty Review Committee, School of Dentistry, University of Michigan
- 2001 *New Dentist Scientist Award*, American Dental Association Health Foundation
- 1999 *Edward Hatton Award (1<sup>st</sup> place)*, International Association for Dental Research (IADR)
- 1999 *Edward Hatton Award (1<sup>st</sup> place)*, American Association for Dental Research (AADR)
- 1999 *Unilever Travel Award*, to present research at the 77<sup>th</sup> Meeting of the International Association for Dental Research (IADR), in Vancouver, Canada
- 1998 *Dziewiatkowski Memorial Award*, for excellence in student research. Department of Biological and Material Sciences, University of Michigan School of Dentistry
- 1995 *Graduate Student Research Award*, American Academy of Pediatric Dentistry (AAPD)
- 1995 *Pediatric Dentistry Alumni Memorial Award*, Kenneth Easlick Society, University of Michigan School of Dentistry

### **Leadership Training**

- 2021 The role of individual and structural bias in hiring and advancement of BIPOC Faculty – ADVANCE Program, University of Michigan
- 2021 Black, Indigenous and People of Color (BIPOC) Faculty Retention: Discussion of New Findings and Strategies – ADVANCE Program, University of Michigan
- 2016 *Leading high-performance teams* (Paula Caproni) - Ross School of Business, University of Michigan
- 2016 *Department Executive Officer (DEO)* leadership program – Big10 Academic Alliance, Chicago, Illinois

### **Teaching Training**

- 2020 *Canvas Quizzes: Deep dive* (Angela Marocco) – CRLT, School of Education, University of Michigan
- 2020 *Online assessments* (Angela Marocco) – CRLT, School of Education, University of Michigan

### **Memberships**

2017-present	American Dental Education Association (ADEA)
2013-present	American Head and Neck Society (AHNS)
2000-present	American Association for Cancer Research (AACR) – Tumor Microenvironment group
1998-present	American Association for the Advancement of Science (AAAS)
1992-present	International/American Association for Dental Research (IADR/AADR) - Pulp Biology & Regeneration Group (PBRG); Oral Medicine & Pathology group
1992-2007	American Academy of Pediatric Dentistry (AAPD)
1982-1992	Brazilian Dental Association (ABO)

### **Private Practice Experience**

1986-1992	Private Practice, General Dentistry, Taquara, Rio Grande do Sul, Brazil
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## **TEACHING**

### **Undergraduate Courses**

2001-2019	UC151: Science and Practice of Dentistry in the 21 <sup>st</sup> Century (Lecturer, 2 h/yr)
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### **Dental School Courses**

1994-2017	D595: Operative Dentistry in Pediatric Dentistry (DDS, Instructor, 2 h/yr)
1994-2017	D747: Complex Restorations in Pediatric Dentistry (DDS, Instructor, 2 h/yr)
1994-1999	Clinical Pediatric Dentistry (DDS, Instructor, 200 h/yr)
1999-2002	D519: Clinical Foundation I (DDS, Instructor, 120 h/yr)
2000-2003	D520: Clinical Foundation II (DDS, Instructor, 120 h/yr)
2000-present	D590: Clinical Foundation I (DDS, Instructor, 1 lecture/yr)
2005-2012	Overview of Adhesive Dentistry (DDS International Program, Instructor, 3 h/yr)
2010-2012	D515: Grand Rounds (DDS, Instructor, 8 h/yr)
2011-2013	D605: Biology of tumor growth and progression (DDS, Instructor, 1 lecture/yr)
2019-present	D519/D520: <i>Clinical Foundations I and II</i> (Row Instructor, ~200 h/yr)

### **Graduate Courses**

1995-2017	Overview of Restorative Dentistry in Pediatric Dentistry (Ped Dent, Lecturer, 4 h/yr)
2001-2002	Dent. Ed. 610: Scientific Communications (Graduate core course, Lecturer, 2 h/yr)
<b>2002-present</b>	<b>Dent. Ed. 612: Molecular Biology in Clinical Dentistry (Graduate core course, Course Director, 24 h/yr)</b>
2002-2019	Rest. Dent. 742: <i>Clinical Restorative Dentistry</i> (Operative Dentistry graduate students, Clinical Instructor, ~200 h/yr)
2003-2005	Dent. Ed. 603: Craniofacial Growth (Graduate core course, Lecturer, 2 h/yr)
2003-2017	Ped. Dent. 593: Literature Seminars: Operative Dentistry (Pediatric Dentistry Residents, Lecturer, 3 h/yr)

2004	CDB 680-685: <i>Organogenesis of complex tissues: Vasculogenesis, Angiogenesis, Lymphangiogenesis</i> (PIBS, Lecturer, 2 h/yr)
2011-2017	Cancer Biology 553: <i>Tumor angiogenesis</i> (PIBS, Lecturer, 2 h/yr)
2012-2014	Tissue Engineering: <i>Engineering teeth</i> (OHS/PIBS/Biomed. Engin., Lecturer, 2 h/yr)
2017-present	Endo 656: Pulp Biology (Lecturer, 2 h/yr)
2017-present	Overview of Adhesive Dentistry (Restorative Dentistry, Lecturer, 3 h/yr)

### **Mentorship: Ph.D. Students**

<i>Student's name</i>	<i>Program</i>	<i>Years advised</i>	<i>Degree</i>	<i>Role student committee</i>
Jaqueline Vanini	USP/Michigan	2022-present	Ph.D.	Chair
Mariel Bergamo	USP/Michigan	2019/20	Ph.D.	Chair
Jussara Gonçalves	UFSC/Michigan	2018/19	Ph.D.	Chair
Alexandra Oklejas Herzog	Oral Health Sciences	2016-present	D.D.S./Ph.D.	Chair
Nathalia Andrade	USP/Michigan	2015/16	Ph.D.	Chair
Christie Rodriguez-Ramirez	PIBS (Cancer Biology)	2015/20	Ph.D.	Chair
Felipe Nor	UFRGS/Michigan	2014/15	Ph.D.	Chair
Janine da Silva	UFMG/Michigan	2014/15	Ph.D.	Chair
Min Oh	Oral Health Sciences	2013/20	D.D.S./Ph.D.	Chair
Carolina Cucco	PUC/Michigan	2013/14	Ph.D.	Chair
Gleyce Silva	UNESP/Michigan	2013/14	Ph.D.	Chair
Gerson Acasigua	UFRGS/Michigan	2013/14	Ph.D.	Chair
April Adams	PIBS (Cancer Biology)	2012/16	Ph.D.	Chair
Hong Sun Kim	PIBS (Cancer Biology)	2012/16	Ph.D.	Chair
Lisiane Bernardi	UFRGS/Michigan	2011/12	Ph.D.	Chair
Carolina Nor	UFRGS/Michigan	2011/12	Ph.D.	Chair
Leticia Bento	UFRGS/Michigan	2010/11	Ph.D.	Chair
Renata Licks	UFRGS/Michigan	2010/11	Ph.D.	Chair
Vinicius Rosa	USP/Michigan	2008/10	Ph.D.	Chair
Sudha Krishnamurthy	Oral Health Sciences	2007/11	Ph.D.	Chair
Vivien Sakai	USP/Michigan	2007/09	Ph.D.	Chair
Luciano Casagrande	UFRGS/Michigan	2006/08	Ph.D.	Chair
Andreza Aranha	UNESP/Michigan	2006/08	Ph.D.	Chair
Kathleen Neiva	Oral Health Sciences	2005/09	Ph.D.	Chair
Marta Miyazawa	USP/Michigan	2005/07	Ph.D.	Chair
Silvana Gonçalves	UFRGS/Michigan	2004/06	Ph.D.	Chair
Elisabeta Karl	Oral Health Sciences	2003/06	Ph.D.	Chair

Paloma Telles Dias	UFRGS/Michigan	2001/03	Ph.D.	Chair
Evelyn Jiaage	PIBS (Cancer Biology)	2013/17	Ph.D.	Member
Turki Al-Hazzazi	Oral Health Sciences	2009/12	Ph.D.	Member
Harsh Jain	Mathematics	2005/08	Ph.D.	Member
Jonathan Song	Biomedical Engineering	2005/08	Ph.D.	Member
Ruth Chen	Biomedical Engineering	2003/05	Ph.D.	Member
Alessandra Beth Ennett	Biomedical Engineering	2002/04	Ph.D.	Member
Darnell Kaigler	Oral Health Sciences	2002/04	D.D.S./Ph.D.	Member
Molly Kay Smith	Chemical Engineering	2002/04	Ph.D.	Member
Marsha-Kay Hutchinson	Oral Health Sciences	2019	D.D.S./Ph.D.	Lab Rot ment.
Christie Rodriguez	PIBS (Cancer Biology)	2015	Ph.D.	Lab Rot ment.
Abdulaziz Binrayes	Oral Health Sciences	2015	Ph.D.	Lab Rot ment.
Joe Nguyen	Oral Health Sciences	2012	D.D.S./Ph.D.	Lab Rot ment.
Kathryn Ritchie	Oral Health Sciences	2011	D.D.S.	Lab Rot ment.
Turki Al-Hazzazi	Oral Health Sciences	2005/07	Ph.D.	Acad. Advisor
Yong-Hee Chen	Oral Health Sciences	2003/05	Ph.D.	Acad. Advisor

### **Mentorship: Master of Science Students**

<i>Student's name</i>	<i>Program</i>	<i>Years advised</i>	<i>Degree achieved</i>	<i>Role student committee</i>
Ahmed Sarhan	Endodontics	2017/19	M.S.	Chair
Najla Al Turkestani	Restorative Dentistry	2016/18	M.S.	Chair
Carolina Cucco	Endodontics	2016/18	M.S.	Chair
Andrea Pobocik	Restorative Dentistry	2016/19	M.S.	Chair
Sarah Alhalees	Restorative Dentistry	2015/17	M.S.	Chair
Xi Chen	Orthodontics	2015/17	M.S.	Chair
Sarah McDermott	Orthodontics	2013/15	M.S.	Chair
Luciana Castro	Restorative Dentistry	2013/14	M.S.	Chair
Nils Danielsen	Endodontics	2009/13	M.S.	Chair
Clare Quinlan	Endodontics	2007/09	M.S.	Chair
Eoin Mullane	Endodontics	2006/08	M.S.	Chair
Alexandra Jaquery	Restorative Dentistry	2005/07	M.S.	Chair
Jane Lu	Orthodontics	2005/07	M.S.	Chair
Vichulada Phunthikapadr	Restorative Dentistry	2005/07	M.S.	Chair
Ryan Soden	Endodontics	2003/05	M.S.	Chair
Pornpimoln Charakorn	Restorative Dentistry	2003/05	M.S.	Chair
Gabriela Mantellini	Restorative Dentistry	2000/02	M.S.	Chair

Paloma Telles Dias	Pediatric Dentistry	1999/01	M.S.	Chair
Navid Ghanbaran	Endodontics	2013/15	M.S.	Member
Yung-Ting Hsu	Periodontics	2011/15	M.S.	Member
Jorge Garcia	Endodontics	2008/10	M.S.	Member
Thiago Morelli	Periodontics	2008/10	M.S.	Member
Marmar Modaressi	Periodontics	2005/07	M.S.	Member
Yu-Ju (Rita) Yang	Pediatric Dentistry	2005/07	M.S.	Member
Jason Cooke	Periodontics	2003/05	M.S.	Member
Steve Charchut	Orthodontics	2003/05	M.S.	Member
Jerome Shuman	Orthodontics	2003/05	M.S.	Member
AnnaMarie Malavolti	Pediatric Dentistry	2002/03	M.S.	Member
Suher Baker	Pediatric Dentistry	2002/03	M.S.	Member
Abdullah Al-Swuailem	Restorative Dentistry	2000/02	M.S.	Member
Bernadette Folk	Pediatric Dentistry	2000/01	M.S.	Member
Fernanda Fontes	Pediatric Dentistry	1998/00	M.S.	Member

### **Mentorship: UM Medical School**

<i>Resident's Name</i>	<i>Department</i>	<i>Years advised</i>	<i>Position</i>
Stephen Chinn MD	Otolaryngology (UM)	2017-present	Assistant Professor
Alex Pearson MD	Medical Oncology	2013/17	House Officer
Sarah Burgin MD	Otolaryngology-HN Surgery	2012/14	House Officer
Vivian Wu MD	Otolaryngology-HN Surgery	2012/13	Clinical Lecturer

### **Mentorship: Faculty**

<i>Faculty's Name</i>	<i>Department</i>	<i>Years advised</i>	<i>Position</i>
Justine Moe MD, DDS	OMS	2021-present	Clin Assist Professor
Petros Papagerakis DDS, PhD	OPD	2013/16	Associate Professor
Rogério Castilho DDS, PhD	POM	2011/17	Associate Professor
Cristiane Squarize DDS, PhD	POM	2011/17	Associate Professor
Seungwon Kim MD	Otolaryngology (U Pittsburgh)	2009/13	Associate Professor
Hector Rios DDS, PhD	POM	2009/16	Assistant Professor
Alexandre DaSilva DDS, PhD	BMS	2008/16	Associate Professor
Elliott Hill DDS, PhD	BMS	2004/09	Clin Assist Professor
Tatiana Botero DDS, MS	CRSE	2005/09	Clinical Professor
Kathleen Neiva DDS, MS	CRSE	2005/09	Assistant Professor
Rodrigo Neiva DDS, MS	POM	2004/07	Associate Professor
Gisele Neiva DDS, MS	CRSE	2003/05	Clinical Professor

M. Gabriela Mantellini DDS, MS      CRSE      2002/05      Clin Assist Professor

**Mentorship: Researchers**

<i>Researcher's Name</i>	<i>Department</i>	<i>Years advised</i>	<i>Position</i>
Ririko Tsuboi DDS, PhD	CRSE	2021-present	Visiting Professor
Sosuke Sahara MD, PhD	CRSE	2019/21	Visiting Professor
Fabiana Grecca DDS, MS, PhD	CRSE	2019/20	Visiting Professor
Takafumi Nakano MD, PhD	CRSE	2018/20	Visiting Professor
Paulo Faria DDS, MS, PhD	CRSE	2015/16	Visiting Professor
Jun-Ichi Sasaki DDS, PhD	CRSE	2015/17	Visiting Professor
Samuel Kerk BS	CRSE	2015/16	Research Associate
Moon-Kyoung Bae PhD	CRSE	2014/15	Visiting Professor
Soumya Pal MS	CRSE	2014/15	Research Associate
Daiki Mochizuki MD	CRSE	2013/15	Post-doctoral fellow
Kelsey Herwig BS	CRSE	2012/14	Research Associate
Alvaro DellaBona DDS, MS, PhD	CRSE	2013	Visiting Professor
Evandro Piva DDS, MS, PhD	CRSE	2012/13	Visiting Professor
Adriana da Silva DDS, MS, PhD	CRSE	2012/13	Visiting Professor
Cintia Machado DDS, MS	CRSE	2012	Post-doctoral fellow
Lisandro Carnero MD	CRSE	2011	Post-doctoral fellow
Joao Gomes DDS, MS, PhD	CRSE	2011	Visiting Professor
Joni Cirelli DDS, MS, PhD	CRSE	2010	Visiting Professor
Yun-Chan Hwang DDS, PhD	CRSE	2009/10	Visiting Professor
Atsushi Imai MD	CRSE	2008/10	Visiting Professor
Kyungsan Min DDS, PhD	CRSE	2008/10	Visiting Professor
Bruno Cavalcanti DDS, PhD	CRSE	2008/09	Post-doctoral fellow
Marcia Campos DDS, PhD	CRSE	2008/09	Post-doctoral fellow
Rubens Ribeiro MD	CRSE	2008/08	Post-doctoral fellow
Naoki Ashimori MD	CRSE	2006/08	Visiting Professor
Fabiana Soki DDS	CRSE	2007/08	Visiting scholar
Sandra Tarquinio DDS, PhD	CRSE	2006/08	Post-doctoral fellow
Flavio DeMarco DDS, PhD	CRSE	2006/08	Post-doctoral fellow
Aaron Spalding MD	CRSE	2006/08	MD Fellowship
Zhaocheng Zhang MD, PhD	CRSE	2005-present	Research Associate
Tomoatsu Kaneko DDS, PhD	CRSE	2004/06	Post-doctoral fellow
Mabel Cordeiro DDS, PhD	CRSE	2005/06	Post-doctoral fellow
Denise Oliveira DDS, PhD	CRSE	2004/05	Visiting Professor



Kristy Warner PhD	CRSE	2005-present 2003/05	Research Associate Post-doctoral fellow
Zhihong Dong MD, PhD	CRSE	2005/12 2003/05	Research Associate Post-doctoral fellow
Benjamin Zeitlin PhD	CRSE	2003/09	Post-doctoral fellow
Qinghua Sun MD, PhD	CRSE	2002/03	Post-doctoral fellow
Wenying Song MD, PhD	CRSE	2001/04	Post-doctoral fellow

### **Mentorship: Undergraduate Students**

<i>Student's Name</i>	<i>Program</i>	<i>Years advised</i>	<i>Degree achieved</i>	<i>Role student committee</i>
Francisco Montamarta	LS & A (Pre-dental)	2022/23	B.S. (2024)	Mentor
Reagan Malcolm	LS & A (Pre-dental)	2018/20	B.S. (2020)	Mentor
Alexandra Oklejas	LS & A (Pre-dental)	2016/17	B.S. (2017)	Mentor
Alex Ziegler	Research Pathways	2014/16	D.D.S. (2017)	Mentor
Kaitrin Kramer	Research Pathways	2013/16	D.D.S. (2016)	Mentor
Marina Curra	Michigan/Brazil Exchange	2011/12	D.D.S. (2014)	Mentor
Lais Pizzato	Michigan/Brazil Exchange	2011/12	D.D.S. (2012)	Mentor
Dafini Knak	Michigan/Brazil Exchange	2011/12	D.D.S. (2012)	Mentor
Jonathan Dzingle	Research Pathways	2011/12	D.D.S. (2014)	Mentor
Priyanka Thummalapally	Research Pathways	2011/12	D.D.S. (2014)	Mentor
Felipe Nör	Student Research Program	2010	D.D.S. (2010)	Mentor
Jacob Williams	LS & A (Pre-dental)	2009/10	B.S. (2010)	Mentor
	Research Pathway	2011/15	D.D.S. (2015)	Mentor
Tara Beebani	LS & A (Pre-dental)	2009/12	B.S. (2009)	Mentor
William Love	LS&A (Pre-dental)	2005/07	B.S. (2006)	Mentor
	Student Research Program	2007/09	D.D.S. (2011)	Mentor
Dmitri Vodopyanov	LS & A (Pre-dental)	2007/09	B.S. (2008)	Mentor
	Student Research Program	2009/11	D.D.S. (2012)	Mentor
Lindsey Wurtzel	LS & A (Pre-dental)	2003/05	B.S. (2005)	Mentor
	Student Research Program	2005/08	D.D.S. (2009)	Mentor
Esther Joo	LS&A Pre-dental	2004/05	B.S. (2004)	Mentor
	Student Research Program	2005/08	D.D.S. (2009)	Mentor
Ilan Turkienicz	Biology	2006/07	B.S. (2007)	Mentor
Bret Johnson	Student Research Program	2004/05	D.D.S. (2006)	Mentor
Matthew Pinsky	Student Research Program	2001/05	D.D.S. (2005)	Mentor
Alex Gardner	Kalamazoo College	2005	B.S. (2009)	Mentor

Karen Likar	Student Research Program	2003/04	D.D.S. (2006)	Mentor
Aurelia Vanderburg	Student Research	2003	D.D.S. (2006)	Mentor
Lori Donnelly	Research Pathways	2014/18	D.D.S. (2018)	Guide
Hendrik van Holsbeeck	Research Pathways	2013/17	D.D.S. (2017)	Guide
Kellie McGinley	Research Pathways	2012/16	D.D.S. (2016)	Guide
Sarah Tomaka	Research Pathways	2011/15	D.D.S. (2015)	Guide
Brian Shipton	Research Pathways	2010/14	D.D.S. (2014)	Guide

### **Mentorship: High School Students**

<i>Student's Name</i>	<i>Program</i>	<i>Years advised</i>	<i>Role student committee</i>
Matthew Castillo	Community High School	2021/22	Mentor

### **Honors/Awards received by students that I've mentored**

- 2020 Alexandra Herzog **AADR Fellowship**  
American Association Dental Research (AADR)  
*"IL-6/STAT3 inhibition overcomes cancer stem cell resistance to conventional chemotherapy"*
- 2019 Alexandra Oklejas **1<sup>st</sup> Place (Basic Sciences), Student Competition for Advancing Dental Research and its Application (SCADA)**  
International Association for Dental Research (IADR) - Dentsply-Sirona  
*"IL-6/STAT3 inhibition overcomes cancer stem cell resistance to conventional chemotherapy"*
- 2019 Alexandra Oklejas **411 Presentation (1<sup>st</sup> Place Award)**  
University of Michigan School of Dentistry Research Day  
*"Effect of combination chemotherapy on head and neck cancer stem cells"*
- 2018 Alexandra Oklejas **IADR Edward Hatton Award (1<sup>st</sup> Place, Junior category)**  
International Association for Dental Research (IADR)  
*"Effect of combination chemotherapy on head and neck cancer stem cells"*
- 2018 Alexandra Oklejas **AADR Edward Hatton Award (2<sup>nd</sup> Place, Junior category)**  
American Association for Dental Research (AADR)  
*"Effect of combination chemotherapy on head and neck cancer stem cells"*
- 2017 Nathalia Andrade **Hatton Award (1<sup>st</sup> Place, Senior category)**  
International Association for Dental Research (IADR), Brazilian Section  
*"Targeting cancer stem cells by mTOR inhibition in human mucoepidermoid carcinoma"*
- 2017 Nathalia Andrade **1<sup>st</sup> Place**  
University of São Paulo School of Dentistry Research Day  
*"Targeting cancer stem cells by mTOR inhibition in human mucoepidermoid carcinoma"*
- 2017 Xi Chen **Charley Schultz Resident Scholar Award**  
American Association of Orthodontists  
*"Maturation of Dental Pulp Stem Cell-derived blood vessels"*
- 2017 Alexandra Oklejas **2<sup>nd</sup> Place (Basic Science Research)**  
University of Michigan School of Dentistry Research Day  
*"Perivascular niche and self-renewal of dental pulp stem cells"*
- 2016 Xi Chen **1<sup>st</sup> Place (Graduate Student Research)**  
Moyer's Symposium

- “Maturation of Dental Pulp Stem Cell-derived blood vessels”*
- 2016 Alexandra Oklejas **Summer Undergraduate Research Fellowship**  
Department of Chemistry, LS & A  
*“Role of Bmi-1 on the self renewal of dental pulp stem cells”*
- 2015 Jacob Williams **1<sup>st</sup> Place (DDS, Basic Science Research)**  
University of Michigan School of Dentistry Research Day  
*“Effect of STAT-3 signaling on determination of dental pulp stem cell fate”*
- 2014 Jacob Williams **AADR Fellowship**  
American Association Dental Research (AADR)  
*“Effect of STAT3 signaling on determination of dental pulp stem cell fate”*
- 2011 Marcia Campos **Sanifil Award (1<sup>st</sup> Place, Oral Pathology)**  
International Association for Dental Research (IADR), Brazilian Section.  
*“Endothelial derived factors inhibit anoikis of head and neck cancer stem cells”*
- 2011 Bruno Cavalcanti **Sanifil Award (1<sup>st</sup> Place, Pulp Biology)**  
International Association for Dental Research (IADR), Brazilian Section.  
*“Dental pulp tissue engineering with Puramatrix, an injectable scaffold”*
- 2010 Sudha Krishnamurthy **Barbour Scholarship**  
Rackham Graduate School, University of Michigan  
*“Endothelial cells promote survival and self-renewal of head and neck cancer stem cells”*
- 2010 Sudha Krishnamurthy **Second Prize (PhD/Post-doc Fellow/Staff competition)**  
University of Michigan School of Dentistry Research Day  
*“Endothelial cells promote survival and self-renewal of head and neck cancer stem cells”*
- 2010 Dmitri Vodopyanov **AADR Fellowship**  
American Association Dental Research (AADR)  
*“Role of Endothelial Cell-derived IL-6 on the survival and stemness of head neck cancer stem cells”*
- 2009 Kathleen Neiva **AADR Edward Hatton Award (1<sup>st</sup> Place, Senior category)**  
American Association for Dental Research (AADR)  
*“Endothelial cell initiated crosstalk enhance tumor cell survival and migration”*
- 2009 Vivien Sakai **Hatton Award (1<sup>st</sup> Place, Senior category)**  
International Association for Dental Research (IADR), Brazilian Section  
*“SHED differentiate into functional odontoblasts and endothelium”*
- 2009 Kathleen Neiva **Dominic D. Dziewiatkowski Award**  
University of Michigan School of Dentistry  
For excellence in graduate student research
- 2009 Eoin Mullane **AAE/Dentsply International Resident Award (2<sup>nd</sup> Place)**  
American Association of Endodontics (AAE)  
*“Pulpal Revascularization in Human Tooth Slices Implanted in Immunodeficient Mice”*
- 2009 William Love **Grand Prize**  
University of Michigan School of Dentistry Research Day  
*“G-CSF/Bcl-2 signaling in head and neck tumor angiogenesis”*
- 2009 Kathleen Neiva **3<sup>rd</sup> Place (PhD/Post-doc Fellow/Staff competition)**  
University of Michigan School of Dentistry Research Day  
*“Crosstalks initiated by endothelial cells enhance head & neck tumor cell survival and migration via Akt, STAT3, ERK signaling”*
- 2009 Kathleen Neiva **Keystone Symposium Scholarship**  
Keystone Symposium on Angiogenesis and lymphangiogenesis in cancer

“Crosstalks initiated by endothelial cells enhance head & neck tumor cell survival and migration via Akt, STAT3, ERK signaling”

2008 Andreza Aranha **Hatton Award (1<sup>st</sup> Place, Senior category)**

International Association for Dental Research (IADR), Brazilian Section.

*“Hypoxia and the Angiogenic Potential of Human Dental Pulp Cells”*

2008 Sudha Krishnamurthy **Gordon Conference - Student Investigator Award**

Gordon Conference on Vascular Cell Biology

*“Endothelial cell and stem cell crosstalk in head and neck cancer”*

2008 Kathleen Neiva **1<sup>st</sup> Place (PhD/Post-doc Fellow/Staff competition)**

University of Michigan School of Dentistry Research Day

*“Endothelial Cells Induce STAT3, AKT, ERK Signaling in Tumor Cells”*

2008 William Love **1<sup>st</sup> Place (DDS, DH, MS/Certificate competition)**

University of Michigan School of Dentistry Research Day

*“G-CSF Enhances the Angiogenic Potential of Endothelial Cells”*

2008 William Love **AADR Fellowship**

American Association Dental Research (AADR)

*“G-CSF Enhances the Angiogenic Potential of Endothelial Cells”*

2007 Marta Miyazawa **Hatton Award (1<sup>st</sup> Place, Senior category)**

International Association for Dental Research (IADR), Brazilian Section.

*“Effect of vascular endothelial growth factor receptors inhibition on tumor angiogenesis in head and neck squamous cell carcinoma”*

2007 Mabel Cordeiro **Hatton Award (Finalist, Post-doct. category)**

International Association for Dental Research (IADR), Brazilian Section.

*“Human Dental Pulp-Like Tissue Engineering Using Stem Cells and Endothelial Cells”*

2007 Esther Joo **Student Research Program**

University of Michigan School of Dentistry

*“Effect of a Small Molecule Inhibitor of Bcl-2 on Chemokine Expression in Vivo”*

2007 Lindsey Wurtzel **Student Research Program**

University of Michigan School of Dentistry

*“Role of endothelial cell-derived MMP1 on head & neck tumor cell invasion”*

2006 Elisabeta Karl **AADR Edward Hatton Award (1<sup>st</sup> Place, post-doct. category)**

American Association for Dental Research (AADR)

*“Role of Bcl-2 and Bcl-x<sub>L</sub> in oral tumor angiogenesis”*

2006 Eoin Mullane **International Student Fellowship**

Horace Rackham School of Graduate Studies - University of Michigan

*“Pulpal Revascularization in Human Tooth Slices Implanted in Immunodeficient Mice”*

2006 Elisabeta Karl **Dominic D. Dziewiatkowski Award**

University of Michigan School of Dentistry

For excellence in graduate student research

2006 Esther Joo **Student Research Program**

University of Michigan School of Dentistry

*“Effect of a Small Molecule Inhibitor of Bcl-2 on Chemokine Expression in Vivo”*

2006 Lindsey Wurtzel **Student Research Program**

University of Michigan School of Dentistry

*“Role of endothelial cell-derived MMP1 on head & neck tumor cell invasion”*

2005 Ryan Soden **AAE Graduate Student Research Award**

American Academy of Endodontics (AAE)

*“Expression of TLR2 and Proangiogenic signaling mediated by the PI3K-Akt Pathway in Odontoblast-like cells”*

2005 Matthew Pinsky **1<sup>st</sup> Place (DDS, DH, MS/Certificate competition)**

University of Michigan School of Dentistry Research Day

*“Characterization of an *in vivo* bioluminescence system for evaluation of oral cancer response to an anti-angiogenic therapy”*

2005 Bret Johnson **Student Research Program**

University of Michigan School of Dentistry

*“Role of Bcl-2 in IL-6 expression in endothelial cells”*

2005 Lindsey Wurtzel **Student Research Program**

University of Michigan School of Dentistry

*“Role of Bcl-2 in head & neck tumor cell migration”*

2004 Karen Likar **Howard Hughes Fellowship**

Howard Hughes Medical Institute Scholars Program

National Institutes of Health

2004 Karen Likar **AADR Fellowship**

American Association Dental Research (AADR)

*“Effect of Small Molecule Inhibitor of VEGFR2 Combined with an Inducible Caspase on Angiogenesis in Vitro”*

2004 Matthew Pinsky **1<sup>st</sup> Place (DDS, DH, MS/Certificate competition)**

University of Michigan School of Dentistry Research Day

*“Development and Characterization of a Novel Model System for the Study of Oral Cancer”*

2003 Paloma Dias Telles **Hatton Award (1<sup>st</sup> Place, post-doct. category)**

International Association for Dental Research (IADR), Brazilian Section.

*“Lipotheicoic acids upregulate VEGF expression in macrophages and dental pulp cells”*

2003 Matthew Pinsky **Grand Prize**

University of Michigan School of Dentistry Research Day

*“Endothelial Cell Caspase-9 and Vascularization of Oral Tumors”*

2003 Matthew Pinsky **AADR Fellowship**

American Association Dental Research (AADR)

*“iCaspase-9 mediated ablation of oral cancer microvascular network and tumor cell necrosis”*

2003 Matthew Pinsky **3<sup>rd</sup> Place, ADA Student Research**

American Dental Association ADA)

*“iCaspase-9 mediated ablation of oral cancer microvascular network and tumor cell necrosis”*

2002 Maria Gabriela Mantellini **1<sup>st</sup> Place (DDS, DH, MS/Certificate competition)**

University of Michigan School of Dentistry Research Day

*“Role of VEGF in Dental Pulp Angiogenesis”*

**SERVICE****University of Michigan****Administrative**

2015-present	Chair; Department of Cariology, Restorative Sciences, Endodontics, University of Michigan School of Dentistry
2011-2016	Co-Director; University of Michigan Head and Neck Cancer Specialized Program of Research Excellence (SPORE), National Cancer Institute (NCI/NIH)
2004-2012	Director; Cancer Research Focus Group, University of Michigan School of Dentistry

**Department Committees**

2014	Member; <i>Search Committee</i> for one clinical track and one tenure track faculty for the Division of Restorative Sciences, Department of Cariology, Restorative Sciences & Endodontics.
2013	Chair; <i>Promotion Review Committee (tenure track)</i> , Department of Cariology, Restorative Sciences and Endodontics.
2012	Member; <i>Search Committee</i> for one tenure track and one clinical track faculty for the Division of Restorative Sciences, Department of Cariology, Restorative Sciences & Endodontics.
2008	Chair; <i>Search Committee</i> for one tenure track and one clinical track faculty for the Division of Restorative Sciences, Department of Cariology, Restorative Sciences & Endodontics.
2008	Member; <i>Pre-Tenure Review Committee</i> , Department of Cariology, Restorative Sciences and Endodontics.
2007	Member; <i>Pre-Tenure Review Committee</i> , Department of Cariology, Restorative Sciences and Endodontics.
2006-2008	Member; <i>CRSE Executive Committee</i> , Department of Cariology, Restorative Sciences and Endodontics.
2004-2005	Member; <i>Search Committee</i> for the Chair of the Department of Cariology, Restorative Sciences, and Orthodontics.
2004	Member; <i>Tenure Review Committee</i> , Department of Cariology, Restorative Sciences and Endodontics.
2002-2005	Coordinator; <i>CRSE Seminar Series</i> , Department of Cariology, Restorative Sciences and Endodontics.
2002-2003	Coordinator; <i>CRSE Research Grant</i> program, Department of Cariology, Restorative Sciences and Endodontics.

**School Committees**

2021	Member; <i>Search Committee</i> for the Director of Development and Alumni Relations, School of Dentistry
2020-2025	Member; <i>Preclinical Validation Group</i> , Michigan-Pittsburgh-Wyss Regenerative Medicine Resource Center
2019	Chair; <i>Search Committee</i> for the Associate Chair of the Department of Biologic and Materials Science (BMS)

2019	Member; <i>Promotion Review Committee (research track)</i> , Department of Periodontics and Oral Medicine (POM)
2017-2018	Member; <i>Building Planning Committee - Administrative Space</i>
2017	Member; <i>Promotion Review Committee (tenure track)</i> , Department of Biologic and Materials Sciences (BMS)
2016-2018	Member; <i>Search Committee</i> for the new Chair of the Department of Biologic and Material Sciences (BMS)
2015-present	Steward; <i>Strategic Planning Domain 5 (Responsible Growth and Sustainability)</i>
2015-2016	Member; <i>Oral Health Sciences Ph.D. Admissions Committee</i>
2014	Chair; <i>Promotion Review Committee (tenure track)</i> , Department of Orthodontics and Pediatric Dentistry
2014-2015	Member; <i>Search Committee</i> for a tenure track faculty for the Department of Biologic and Material Sciences
2014	Member; <i>Promotion Review Committee (tenure track)</i> , Department of Orthodontics and Pediatric Dentistry
2012	Chair; <i>Dean Search Committee</i> for the UM School of Dentistry
2011-2015	Chair; <i>Oral Health Sciences Ph.D. Admissions Committee</i>
2011	Chair; <i>Pre-Tenure Review Committee</i> , Department of Orthodontics and Pediatric Dentistry
2011	Member; <i>Pre-Tenure Review Committee</i> , Department of Orthodontics and Pediatric Dentistry
2009-2010	Chair; <i>Search Committee</i> for faculty (3 tenure track positions) for the School of Dentistry's Cancer Biology program
2009-2011	Co-Chair; <i>Science Foundation Team</i> , the committee that re-structured the basic science content of the new curriculum of the University of Michigan School of Dentistry
2008-2011	Member; <i>Vision Implementation Team</i> , the committee that designed and implemented the new curriculum of the University of Michigan School of Dentistry
2008-2011	Member; <i>Executive Committee</i> , University of Michigan School of Dentistry
2008-2009	Member; <i>Search Committee</i> for one tenure and one clinical track faculty for the Division of Orthodontics, Department of Orthodontics and Pediatric Dentistry
2007-2010	Member; <i>Grievance Panel</i> of the UM School of Dentistry
2007	Member; <i>Review Committee</i> , of a candidate for promotion in the Research Scientist Track, Department of Biologic and Materials Sciences
2007	Member; <i>Search Committee</i> for one tenure and one clinical track faculty for the Division of Pediatric Dentistry, Department of Orthodontics and Pediatric Dentistry
2006-2007	Member; <i>International Affiliations Committee</i> of the UM School of Dentistry
2005-2007	Member; <i>Strategic Assessment Facilitating Committee (SAFCo)</i> of the UM School of Dentistry
2005-2009	Member; <i>Research Administrators Committee</i>
2004-2013	Director; <i>Cancer Research Focus Group</i> at the UM School of Dentistry

2004-2006	Chair; <i>Search Committee</i> for one tenure and one clinical track faculty for the Division of Orthodontics, Department of Orthodontics and Pediatric Dentistry
2004	Member; School of Dentistry <i>Scholars Program Committee</i>
2004	Member; <i>Research Space Renovation Committee</i>
2003-2009	Member; <i>Oral Health Sciences Ph.D. Program Committee</i>
2003-2011	Member; <i>Oral Health Sciences Ph.D. Admissions Committee</i>
2003-2009	Faculty Advisor; <i>University of Michigan Dental Student Research Group</i>
2002-2009	Member; <i>Research Committee</i> of the UM School of Dentistry
2002-2008	Member; <i>Student Research Program Committee</i>
2002-2003	Member; <i>Search Committee</i> for the Chairman of Department of Orthodontics and Pediatric Dentistry
2002-2006	Member; <i>Oversight Committee</i> for the School of Dentistry Core Facilities
2000-present	Faculty; Oral Health Sciences Ph.D. Program
1997-1998	President; <i>Michigan Oral Health Sciences Student Association</i>
1995-1997	Student Representative; <i>Oral Health Sciences Ph.D. Program Committee</i> , University of Michigan School of Dentistry

### University Committees

2019-present	Member; <i>Scientific Advisory Committee</i> , Forbes Institute for Cancer Discovery, University of Michigan Rogel Cancer Center
2018-present	Member; <i>Center for Human Growth and Development</i> , University of Michigan
2016-present	Member; <i>Cancer Cell Biology</i> of the University of Michigan Rogel Cancer Center
2014-2016	Member; <i>Senior Leadership Committee</i> , University of Michigan Rogel Cancer Center
2014-2017	Member; <i>Internal Advisory Board (IAB)</i> of the University of Michigan Breast SPORE
2014-2017	Member; <i>Internal Advisory Board (IAB)</i> of the University of Michigan and University of Colorado Bladder SPORE
2013-2014	Member; <i>Admissions Committee</i> of the <i>Cancer Biology Ph.D. Program</i> , School of Medicine
2012-present	Faculty of the <i>Cancer Biology Ph.D. Program</i> , School of Medicine.
2011-2016	Co-Director; University of Michigan <i>Head and Neck SPORE</i>
2010-2011	Member; <i>Strategic Vision Committee</i> of the University of Michigan.
2008-2015	Member; <i>Research Committee</i> , University of Michigan Rogel Cancer Center
2007-2008	Member; <i>Graduate Student Admissions Committee</i> of the Department of Biomedical Engineering, College of Engineering
2003-present	Member; <i>Head &amp; Neck Oncology Program</i> of the University of Michigan School of Medicine
2001-2016	Member; <i>Cancer Cell Biology</i> and <i>Head &amp; Neck Cancer Programs</i> of the University of Michigan Comprehensive Cancer Center
2000-present	Member; Graduate Faculty, University of Michigan



1995-1997 Member; *Graduate Student Forum*, Horace Rackham Graduate School, University of Michigan

### **National/International Committees**

#### **National Institutes of Health (NIH)**

2021-2024 Member; *National Advisory Dental and Craniofacial Research Council (NADCR)*, National Institutes of Health (NIH)

2017-2019 Chair; *Oral, Dental and Craniofacial Sciences (ODCS)* study section (R01, R21)

2014-2017 Standing Member; *Oral, Dental and Craniofacial Sciences (ODCS)* study section (R01, R21)

2013 *Ad Hoc reviewer*; *Oral, Dental and Craniofacial Sciences (ODCS)* study section (R01, R21)

2012 *Ad Hoc reviewer (site visit)*; Molecular Carcinogenesis research program at the NIH/NIDCR

2012 Member; *Special Emphasis Panel – Member Conflict: Oral Biology and Craniofacial Development* (R21)

2012 Member; *NIH/NIDCR Special Emphasis Panel – SBIR/STTR grant applications* (R43)

2011, 2013 Member; *Special Emphasis Panel – Member Conflict: Musculoskeletal, Oral and Skin Sciences* (R01)

2011 Member; *NIH/NIDCR Special Emphasis Panel – SBIR/STTR grant applications* (R43)

2010 Member; *NIH/NCI Special Emphasis Panel – Oncology I - Basic Translational* (R01)

2009 Member; *NIH/NIDCR Special Emphasis Panel – Translational Application of Gene Silencing Strategies to Oral and Craniofacial Disorders* (R21)

2008 *External reviewer*; Molecular Carcinogenesis research program at NIH/NIDCR

2005-2009 Standing Member; *Developmental Therapeutics (DT)* study section, Oncological Sciences (R01, R21)

2004 Member; *NIH/NIDCR Special Emphasis Panel–AIDS-Related Oral Malignancies & Tumor* (R01)

#### **International Association of Dental Research (IADR) / American Association of Dental, Oral and Craniofacial Research (AADOCR, formerly named AADR)**

2023-2026 Member; *AADOCR Honorary Membership Committee*

2022-2023 Immediate Past President; *American Association for Dental, Oral and Craniofacial Research (AADOCR)*

2022-2023 Chair; *Strategic & Operational Planning Committee (SOPC, AADOCR)*

2022-2023 President-Elect; *Stem Cell Biology Group (IADR)*

2021-2022 President; *American Association for Dental, Oral and Craniofacial Research (AADOCR)*

2017-2020 Member; *IADR Nominating Committee*

2014-2015 Chair; *IADR Hatton Awards Committee*

2014-2017	Member; <i>AADR Fellowships Committee</i>
2013-2014	President; <i>Michigan Section of the AADR</i>
2012-2015	Member; <i>IADR Award Reviews Committee</i>
2012-2013	President; <i>IADR Pulp Biology and Regeneration Group</i>
2010-present	Member; <i>IADR/AADR Publications Committee</i>
2010-present	Associate Editor; <i>Journal of Dental Research</i>
2010-2020	Councilor (AADR); <i>Pulp Biology and Regeneration Group</i>
2009-2011	Chair; <i>AADR Hatton Awards Committee</i>
2008-2011	Member; <i>AADR Hatton Awards Committee</i>
2005-2008	Member; <i>AADR Science Information Committee</i>
2001-2004	Member; <i>AADR Fellowships Committee</i>
1992-present	Member

#### **American Association for the Advancement of Science (AAAS)**

2019-2020	Chair; <i>Section on Dentistry &amp; Oral Health Sciences (Section R)</i>
2011-2014	Council Delegate; <i>Section on Dentistry &amp; Oral Health Sciences (Section R)</i>
2008-2011	Council Delegate; <i>Section on Dentistry &amp; Oral Health Sciences (Section R)</i>
1998-present	Member

#### **American Head and Neck Society (AHNS)**

2018-2021	Member; <i>AHNS 2021 Program Committee</i>
2016-present	Member

#### **American Association for Cancer Research (AACR)**

2000-present	Member
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#### **American Association of Endodontists (AAE)**

2016-present	Member
2004-present	Member; <i>Scientific Advisory Board, Journal of Endodontics</i>

#### **Omicron Kappa Upsilon, Honorary Dental Society**

2009-2010	President
2005-present	Member

#### **University of Texas - MD Anderson Cancer Center**

2013-2018	Member; <i>External Advisory Board (EAB) for the Head and Neck SPORE</i>
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#### **University of Wisconsin**

2017-present	Member; <i>External Advisory Board (EAB) for the Head and Neck SPORE</i>
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#### **Boston University**

2017-2019 Member; *External Advisory Board (EAB)* for the Head and Neck SPORE application

#### **Ohio State University School of Dentistry**

2020-present Member; *External Advisory Committee (EAC)* for Training Grant

#### **Oregon Health & Science University School of Dentistry**

2020-present Member; *External Advisory Committee (EAC)* for the Training Grant in Biomaterials and Tissue Engineering application

#### **University of Texas Health Science Center at San Antonio, School of Dentistry**

2022-present Member; *External Advisory Committee (EAC)* for the Integrated Multidisciplinary Practice-Based Research Experience

#### **U.S. Bone and Joint Decade - Young Investigators Initiative**

2011-present Reviewer/Mentor for junior faculty

#### **University of Birmingham, England**

2016 External Reviewer of PhD Dissertation (Hal Duncan), mentored by Paul Cooper and Anthony Smith

2008 Reviewer; PhD Studentships, College of Medical and Dental Sciences

#### **Peruvian University of Health Sciences (UPC), Peru**

2008 Member; External Advisory Panel

#### **Health Research Board (HRB), Ireland**

2007 Grant reviewer

#### **Raine Medical Research Foundation, Australia**

2004 Grant reviewer

#### **Symposia Organizer**

2020 Organizer; Symposium on "Oral Cancer: Using the HPV Vaccine for Prevention", American Association for Advancement of Sciences (AAAS), Seattle, WA, USA

2016 Organizing Committee; Symposium of the Pulp Biology and Regeneration Group (PBRG), International Association for Dental Research (IADR), Nagoya, Japan

2013 Organizer; Symposium of the Pulp Biology and Regeneration Group (PBRG), International Association for Dental Research (IADR), San Francisco, CA, USA

2012 Organizer & PI of a R13 NIH conference grant; 1<sup>st</sup> International Symposium on Head and Neck Cancer Stem Cells, University of Michigan, Ann Arbor, MI, USA

#### **Conference Organization**

2021 Program committee; 10<sup>th</sup> International Conference on Head and Neck Cancer, American Head and Neck Society (AHNS), Chicago, Illinois

**Editorial Service****Associate Editor**

2010-present *Journal of Dental Research*

**Senior Editorial Board**

2011-2018 *American Journal of Cancer Research*

2011-2019 *Journal of Cancer Therapeutics and Research*

**Editorial Boards**

2019 *Clinical Oral Investigations*

2015 *Revista de Odontopediatria Latinoamericana [Latin American Journal of Pediatric Dentistry]*

2013 *International Journal of Oral Science*

2013 *Brazilian Journal of Dentistry*

2013 *Revista de la Asociación Argentina de Odontología para Niños [Argentinian Association of Pediatric Dentistry]*

2012 *Stem Cells in Oral Medicine*

2011 *Oral Oncology*

2011 *American Journal of Molecular Biology*

2011 *Journal of Cancer Therapeutics and Research*

2011 *Frontiers in Craniofacial Biology*

2011 *Dentistry: Current Research*

2011 *Open Journal of Stomatology*

2010 *World Journal of Clinical Oncology*

2008 *Journal of Epithelial Biology & Pharmacology*

2008 *Revista da ABOPREV [Journal Brazilian Association of Preventive Dentistry]*

2008 *Brazilian Journal of Health*

2008 *Revista Ortodontia Gaucha [Journal of Orthodontics of Rio Grande do Sul, Brazil]*

2008 *UNOPAR Científica Ciências Biológicas e da Saúde [UNOPAR Health and Biological Sciences, Brazil]*

2008 *Revista Odontologia Pediatrica [Journal of Pediatric Dentistry, Peru]*

2007 *Revista Odonto Ciência [Journal of Dental Sciences, Brazil]*

2007 *International Journal of Brazilian Dentistry*

2005-2010 *Journal of Dental Research*

2005-2008 *International Journal of Oral and Maxillofacial Surgery*

2005-2008 *Journal of Dentistry for Children*

2004 *Journal of Endodontics*

2004 *CES Odontologia [Journal of the Health Sciences University, Colombia]*

2002 *Journal of Applied Oral Sciences*

2002 *Jornal Brasileiro de Odontopediatria & Odontologia do Bebê [Brazilian Journal of Pediatric and Infant Dentistry]*

2001 *Operative Dentistry*

2001-2005 *Pediatric Dentistry*

**Ad Hoc Reviewer**

2022-present *JCI Insight*

2017-present *Nature Communications*

2017-present *Proceedings of the National Academy of Sciences (PNAS)*

2017-present *Scientific Reports*

2015-present *Frontiers in Physiology*

2013-present *International Journal of Oral Sciences*

2011-present *Experimental Cell Research*  
 2011-present *eCells and Materials*  
 2011-present *Oral Diseases*  
 2011-present *Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology, Endodontology*  
 2011-present *ISRN Dentistry*  
 2011-present *Regenerative Medicine*  
 2011-present *Clinical Oral Investigations*  
 2010-present *FASEB Journal*  
 2010-present *Trends in Cell Biology*  
 2010-present *Journal of Tissue Engineering and Regenerative Medicine*  
 2010-present *Cells Tissues Organs*  
 2010-present *Brain Research*  
 2009-present *Oncogene*  
 2009-present *Journal of Medicinal Chemistry*  
 2009-present *PLoS ONE*  
 2009-present *Cancer Biology & Therapy*  
 2009-present *Cancer Epidemiology, Biomarkers and Prevention*  
 2009-present *Cancer Letters*  
 2009-present *Tissue Engineering*  
 2009-present *Journal of Oral Pathology and Medicine*  
 2009-present *International Endodontic Journal*  
 2009-present *Odontology*  
 2009-present *Cell Biology International*  
 2008-present *Science*  
 2008-present *American Journal of Physiology*  
 2008-present *Neoplasia*  
 2008-present *Journal of Cellular Biochemistry*  
 2008-present *Laboratory Investigation*  
 2008-present *Stem Cells and Development*  
 2008-present *Biomaterials*  
 2008-present *BMC Cell Biology*  
 2008-present *Journal of Public Health Dentistry*  
 2008-present *Head & Neck*  
 2008-present *Biotechniques*  
 2007-present *Molecular Cancer Therapy*  
 2007-present *Journal of Cellular and Molecular Medicine*  
 2007-present *International Journal of Cancer*  
 2007-present *Journal of Biomedical Materials Research*  
 2006-present *Clinical Cancer Research*  
 2006-present *Molecular Therapy*  
 2006-present *Peptides*  
 2006-present *International Journal of Pediatric Dentistry*  
 2005-present *Cancer Research*  
 2005-present *Journal of Clinical Oncology*  
 2005-present *FEBS Letters*  
 2005-present *Cell Death and Differentiation*  
 2005-present *Developmental Dynamics*  
 2005-present *Archives of Oral Biology*  
 2005-present *American Journal of Dentistry*  
 2005-present *Acta Biomaterialia*  
 2004-present *Gene Therapy*  
 2004-present *Microcirculation*  
 2004-present *Journal of Dentistry*  
 2004-present *International Journal of Oral and Maxillofacial Surgery*

2003-present	<i>European Journal of Oral Sciences</i>
2003-present	<i>Journal of Dentistry for Children</i>
2001-present	<i>American Journal of Pathology</i>
2001-present	<i>Angiogenesis</i>
2001-present	<i>Journal of Dental Research</i>
1999-present	<i>Pediatric Dentistry</i>

## RESEARCH

**H-index:** 73; **i10-index:** 195 (17,999 citations by June 2023)

## Publications

### Published Articles (Peer-reviewed)

1. Sahara S, Warner KA, Herzog AE, Zhang Z, **Nör JE**. Therapeutic inhibition of Bmi-1 ablates chemoresistant cancer stem cells and prevents relapse of Adenoid Cystic Carcinoma. Oral Oncol (*In press*).
2. Herzog AE, Somayaji R, **Nör JE**. Bmi-1: a master regulator of head and neck cancer stemness. Front Oral Health 4:1080255, 2023. PMID: PMC9884974
3. Pulverini PJ, Nor F, **Nör JE**. How Crosstalk between cancer stem cells and the tumor microenvironment drives progression of premalignant oral epithelium. Front Oral Health 3:1095842, 2023. PMID: PMC9872128
4. Dubey N, Ribeiro JS, Zhang Z, Xu J, Ferreira JA, Qu L, Mei L, J. Fenno C, Schwendeman A, Schwendeman SP, **Nör JE**, Bottino MC. Gelatin methacryloyl hydrogel as an injectable scaffold with multi-therapeutic effects to promote antimicrobial disinfection and angiogenesis for Regenerative Endodontics. J Mat Chem B 11(17):3823-3835, 2023. PMID: PMC10160005
1. Li A, Sasaki JI, Inubushi T, Abe GL, **Nör JE**, Yamashiro T, Imazato S. Role of heparan sulfate on vasculogenesis of dental pulp stem cells. J Dent Res 102(2):207-216, 2023. PMID: 36281071
2. Kim Y, Park HJ, Kim MK, Kim YI, Kim HJ, Bae SK **Nör JE**, Bae MK. Naringenin stimulates osteogenic/odontogenic differentiation and migration of human dental pulp stem cells. J Dent Sci 18(2):577-585, 2023. PMID: PMC10068380
3. Rodriguez-Ramirez C, Warner KA, Herzog AE, Mantesso A, Zhang Z, Yoon E, Wicha MS, **Nör JE**. p53 inhibits Bmi-1-driven self-renewal and defines salivary gland cancer stemness. Clin Cancer Res 28(21):4757-4770, 2022. PMID: PMC9633396
4. Zhang Z, Warner KA, Mantesso A, **Nör JE**. PDGF-BB signaling via PDGFR- $\beta$  regulates the maturation of blood vessels generated upon vasculogenic differentiation of dental pulp stem cells. Frontiers Cell Dev Biol 10:977725, 2022. PMID: PMC9627550
5. Emerick C, Mariano FV, Vargas PA, **Nör JE**, Squarize CH, Castilho RM. Adenoid Cystic Carcinoma from the salivary and lacrimal glands and the breast: different clinical outcomes to the same tumor. Crit Rev Oncol Hematol 179:103792, 2022. PMID: 35973662
6. Silva LC, Borgato GB, Wagner VP, Martins MD, Rocha GZ, Lopes MA, Santos-Silva AL, Castro G, Kowalski LP, **Nör JE**, Squarize CH, Castilho RM, Vargas PA. Cephaeline is an inductor of histone H3 acetylation and inhibitor of mucoepidermoid carcinoma cancer stem cells. J Oral Path Med 51(6):553-556, 2022. PMID: PMC9013730
7. Mantesso A, Zhang Z, Warner KA, Herzog AE, Pulianmackal A, **Nör JE**. Pulpbow: A method to study the vasculogenic potential of mesenchymal stem cells from the dental pulp. Cells 10(11):2804, 2021. PMID: PMC8616523
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9. DePeralta T, **Nör JE**. Regeneration of the Living Pulp. In: M. Goldberg (Ed.), *The dental pulp: biology, pathology, and regenerative therapies* (1<sup>st</sup> Edition). Elsevier; 2015.
10. Kaneko T, **Nör JE**, Okiji T. Laser capture microdissection in oral cancer research: a review. In: *The Research and Biology of Cancer* (1<sup>st</sup> Edition). iConcept Press; 2012.
11. Kaneko T, Okiji T, Kaneko R, Suda H, **Nör JE**. Laser Capture Microdissection for Factor VIII-expressing endothelial cells in cancer tissues. in: *laser microdissection: methods and protocols* (2<sup>nd</sup> Edition). Springer-Verlag GmbH; 2011.
12. Zeitlin BD, **Nör JE**. Small molecule inhibitors reveal a new function for Bcl-2 as a pro-angiogenic signaling molecule. In: L. Vassilev, D. Fry (Eds.), *Small molecules affecting protein-protein interactions*. Springer; 2010.
13. **Nör JE**. Odontología restauradora en odontología pediátrica [Operative dentistry for children and adolescents]. In: Noemi Bordoni, Alfonso Escobar, Ramon Castillo (Eds.), *Odontología Pediátrica: El Niño y el Adolescente en el Mundo Contemporáneo* [Pediatric dentistry: the child and adolescent in the contemporary world]. Editora Latinoamericana; 2010.
14. Aranha AM, **Nör JE**. Traumatismo na dentição decidua [Trauma in primary teeth]. In: Cristiane Duque, Lizia Antunes (Eds.), *Pediatric Dentistry – a contemporary approach*. Editora Santos; 2010.
15. Kaneko T, **Nör JE**. Laser-capture microdissection from formaldehyde-fixated and demineralized paraffin embedded tissues. In: A. Méndez-Vilas, J. Díaz (Eds.), *Microscopy: Science, Technology, Applications and Education*. Formatex Research Center; 2010.
16. **Nör JE**. Genética e biologia molecular na promoção de saúde [Genetics and molecular biology in the promotion of oral health]. In: Orlando Ayrton Toledo (Ed.), *Odontopediatria* [Pediatric Dentistry]. Editorial Premier; 2005.

### Published Theses

1. **Nör JE**. The role of endothelial cell survival and death signals in angiogenesis. *PhD Thesis*. Ann Arbor, MI, University of Michigan, (University of Michigan Microfilms), 1999: 123 pp.
2. **Nör JE**. Dentin bonding: SEM comparison of dentin surface and resin-dentin interface in primary and permanent teeth. *MS Thesis*. Ann Arbor, MI, University of Michigan, Department of Orthodontics and Pediatric Dentistry, (University of Michigan Microfilms) 1994: 169 pp.

### Special Issues (Guest Editor)

1. **Nör JE**, Gutkind JS. Head and neck cancer. *J Dent Res* 97(6):601-725, 2018
2. Klein O, **Nör JE**. Craniofacial stem cells in health and disease. *J Dent Res* 94:1485-617, 2015

### GRANTS

#### NIH and Other Federal Grants and Contracts (Active Grants)

*“Perivascular niche for salivary gland cancer stem cells and resistance to therapy”*

Grant Type or Number:	<b>1 R01-DE021139-11</b>
Sponsor:	NIH/NIDCR
Grant Period:	02.01.2011 – 04.30.2027
Grant amount:	\$ 1,250,000 (total direct costs)
Principal Investigator:	J. Nör [20%]

*“Mechanisms of dental pulp stem cell differentiation into functional endothelium”*

Grant Type or Number: **1 R01-DE021410-10**  
 Sponsor: NIH  
 Grant Period: 7.1.2011-3.31.2023  
 Grant amount: 1,187,500 (total direct costs)  
 Principal Investigator: J. Nör [20%]

*“Novel therapeutics to treat necrotic teeth: the combinatorial effect of a 3D drug delivery system and spatially designed stem cell niches”*

Grant Type or Number: **1 R01-DE026578**  
 Sponsor: NIH/NIDCR  
 Grant Period: 08.01.2017 – 07.31.2023  
 Grant amount: \$ 1,250,000 (total direct costs)  
 Principal Investigator: M. Bottino  
 Co-Investigator: J. Nör [5%]

*“Michigan-Pittsburgh-Wyss Resource Center: Advancing Dental, Oral and Craniofacial Regeneration to Clinical trial Initiation”*

Grant Type or Number: **1 U24-DE029462**  
 Sponsor: NIH/NIDCR  
 Grant Period: 05.01.2020 – 04.30.2025  
 Grant amount: \$21,968,775 (total direct costs)  
 Principal Investigator: D. Kohn  
 Co-Investigator: J. Nör [2.5%]

**NIH and Other Federal Grants and Contracts (Pending Grants)****NIH and Other Federal Grants and Contracts (Completed grants)***“Neovascular Regression for Oral Cancer Therapy”*

Grant Type or Number: **1R01-DE014601**  
 Sponsor: NIH/NIDCR  
 Grant Period: 04.01.2002 - 03.31.2008  
 Grant amount: 1,309,065 (total costs)  
 Principal Investigator: J. Nör

*“Endothelial Cell Caspase-9 and Vascularization of Oral Tumors”*

Grant Type or Number: Student Research Program (University of Michigan)  
 Sponsor: NIH/NIDCR  
 Grant Period: 04.01.2002 – 03.31.2003  
 Grant amount: 4,539  
 Principal Investigator: M. Pinsky (J. Nör, Mentor of the P.I., Dental Student, UM)

*“Mechanisms of Resistance to Anti-angiogenic Therapy for Head and Neck Cancer”*

Grant Type or Number: Head and Neck SPORE Developmental Research Grant  
 Sponsor: NIH/NCI  
 Grant Period: 01.01.2003 – 12.31.2004  
 Grant amount: 45,000  
 Principal Investigator: J. Nör

*“Bcl-2 and CXC Chemokines in Head & Neck Tumor Angiogenesis and Metastasis”*

Grant Type or Number: **1R01-DE015948**  
 Sponsor: NIH/NIDCR  
 Grant Period: 03.01.2004 - 02.28.2010

Grant amount: 1,912,500 (total costs)  
Principal Investigator: J. Nör

*“Small Molecule Inhibitors of Bcl-2/Bcl-x<sub>L</sub> and Prostate Tumor Angiogenesis”*

Grant Type or Number: **PC040286**  
Sponsor: United States Department of Defense  
Grant Period: 08.01.2004-03.31.2006  
Grant amount: 114,352 (total direct costs)  
Principal Investigator: J. Nör

*“VEGF and Bone Remodeling in Skeletal Metastases”*

Grant Type or Number: **1 R01-CA103109**  
Sponsor: NIH/NCI  
Grant Period: 09/01/03-08/31/06  
Grant amount: 912,072 (total direct costs)  
Principal Investigator: E. Keller, UM Medical School [J. Nör, Co-I]

*“Metronomic Small Molecule Inhibitor of Bcl-2 in Head & Neck Cancer Therapy”*

Grant Type or Number: **5 P50 CA97248-05** (Head & Neck SPORE) – Bridging Funds  
Sponsor: NIH/NCI  
Grant Period: 2007-2008  
Grant amount: 1,000,000 (total costs)  
Principal Investigator: G. Wolf, UM Medical School [J. Nör, PI of Project #1]

*“BMPs and Prostate Cancer Skeletal Metastases”*

Grant Type or Number: In Program Project: "The Biology of Skeletal Metastases"  
**1 P01-CA093900**  
Sponsor: NIH/NCI  
Grant Period: 07/01/04-06/30/09  
Grant amount: 5,621,085 (total costs)  
Principal Investigator: E. Keller, UM Medical School [J. Nör, Co-I]

*“VEGF Signal Transduction and Tumor Angiogenesis”*

Grant Type or Number: **R01-CA81419-05**  
Sponsor: NIH/NCI  
Grant Period: 02/01/04-01/31/09  
Grant amount: 1,550,000 (total costs)  
Principal Investigator: K. Pumiglia, Albany Medical College [J. Nör, Co-I, 1<sup>st</sup> & 2<sup>nd</sup> yr]

*“Small Molecule Inhibitors of Bcl-2 and Tumor Angiogenesis”*

Grant Type or Number: **1 R01-DE016586-01**  
Sponsor: NIH/NIDCR/NCI  
Grant Period: 04.01.2005-03.31.2011  
Grant amount: 1,811,020 (total costs)  
Principal Investigator: J. Nör

*“Endothelial and head & neck cancer stem cell crosstalk and resistance to therapy”*

Grant Type or Number: **1 R21 DE019279-01**  
Sponsor: NIH/NIDCR  
Grant Period: 2008-2010  
Grant amount: 275,000 (total direct costs)  
Principal Investigator: J. Nör

*“Oral Cancer, Chemoprevention, and Anti-Angiogenesis”*

Grant Type or Number: **2 R01-DE012322-06**  
Sponsor: NIH/NIDCR  
Grant Period: 02/01/05-01/31/11  
Grant amount: 1,500,000 (total costs)

Principal Investigator: M. Lingen, University Chicago [J. Nör, Co-I, 4<sup>th</sup> and 5<sup>th</sup> year]

*“First Symposium on Head and Neck Cancer Stem Cells”*

Grant Type or Number: **1 U13-DE022202-01**  
 Sponsor: NIH  
 Grant Period: 2011-2012  
 Grant amount: 30,000 (total direct costs)  
 Principal Investigator: J. Nör

*“Metronomic Small Molecule Inhibitor of Bcl-2 in Head & Neck Cancer Therapy”*

Grant Type or Number: **5 P50-CA97248-05** (Head & Neck SPORE)  
 Sponsor: NIH/NCI  
 Grant Period: 2008-2016  
 Grant amount: 983,059 (total direct costs, Project #1)  
 Principal Investigator: J. Nör [15%]

*“SPORE in Head and Neck Cancer: The molecular basis of head and neck cancer biology, treatment, and prevention”*

Grant Type or Number: **5 P50-CA97248-05** (Head & Neck SPORE)  
 Sponsor: NIH/NCI  
 Grant Period: 2008-2016  
 Grant amount: 8,673,924 (total direct costs)  
 Principal Investigator: G. Wolf [J. Nör, Co-Director, 5%]

*“Therapeutic Inhibition of MDM2/Bcl-2 in Pre-clinical Models of Adenoid Cystic Carcinoma”*

Grant Type or Number: **1 R01-DE023220-04**  
 Sponsor: NIH/NIDCR  
 Grant Period: 9.1.2012-8.31.2017  
 Grant amount: 1,000,000 (total direct costs)  
 Principal Investigator: J. Nör [20%]

*“Perivascular niche for salivary gland cancer stem cells and resistance to therapy”*

Grant Type or Number: **1 R01-DE021139-S1**  
 Sponsor: NIH/NIDCR  
 Grant Period: 01.01.2018 – 12.31.2019  
 Grant amount: \$ 67,680 (total direct costs)  
 Principal Investigator: J. Nör  
 Supplement: C. Rodriguez-Ramirez [50%]

### **Corporate/Foundation Research Grants (Active grants)**

### **Corporate/Foundation Research Grants (Completed grants)**

*“Chemically-Induced Activation of Endothelial Cell Caspases and Tumor Growth”*

Grant Type or Number: American Cancer Society Institutional Research Grant  
 Sponsor: American Cancer Society  
 Grant Period: 2.1.00 – 1.31.01  
 Grant amount: 12,500  
 Principal Investigator: J. Nör

*“Targeting the Caspase-9 Apoptotic Pathway in the Microvessels of Oral Tumors”*

Grant Type or Number: New Dentist Scientist Award  
 Sponsor: American Dental Association Health Foundation  
 Grant Period: 9.1.01 – 8.30.02



Grant amount: 15,000  
Principal Investigator: J. Nör

*“Role of Vascular Endothelial Growth Factor in Dental Pulp Angiogenesis”*

Sponsor: Delta Dental Fund  
Grant Period: 03.21.02 - 03.20.03  
Grant amount: 2,864  
Principal Investigator: M.G. Mantellini (J. Nör, Mentor of the P.I., Graduate Student)

*“Signaling Pathways of VEGF Expression in Caries-Induced Pulp Angiogenesis”*

Sponsor: American Association of Endodontics  
Grant Period: 01.01.04 - 12.31.04  
Grant amount: 20,750  
Principal Investigator: T. Botero (J. Nör, Mentor of the P.I., Assistant Professor, UM)

*“iCaspase-9-mediated ablation of oral cancer neovascular networks”*

Grant Type or Number: AADR Research Fellowship  
Sponsor: American Association for Dental Research  
Grant Period: 04.01.03 – 03.31.05  
Grant amount: 6,092  
Principal Investigator: M. Pinsky (J. Nör, Mentor of the P.I., Dental Student, UM)

*“Effect of a Small Molecule Inhibitor of VEGFR-2 Combined with an Inducible Caspase on Angiogenesis in Vitro”*

Grant Type or Number: AADR Research Fellowship  
Sponsor: American Association for Dental Research  
Grant Period: 04.01.04 – 03.31.05  
Grant amount: 6,092  
Principal Investigator: K. Likar (J. Nör, Mentor of the P.I., Dental Student, UM)

*“Angiogenic signaling induced by bacterial products in the dental pulp”*

Sponsor: Delta Dental Fund  
Grant Period: 06.01.06 - 05.31.07  
Grant amount: 3,000  
Principal Investigator: V. Phuntikaphadr (J. Nör, Mentor of the P.I., Graduate Student)

*“Dental pulp tissue engineering: a novel strategy based on the use of dental stem cells seeded in biodegradable scaffolds in tooth slices”*

Sponsor: Delta Dental Fund  
Grant Period: 05.01.06 - 05.31.07  
Grant amount: 3,000  
Principal Investigator: A. Jaquery (J. Nör, Mentor of the P.I., Graduate Student)

*“Caries-induced Angiogenesis”*

Sponsor: American Association of Endodontics Foundation  
Grant Period: 05.01.08 - 04.30.09  
Grant amount: 22,510  
Principal Investigator: Tatiana Botero (J. Nör, Co-I)

*“Mechanisms underlying the differentiation of Dental Pulp Stem Cells (DPSCs) in Neovascular Endothelial cells”*

Sponsor: American Association of Endodontics Foundation  
Grant Period: 05.01.08 - 04.30.09  
Grant amount: 13,500  
Principal Investigator: C. Quinlan (J. Nör, Mentor of the P.I., Graduate Student)

*“Effect of LA485 on tumor angiogenesis”*

Grant Type or Number: **N011619**  
 Sponsor: Lilly Pharmaceuticals  
 Grant Period: 9.3.2009 –28.2.2010  
 Grant amount: 21,962  
 Principal Investigator: J. Nör

*“Effect of LA485 on tumor angiogenesis”*

Grant Type or Number: **N011619 - Amendment**  
 Sponsor: Lilly Pharmaceuticals  
 Grant Period: 1.1.2010 – 12.31.2010  
 Grant amount: 184,891.00  
 Principal Investigator: J. Nör

*“Stem cells in adenoid cystic carcinoma”*

Grant Type or Number: **Research Grant**  
 Sponsor: Adenoid Cystic Carcinoma Research Foundation (ACCRF)  
 Grant Period: 3.1.2011 – 6.1.2014  
 Grant amount: 115,502  
 Principal Investigator: J. Nör

*“Therapeutic potential of Medimmune assets in head and neck cancer”*

Grant Type or Number: **Research Grant**  
 Sponsor: Medimmune/University of Michigan Research Alliance  
 Grant Period: 6.1.2012 – 8.15.2017  
 Grant amount: 675,000 (total direct costs)  
 Principal Investigator: J. Nör

**University Grants and Contracts (Completed grants)**

*“Targeting Microvascular Endothelial Cells in Breast Cancer with Adenovirus”*

Grant Type or Number: **Innovation Grant**  
 Sponsor: Comprehensive Cancer Center, University of Michigan  
 Grant Period: 6.1.01 – 5.31.02  
 Grant amount: 50,000  
 Principal Investigator: G. Nunez, UM Medical School (J. Nör, Co-I)

*“Mechanisms of resistance to anti-angiogenic therapy for head and neck cancer”*

Grant Type or Number: **Developmental research program-Head & Neck SPORE**  
 Sponsor: University of Michigan Cancer Center  
 Grant Period: 01.01.03 – 12.31.03  
 Grant amount: 50,000  
 Principal Investigator: J. Nör

*“Signaling Pathways of VEGF Expression in Caries-Induced Pulp Angiogenesis”*

Grant Type or Number: **CRSE Research Grant**  
 Sponsor: CRSE Department, School of Dentistry  
 Grant Period: 01.01.03 - 12.31.03  
 Grant amount: 15,000  
 Principal Investigator: T. Botero, UM School of Dentistry (J. Nör, Co-I)

*“Effect of BMPs in Endothelial Cell Survival”*

Grant Type or Number: **CRSE Research Grant**  
 Sponsor: CRSE Department, School of Dentistry  
 Grant Period: 05.01.03 - 04.31.04  
 Grant amount: 20,000  
 Principal Investigator: M.G. Mantellini, UM School of Dentistry (J. Nör, Co-I)

*“Exploring the Use of Cytokine Antibody Arrays and a Neuron-Like Cell Line”*

Grant Type or Number: **CRSE Research Grant**  
 Sponsor: CRSE Department, School of Dentistry  
 Grant Period: 05.01.03 - 04.31.04  
 Grant amount: 15,000  
 Principal Investigator: G.R. Holland, UM School of Dentistry (J. Nör, Co-I)

*“Endothelial cells and survival of head & neck cancer stem cells”*

Grant Type or Number: **Idea grant (RFA, Stem cells)**  
 Sponsor: University of Michigan Cancer Center  
 Grant Period: 02.01.2008 – 01.31.2009  
 Grant amount: 50,000  
 Principal Investigator: J. Nör

*“SCID Mouse Model of Human Salivary Gland Tumor Angiogenesis”*

Grant Type or Number: **Developmental research program-Head & Neck SPORE**  
 Sponsor: University of Michigan Cancer Center  
 Grant Period: 07.01.2009 – 06.30.2011  
 Grant amount: 50,000  
 Principal Investigator: J. Nör

*“Cancer Stem Cell Vaccine”*

Grant Type or Number: **MCubed**  
 Sponsor: University of Michigan  
 Grant Period: 01.01.2013 – 12.31.2015  
 Grant amount: 60,000  
 Principal Investigators: J. Nör, Q. Liao, M. Prince

**PRESENTATIONS****Invited Research Presentations**

- 1995.07 *Dentin Bonding in Pediatric Dentistry*. XII International Meeting of Dentistry, Rio de Janeiro, Brazil.
- 1999.01 *The SCID Mouse: A Novel Model for Studying Human Angiogenesis*. Distinguished Faculty and Student Seminar Series, University of Michigan, Ann Arbor, Michigan.
- 1999.01 *VEGF Regulate Angiogenesis by Controlling Endothelial Cell Survival*. Comprehensive Cancer Center (Apoptosis Seminar Series), University of Michigan, Ann Arbor, Michigan.
- 1999.10 *Molecular Biology in Preventive Dentistry*. XXV Dental Meeting of Santa Catarina, Joinville, Brazil.
- 2000.03 *Caspase-9 Induced Endothelial Cell Apoptosis*. Comprehensive Cancer Center (Apoptosis Seminar Series), University of Michigan, Ann Arbor, Michigan.
- 2000.08 *Molecular Biology in Dentistry*. X Latin American Meeting of Pediatric Dentistry, Santiago, Chile.
- 2000.10 *Molecular Mechanisms of Endothelial Cell Apoptosis*. University of Minnesota School of Dentistry, Minneapolis, Minnesota.
- 2001.09 *Diagnosis and Treatment of Caries in Pediatric Dentistry*. Brazilian Meeting of Pediatric Dentistry, Salvador, Brazil.
- 2001.11 *Research in Pediatric Dentistry*. Meeting of the Brazilian Group of Professors and Graduate Students of Orthodontics and Pediatric Dentistry, Gramado, Brazil.
- 2002.03 *Molecular Mechanisms of Endothelial Cell Apoptosis*. Pharma/Novartis, Washington, DC.

- 2002.05 *Endothelial Cell Survival and Death Signals in Tumor Angiogenesis*. Comprehensive Cancer Center (Head and Neck Oncology Program), University of Michigan, Ann Arbor, Michigan.
- 2002.06 *Endothelial Cell Survival and Death Signals in Tumor Angiogenesis*. Comprehensive Cancer Center (Connective Tissue Oncology Program), University of Michigan, Ann Arbor, Michigan.
- 2002.07 *Molecular Biology in Preventive Dentistry*. Meeting of the Brazilian Association of Preventive Dentistry (ABOPREV), Sao Paulo, Brazil.
- 2002.09 *Molecular Biology in Pulp Biology*. Meeting of the Brazilian Dental Association – Goiás Section, Brazil.
- 2002.12 *Endothelial Cell Survival and Death Signals in Tumor Angiogenesis*. University of Medicine and Dentistry of New Jersey (UMDNJ Research Seminar Series), Newark, New Jersey.
- 2002.12 *Endothelial Cell Survival and Death Signals in Tumor Angiogenesis*. University of Wisconsin Comprehensive Cancer Center, Madison, Wisconsin.
- 2003.01 *Endothelial Cell Survival and Death Signals in Tumor Angiogenesis*. Research Seminar at the Ottawa Regional Cancer Centre, Ottawa, Canada.
- 2003.03 *Molecular Biology in Pulp Biology*. Brazilian Dental Association – Brasilia Section, Brasilia, Brazil.
- 2003.04 *Endothelial Cell Survival and Death Signals in Tumor Angiogenesis*. Research Seminar at Rigel Biotechnologies - San Francisco, California.
- 2004.02 *Molecular Biology and Tissue Engineering in Pulp Biology*. Meeting of the Venezuelan College of Dentistry – Caracas, Venezuela.
- 2004.02 *Tumor Angiogenesis: Regulation of Endothelial Cell Survival and Death Signals*. University of Michigan School of Medicine (Hematology/Oncology Program), Ann Arbor, Michigan.
- 2004.03 *Endothelial Cell Survival and Death Signals in Tumor Angiogenesis*. Oral Health Sciences Seminar Series, University of Michigan School of Dentistry, Ann Arbor, Michigan.
- 2004.07 *A novel role for Bcl-2 in Tumor Angiogenesis*. Comprehensive Cancer Center (Bone Metastasis Program), University of Michigan, Ann Arbor, Michigan.
- 2005.02 *Bcl-2 and CXC chemokines in head and neck tumor angiogenesis*. Third Annual Opinion Leader Consortium on Novel and Targeted Therapies for Head and Neck Cancer. Cancun, Mexico.
- 2005.03 *Bcl-2 and CXC chemokines in head and neck tumor angiogenesis*. Grand Rounds, Cancer Center, Medical School, University of Wisconsin. Madison, Wisconsin.
- 2005.05 *Regulation of Endothelial Cell Survival & Wound Healing*. Research Seminar at the Meeting of the American Association of Oral Maxillofacial Surgery. Chicago, Illinois.
- 2005.05 *Role of Bcl-2 in tumor angiogenesis: Biological studies*. Research Seminar at the Cancer Modeling Workshop entitled “Dynamics of Cancer: Modeling and Experiment” – Michigan Center of Theoretical Physics, University of Michigan. Ann Arbor, Michigan.
- 2005.06 Research Seminar at the Cayetano Heredia Peruvian Dental School – Lima, Peru.
- 2005.06 *Understanding the role of Bcl-2 in tumor angiogenesis*. Research Seminar at the University of Louisville Health Science Center. Louisville, Kentucky.
- 2005.06 *Understanding the role of Bcl-2 in tumor angiogenesis*. Research Seminar at the National Institutes for Dental and Craniofacial Research (NIDCR/NIH). Washington, DC.
- 2005.07 *Keynote talk, ORCA: Molecular Biology and Tissue Engineering in Pulp Biology*. Meeting of the European Organization for Caries Research (ORCA) - Indianapolis, Indiana.

- 2005.09 *Regulation of Endothelial Cell Survival & Wound Healing*. Conference “Facing the future – challenges in oral biology”, organized by the European Research Group for Oral Biology (ERGOB) – Geneva, Switzerland.
- 2005.12 *Understanding the role of Bcl-2 in Tumor Angiogenesis*. Comprehensive Cancer Center (Experimental Therapeutics Program), University of Michigan, Ann Arbor, Michigan.
- 2006.02 *The anti-angiogenic function of small molecule inhibitors of Bcl-2*. Comprehensive Cancer Center (Developmental Therapeutics), University of Michigan, Ann Arbor, Michigan.
- 2006.02 *Keynote talk, Buonocore Memorial Lecture: Tooth Tissue Engineering and Molecular Biology in Restorative Dentistry*. Meeting of the Academy of Operative Dentistry – Chicago, Illinois.
- 2006.05 *Understanding the role of Bcl-2 in Tumor Angiogenesis*. Cancer Research Focus Group Seminar Series, University of Michigan School of Dentistry, Ann Arbor, Michigan.
- 2006.10 *Tooth Tissue Engineering and Molecular Biology in Restorative Dentistry*. Meeting of the Uruguayan Dental Association – Montevideo, Uruguay.
- 2007.02 *Angiogenesis in Cancer and in Tissue Engineering*. University of Birmingham – Birmingham, England.
- 2007.06 *Angiogenesis in Cancer and in Tissue Engineering*. New York University – New York, New York.
- 2007.07 *Bcl-2 mediated signaling pathways in head and neck tumor angiogenesis*. University of Wisconsin – Madison, Wisconsin.
- 2007.08 *Keynote speaker: Tooth Tissue Engineering and Molecular Biology in Pediatric Dentistry*. Meeting of the Brazilian Academy of Pediatric Dentistry – Fortaleza, Brazil.
- 2007.08 *Bcl-2 mediated signaling pathways in head and neck tumor angiogenesis*. University of Maryland – Baltimore, Maryland.
- 2007.09 *Bcl-2 mediated signaling pathways in head and neck tumor angiogenesis*. University of Florida – Gainesville, Florida.
- 2007.09 *Adhesive Dentistry Today. Tomorrow, Tooth Regeneration?* Kenneth Easlick Alumni Meeting, University of Michigan School of Dentistry, Ann Arbor, Michigan.
- 2007.11 *Bcl-2-Mediated Signaling Pathways in Head & Neck Tumor Angiogenesis*. Cancer Research Focus Group Seminar Series, University of Michigan School of Dentistry, Ann Arbor, Michigan.
- 2008.02 *Dental Tissue Engineering*. Universidad Peruana de Ciencias (UPC) [Peruvian University of Sciences] – Lima, Peru.
- 2008.02 *Bcl-2 as an anti-angiogenic target*. 10<sup>th</sup> International Symposium on Anti-angiogenic Agents. San Diego, California.
- 2008.03 *Dental Tissue Engineering*. Universidade Luterana do Brasil (ULBRA) [Lutheran University of Brazil] – Porto Alegre, Brazil.
- 2008.04 *Stem Cells in Dental Pulp Tissue Engineering*. Meeting of the American Association for Dental Research (AADR) – Dallas, Texas.
- 2008.05 *Stem Cells in Dental Pulp Tissue Engineering*. Meeting of the American Academy of Pediatric Dentistry (AAPD) – Washington, DC.
- 2008.07 *Bcl-2 as an anti-angiogenic target for head and neck cancer*. 17<sup>th</sup> Dentistry Meeting of Rio Grande do Sul (CORIG) – Porto Alegre, Brazil.

- 2008.09 *Keynote speaker: Dental Tissue Engineering.* 10<sup>th</sup> International Meeting of the Universidad Autonoma de Tlaxcala – Tlaxcala, Mexico.
- 2008.10 *Dental Pulp Tissue Engineering.* 2<sup>nd</sup> Leeds – Michigan Tissue Engineering Symposium – Leeds, UK.
- 2008.10 *Dental Tissue Engineering.* University of Michigan School of Dentistry, Ann Arbor, Michigan.
- 2008.11 *Anti-angiogenic Therapies for Head and Neck Cancer.* 1<sup>st</sup> UFRGS-USP-UMICH Symposium – Porto Alegre, Brazil.
- 2008.11 *Dental Pulp Tissue Engineering.* 1<sup>st</sup> UFRGS-USP-UMICH Symposium – Porto Alegre, Brazil.
- 2008.12 *Bcl-2 signaling in tumor angiogenesis.* Dept. of Cancer Biology, MD Anderson Cancer Center – Houston, Texas.
- 2008.12 *Bcl-2 signaling in head & neck tumor angiogenesis.* Dept. of Head & Neck Surgery, MD Anderson Cancer Center – Houston, Texas.
- 2009.01 *Bcl-2 signaling in head & neck tumor angiogenesis.* Lilly Pharmaceuticals – Indianapolis, Indiana.
- 2009.02 *Dental pulp tissue engineering.* Nova Southeastern University – Fort Lauderdale, Florida.
- 2009.11 *Engineering human functional blood vessels in mice as a tool for cancer research.* University of Michigan College of Engineering, Ann Arbor, Michigan.
- 2010.01 *Bcl-2 in tumor angiogenesis: The road from an unexpected observation to a clinical trial.* University of Michigan School of Dentistry, Ann Arbor, Michigan.
- 2010.02 *Dental pulp stem cell fate: Making dentin or blood vessels?* Nova Southeastern University – Fort Lauderdale, Florida.
- 2010.03 *Dental pulp stem cell fate: Making dentin or blood vessels?* Federal University of Pelotas – Pelotas, Brazil.
- 2010.03 *Bcl-2 signaling in head & neck tumor angiogenesis.* Federal University of Pelotas – Pelotas, Brazil.
- 2010.04 *Engineering of functional human dental pulps.* American Association of Endodontics (AAE) Annual Session – San Diego, California.
- 2010.04 *Crosstalk between endothelium and tumor cells in head and neck cancer.* 101<sup>st</sup> American Association of Cancer Research (AACR) Annual Meeting – Washington DC.
- 2010.05 *Dental pulp stem cell fate: Making dentin or blood vessels?* 38<sup>th</sup> Annual Midwest Connective Tissue Workshop – Rush University, Chicago, Illinois.
- 2010.07 *Thoughts on strategies for material modifications to tailor biological response – molecular versus cellular approaches.* Symposium, IADR Annual Meeting – Barcelona, Spain.
- 2010.07 *Angiogenesis in pulp regeneration.* In the “Tissue injury and pulp regeneration” symposium of the Pulp Biology and Regeneration Group (IADR) – Geneva, Switzerland.
- 2010.09 *Management of dental pulp lesions: How will dentists manage pulp lesions in light of the stem cell’s new paradigms?* Meeting of the World Dental Federation (FDI) – Salvador, Brazil.
- 2010.10 *Crosstalk between endothelial cells and head and neck cancer stem cells.* Head and neck research workshop – American Head Neck Society (AHNS) – Crystal City, Virginia.
- 2010.12 *Dental pulp tissue engineering.* School of Dentistry, University of Pittsburgh – Pittsburgh, Pennsylvania.
- 2010.12 *Head and neck cancer stem cells.* School of Medicine, University of Pittsburgh – Pittsburgh, Pennsylvania.

- 2011.01 *Perivascular stem cell niche in head neck cancer.* School of Dentistry, University of Pennsylvania – Philadelphia, Pennsylvania.
- 2011.03 *Directing the Differentiation of Dental Pulp Stem Cells to Optimize Tissue Regeneration.* Symposium, IADR Annual Meeting, San Diego, California.
- 2011.03 Small molecule inhibitors of Bcl-2: From bench to bedside. Symposium, IADR Annual Meeting, San Diego, California.
- 2011.04 *Crosstalk between endothelial cells and cancer stem cells: Therapeutic target for head neck cancer?* School of Medicine, University of Chicago – Chicago, Illinois.
- 2011.04 *Stem cells in Dentistry.* Brazilian Meeting of Pediatric Dentistry. Goiania, Brazil.
- 2011.04 *How to publish in the Journal of Dental Research.* Brazilian Meeting of Pediatric Dentistry. Goiania, Brazil.
- 2011.05 *Stem cells in Dentistry.* CEEO Dental. Igrejinha, Brazil.
- 2011.06 *Stem cells in dental pulp tissue engineering.* School of Dentistry, University of West Virginia – Morgantown, West Virginia.
- 2011.06 *Head and neck cancer stem cells.* School of Medicine, University of West Virginia – Morgantown, West Virginia.
- 2011.07 *Stem cells in dental pulp tissue regeneration and in head and neck cancer.* National Institutes of Dental and Craniofacial Research (NIH/NIDCR) – Bethesda, Washington DC.
- 2011.07 *Endothelial cell-initiated signaling events: Targets for therapy and potential biomarkers in head and neck cancer.* NCI Translational Science Meeting 2011 – Washington DC.
- 2011.10 *How to publish in high impact journals.* Federal University of Paraná (UFPR). Curitiba, Brazil.
- 2012.02 *Stem cells in Dentistry.* Annual Meeting of the University of Costa Rica – San Jose, Costa Rica.
- 2012.02 *Dental Tissue Engineering.* Annual Meeting of the University of Costa Rica – San Jose, Costa Rica.
- 2012.02 *Salivary Gland Cancer Stem Cells.* Workshop on Salivary Gland Tumor Research. National Institutes of Dental and Craniofacial Research (NIH/NIDCR) – Bethesda, Washington DC.
- 2012.03 *Injectable scaffolds for dental pulp tissue engineering.* Symposium, AADR Annual Meeting, Tampa, Florida.
- 2012.03 *Tooth/slice scaffold model for dental pulp tissue engineering.* AADR Annual Meeting, Tampa, Florida.
- 2012.05 *Angiogenic differentiation of dental pulp stem cells.* Conference “Mesenchymal Stem Cells”, organized by the European Research Group for Oral Biology (ERGOB) – Geneva, Switzerland.
- 2012.05 *Head and neck cancer stem cells.* 1<sup>st</sup> Symposium on Head and Neck Cancer Stem Cells – Ann Arbor, Michigan.
- 2012.05 *Caries Prevention in Pediatric Dentistry (1 hour).* Meeting of the Latin American Association of Pediatric Dentistry (ALOP) – Viña del Mar, Chile.
- 2012.06 *Creating a conducive environment for dental pulp regeneration.* Symposium, IADR Annual Meeting, Foz do Iguacu, Brazil.
- 2012.07 *BH3-mimetics in head and neck cancer.* 8<sup>th</sup> International Conference on Head and neck Cancer – American Head Neck Society (AHNS) – Toronto, Canada.

- 2012.07 *Head and neck cancer stem cells*. 8<sup>th</sup> International Conference on Head and neck Cancer – American Head Neck Society (AHNS) – Toronto, Canada.
- 2012.09 *Vision for the future of dental tissue engineering*. 2012 Academy of Dental Materials Meeting – Academy of Dental Materials (ADM) – Orlando, Florida.
- 2012.10 *Therapeutic targeting of the perivascular stem cell niche in head and neck cancer*. University of Michigan School of Dentistry, Ann Arbor, Michigan.
- 2013.01 *Head and neck cancer stem cells*. Mini-symposium: MedImmune – Washington DC.
- 2013.01 *Therapeutic targeting of the perivascular stem cell niche*. University of Michigan Medical School, Ann Arbor, Michigan.
- 2013.02 *Salivary gland cancer stem cells*. Gordon Conference in Salivary Gland Biology – Galveston, Texas.
- 2013.02 *Keynote talk, Research Day: Dental Pulp Tissue Engineering*. University of Colorado School of Dentistry – Denver, Colorado.
- 2013.03 *Keynote talk, PBRG, IADR: Stem Cell Differentiation in Dental Pulp Tissue Engineering*. IADR Annual Meeting, Seattle, Washington.
- 2013.03 *Regulation of Dental Pulp Stem Cell Fate: Endothelial Differentiation*. Pulp Biology and Regeneration Group (IADR) Symposium, San Francisco, California.
- 2013.05 *Stem cells in health and disease*. University of Health Sciences – Medellin, Colombia.
- 2013.05 *Head and neck cancer stem cells*. MedImmune – Washington, DC.
- 2013.06 *BH3-mimetics in head and neck cancer*. University of Michigan Medical School, Ann Arbor, Michigan.
- 2013.09 *Head and neck cancer stem cells*. University of Michigan Medical School, Ann Arbor, Michigan.
- 2013.09 *Perivascular stem cell niche in head and neck cancer*. VI Cell Biology Symposium. Federal University of Minas Gerais – Belo Horizonte, Brazil.
- 2013.09 *Dental pulp tissue engineering*. School of Dentistry, Indiana University– Indianapolis, Indiana.
- 2013.11 *Perivascular stem cell niche in head and neck cancer*. Radboud University Nijmegen Medical Centre – Nijmegen, Netherlands.
- 2014.01 *Dental pulp tissue engineering*. School of Dentistry, Oregon Health & Science University – Portland, Oregon.
- 2014.02 *How to publish in high impact journals*. University of São Paulo (USP) – São Paulo, Brazil.
- 2014.02 *Perivascular stem cell niche in head and neck cancer*. University of São Paulo (USP) – São Paulo, Brazil.
- 2014.04 *Vasculogenic differentiation of dental pulp stem cells*. 2<sup>nd</sup> International Conference on Dental and Craniofacial Stem Cells. University of West China – Chengdu, China.
- 2014.05 *Therapeutic targeting of head and neck cancer stem cells*. MedImmune – Washington, DC.
- 2014.06 *Bioactive injectable scaffolds for transplantation of dental pulp stem cells*. Symposium, IADR Annual Meeting, Cape Town, South Africa.
- 2014.09 *Head and neck cancer stem cells*. University of California at San Francisco (UCSF) School of Dentistry – San Francisco, California.
- 2014.10 *How to publish in high impact journals (1 hour)*. Argentinian Association of Pediatric Dentistry – Buenos Aires, Argentina.



- 2014.10 *Head and neck cancer stem cells*. Oklahoma University Research Foundation – Oklahoma City, Oklahoma.
- 2014.10 *Dental pulp tissue engineering*. Oklahoma University School of Dentistry – Oklahoma City, Oklahoma.
- 2014.11 *Therapeutic targeting of head and neck cancer stem cells*. University of Michigan Medical School, Ann Arbor, Michigan.
- 2015.04 *Head and neck cancer stem cells*. University of Pittsburgh Medical School – Pittsburgh, Pennsylvania.
- 2015.04 *Cancer stem cells in head and neck malignancies*. Baylor College of Dentistry – Dallas, Texas.
- 2015.04 *Targeting apoptosis in adenoid cystic carcinomas*. Annual meeting of the American Head and Neck Society (AHNS) – Boston, Massachusetts.
- 2015.05 *Therapeutic targeting of head and neck cancer stem cells*. 3<sup>rd</sup> International Research Meeting of the University of Costa Rica – San Jose, Costa Rica.
- 2015.05 *Stem cells in Dentistry*. 3<sup>rd</sup> International Research Meeting of the University of Costa Rica – San Jose, Costa Rica.
- 2015.06 *Stem cells in dental pulp regeneration*. University of the Pacific School of Dentistry – San Francisco, California.
- 2015.07 *Stem cells in dental tissue engineering*. Annual Meeting of the International Association of Pediatric Dentistry (IAPD) – Glasgow, Scotland.
- 2015.09 *Therapeutic targeting of head and neck cancer stem cells*. MedImmune/AstraZeneca – Gaithersburg, Maryland.
- 2015.10 *Head and neck cancer stem cells*. University of Southern California (USC), Los Angeles, California.
- 2016.03 *Salivary gland cancer stem cells*. Symposium, AADR Annual Meeting, Los Angeles, California.
- 2016.04 *Head and neck cancer stem cells*. University of Wisconsin Medical School, Madison, Wisconsin.
- 2016.05 *Salivary gland cancer stem cells*. Grand Rounds – Department of Surgery - University of Michigan Medical School, Ann Arbor, Michigan.
- 2016.05 *Therapeutic targeting of salivary gland cancer stem cells*. Retreat – Head Neck Oncology program - University of Michigan Medical School, Ann Arbor, Michigan.
- 2016.05 *WNT Signaling and Dental Pulp Tissue Regeneration*. P30 Spring Meeting - Kresge Hearing Research Institute, University of Michigan Medical School, Ann Arbor, Michigan.
- 2016.09 *Stem cells in dental tissue engineering*. Annual Meeting of the British Society of Pediatric Dentistry (BSPD) – Leeds, England.
- 2016.10 *Vasculogenic differentiation of dental pulp stem cells*. 3<sup>rd</sup> International Conference on Dental and Craniofacial Stem Cells – Paris, France.
- 2016.11 *Dental pulp stem cells in Pediatric Dentistry*. 47<sup>th</sup> Annual Meeting of the Brazilian Group of Professors of Pediatric Dentistry and Orthodontics – Bauru, São Paulo, Brazil.
- 2016.12 *Therapeutic targeting of head and neck cancer stem cells*. University of South Carolina School of Dentistry – Charleston, South Carolina.
- 2017.02 *Keynote Speaker, Research Day: Therapeutic targeting of head and neck cancer stem cells*. University of Mississippi School of Dentistry – Jackson, Mississippi.

- 2017.03 *Therapeutic targeting of head and neck cancer stem cells*. Karmanos Cancer Institute, Wayne State University – Detroit, Michigan.
- 2017.05 *Dental pulp tissue engineering in 2017*. 5<sup>th</sup> International Research Meeting of the University of Costa Rica – San Jose, Costa Rica.
- 2017.06 *Therapeutic targeting of head and neck cancer stem cells*. Forsyth Institute, Harvard University – Boston, Massachusetts.
- 2017.07 *IL-6 in the pathobiology of head and neck cancer stem cells*. University of Michigan Comprehensive Cancer Center, Ann Arbor, Michigan.
- 2017.10 *Stem cells in Pediatric Endodontics*. Annual Meeting of the International Association of Pediatric Dentistry (IAPD) – Santiago, Chile.
- 2017.10 *Vasculogenic differentiation of dental pulp stem cells*. Penn Stem Cell and Regenerative Dentistry Conference – University of Pennsylvania – Philadelphia, Pennsylvania.
- 2017.10 *Tumor cell lines and preclinical studies in salivary gland tumors*. 4<sup>th</sup> International Conference on Malignant Salivary Gland Tumors – University of Florida, Gainesville, Florida.
- 2017.12 *Therapeutic targeting of head and neck cancer stem cells*. University of Texas School of Dentistry – Houston, Texas.
- 2018.01 *Therapeutic targeting of head and neck cancer stem cells*. University of Western Ontario – London, Canada.
- 2018.02 *Therapeutic targeting of head and neck cancer stem cells*. University of California San Francisco (UCSF) – San Francisco, California.
- 2018.03 *Therapeutic targeting of head and neck cancer stem cells*. Nova University – Fort Lauderdale, Florida.
- 2018.03 *Keynote Speaker, Research Day: Therapeutic targeting of head and neck cancer stem cells*. University of Illinois School of Dentistry, Chicago, Illinois.
- 2018.05 *Keynote Speaker, Research Day: Stem cells in health and disease*. UNICAMP, Piracicaba, Brazil.
- 2018.08 *Therapeutic targeting of head and neck cancer stem cells*. Head Neck & Thyroid SPORE Workshop. National Cancer Institute (NCI), Rockville, Maryland.
- 2018.09 *Stem cells in dental pulp tissue engineering*. Osaka University – Osaka, Japan.
- 2018.09 *Vasculogenic differentiation of dental pulp stem cells*. Annual meeting of the Tissue Engineering and Regenerative Medicine International Society (TERMIS) – Kyoto, Japan.
- 2018.12 *Therapeutic targeting of head and neck cancer stem cells*. University of North Carolina School of Dentistry, Chapel Hill, North Carolina.
- 2018.12 *Stem cells in dental pulp tissue engineering*. Rutgers University School of Dentistry, Newark, New Jersey.
- 2019.02 *Therapeutic targeting of salivary gland cancer stem cells*. Gordon Conference in Salivary Gland and Exocrine Biology – Galveston, Texas.
- 2019.03 *New experimental models and the development of a mechanism-based therapy for adenoid cystic carcinoma*. Advances in ACC translational research (ACCRF, MGH) – Boston, Massachusetts.
- 2019.04 *Therapeutic targeting of salivary gland cancer stem cells*. Karmanos Cancer Institute, Wayne State University – Detroit, Michigan.
- 2019.04 *Therapeutic targeting of head and neck cancer stem cells*. University of Pennsylvania School of Dentistry - Philadelphia, Pennsylvania.

- 2019.06 *Experimental models for salivary gland cancer research.* Annual Meeting of the International Association for Dental Research (IADR) – Vancouver, Canada.
- 2019.06 *Mechanisms underpinning decisions of dental pulp stem cell fate.* Pulp Biology and Regeneration Group (PBRG, IADR) Symposium - Portland, Oregon.
- 2019.07 *"State of the art in tissue replacement, repair and regeneration"* Annual Meeting of the International Academy of Pediatric Dentistry (IAPD) – Cancun, Mexico.
- 2019.07 *"Dental Tissue Engineering".* Annual Meeting of the Brazilian Association of Dental Materials – Passo Fundo, Brazil.
- 2019.11 *Therapeutic targeting of head and neck cancer stem cells.* Wuhan University School of Dentistry – Wuhan, China.
- 2019.11 *Stem cells in dental pulp tissue engineering.* Wuhan University School of Dentistry – Wuhan, China.
- 2020.06 *Stem cells in dental pulp tissue engineering.* University of Costa Rica School of Dentistry – San Jose, Costa Rica (Online-Zoom).
- 2020.08 *Stem cells in dental pulp tissue engineering.* Meeting of the Latin American Association of Pediatric Dentistry (ALOP) (Online-Zoom).
- 2020.08 *Stem cells in tooth tissue engineering.* Cayetano Heredia University – Lima, Peru (Online-Zoom).
- 2020.09 *Publishing in high impact journals.* Meeting of the Latin American Association of Pediatric Dentistry (ALOP) (Online-Zoom).
- 2020.10 *Mechanisms underpinning decisions of dental pulp stem cell fate.* Wuhan University School of Dentistry – Wuhan, China. (Online-Zoom).
- 2020.11 *Therapeutic targeting of salivary gland cancer stem cells.* ULAM Fall Seminar Series, University of Michigan. (Online-Zoom).
- 2020.12 *Stem cells in Pediatric Dentistry.* Meeting of the Chilean Association of Pediatric Dentistry (Online-Zoom).
- 2021.01 *Rigor and reproducibility in research.* MIND-the-Future program, American Association for Dental Research (AADR) (Online-Zoom)
- 2021.03 *Stem cells in clinical Dentistry.* Brazilian Federal University (UFRGS) - Porto Alegre, Brazil (Online-Zoom)
- 2021.04 *Stem cells in clinical Dentistry.* Meeting of the Brazilian Association for Cell and Gene Therapy (Associação Brasileira de Terapia Celular e Gênica) - Curitiba, Brazil (Online-Zoom).
- 2021.04 *Cancer stem cells in the pathobiology of HNSCC.* Karmanos Cancer Institute, Wayne State University – Detroit, Michigan (Online-Zoom)
- 2021.05 *Stem cells in Pediatric Dentistry.* Meeting of the Argentinian Association of Dentistry for Children – Buenos Aires, Argentina (Online-Zoom)
- 2021.07 *Navigating and negotiating your future career.* Annual Meeting of the International Association for Dental Research (IADR) – Boston, Massachusetts (Online-Zoom)
- 2021.10 *Keynote talk, Research Day: Therapeutic Targeting of Head and Neck Cancer Stem Cells.* AADOCR Kentucky Fall Symposium – Lexington, Kentucky.
- 2021.11 *Keynote talk: Therapeutic Targeting of Head and Neck Cancer Stem Cells.* VIII Meeting of the Latin-American section of the IADR – Buenos Aires, Argentina (Online-Zoom)

- 2021.11 *Keynote talk: Head and Neck Cancer Stem Cells.* I Research Meeting of the Costa Rican section of the IADR – San Jose, Costa Rica (Online-Zoom)
- 2021.11 *Publishing in impactful journals.* Meeting of the Mexican IADR Section – Mexico City, Mexico (Online-Zoom)
- 2022.01 *Head and neck cancer think tank.* National Institutes of Dental and Craniofacial Research (NIDCR), Bethesda, Washington (Online-Zoom)
- 2022.02 *Grand Rounds: Therapeutic Targeting of Head and Neck Cancer Stem Cells.* University of Michigan Rogel Cancer Center – Ann Arbor, Michigan (Online-Zoom)
- 2022.03 *Symposium on Diversity and Inclusion: The Road to Hana.* Annual Meeting of the American Association for Dental, Oral, and Craniofacial Research (AADOCR) – Atlanta, Georgia
- 2022.05 *Therapeutic Targeting of Head and Neck Cancer Stem Cells.* University of Coimbra – Coimbra, Portugal (Online-Zoom)
- 2022.05 *Therapeutic Targeting of Oral Cancer Stem Cells.* Mexican Division of the IADR & Universidad Nacional Autonoma de Mexico – Mexico City, Mexico (Online-Zoom)
- 2022.05 *Stem cells in dental pulp tissue regeneration.* 3<sup>rd</sup> International Meeting of Endodontics; Grupo Professores de Endodontia do Rio Grande do Sul (GPERGS) - Porto Alegre, Brazil
- 2022.11 *Therapeutic Targeting of Oral and Salivary Cancer Stem Cells.* National Society of Dental Research – Mexico City, Mexico
- 2022.11 *Roadmap to publishing in high impact journals.* National Society of Dental Research – Mexico City, Mexico
- 2022.12 *Stem cells in dental pulp tissue regeneration.* University of Texas at San Antonio – San Antonio, Texas
- 2023.01 *Publishing in high impact journals: An Associate Editor's perspective.* Mexican Section of the IADR – Leon, Mexico
- 2023.04 *Stem cells in the pathobiology of salivary gland cancer.* Karmanos Cancer Institute, Wayne State University – Detroit, Michigan (Online-Zoom)
- 2023.05 *Stem cells in dental pulp tissue regeneration.* Mexican Section of the IADR – Cancun, Mexico

### **Invited Continuing Education Course Presentations**

- 1990.03 *Update in Pediatric Dentistry.* (12 hours). School of Dentistry, Brazilian Federal University, Porto Alegre, Brazil.
- 1990.05 *Pediatric Dentistry: A Preventive Philosophy for the Dental Practice.* (8 hours). Dental Association of Paraná, Londrina, Brazil.
- 1990.08 *Pediatric Dentistry.* (12 hours). School of Dentistry, Brazilian Federal University, Porto Alegre, Brazil.
- 1991.08 *Pain in Pediatric Dentistry.* (3 hours). Brazilian Dental Association, Porto Alegre, Brazil.
- 1992.03 *Temporomandibular Disorders in Children.* (8 hours). Bahia Dental Association, Salvador, Brazil.
- 1992.07 *Deminerlization and Remineralization in Primary Teeth.* (4 hours). IX Rio Grande do Sul Meeting of Dentistry, Porto Alegre, Brazil.
- 1995.07 *Adhesive Dentistry: Mechanisms, Materials, and Clinical Application in Pediatric Dentistry.* (2 hours). XII International Meeting of Dentistry, Rio de Janeiro, Brazil.

- 1995.07 *Preventive and Conservative Dentistry in Pediatric Dentistry.* (8 hours). V Rio Grande do Sul Meeting of Dentistry, Porto Alegre, Brazil.
- 1995.09 *Operative Dentistry: Biocompatibility, Physical Properties, and Clinical Application of Adhesive Materials.* (8 hours). I International Meeting of Dentistry, Montes Claros, Brazil.
- 1996.07 *Contemporary Pediatric Dentistry: Prevention, Biological Aspects of Dental Materials, and Esthetics.* (8 hours). VIII Latin American Meeting of Pediatric Dentistry, Lima, Peru.
- 1996.07 *Contemporary Pediatric Dentistry: Prevention, Biological Aspects of Dental Materials, and Esthetics.* (8 hours). VIII Bahia Meeting of Pediatric Dentistry, Salvador, Brazil.
- 1996.07 *Preventive and Conservative Dentistry in Pediatric Dentistry.* (8 hours). "50th Jornada Internacional de Odontologia Prof. Renato de Toledo Leonardo", Araraquara, Brazil.
- 1996.10 *Preventive and Conservative Dentistry in Pediatric Dentistry.* (8 hours). XXIII Franciscano Meeting of Dentistry, São Paulo, Brazil.
- 1996.12 *Contemporary Dentistry: Application of Basic Research in the Clinical Practice.* (12 hours). "Instituto Odontologico Wladimir Pereira", Rio de Janeiro, Brazil.
- 1997.05 *Contemporary Pediatric Dentistry: Preventive Treatment, Biology of Dental Materials, and Esthetics.* (8 hours). XII Ceará Meeting of Dentistry, Fortaleza, Ceará, Brazil.
- 1997.08 *Contemporary Pediatric Dentistry: Preventive Treatment, Biology of Dental Materials, and Esthetics.* (12 hours). Brazilian Dental Association, Joinville, Santa Catarina, Brazil.
- 1997.10 *Contemporary Restorative Dentistry for Children.* (12 hours). University of Michigan School of Dentistry, Ann Arbor, MI.
- 1998.08 *Contemporary Pediatric Dentistry: Application of Basic Research to the Clinical Practice.* (8 hours). XII Rio Grande do Sul Meeting of Dentistry, Porto Alegre, Rio Grande do Sul, Brazil.
- 1998.09 *Advances in Biological and Materials Science.* (4 hours). "IX Latin American Meeting of Pediatric Dentistry", Caracas, Venezuela.
- 1998.10 *Dentin Bonding: Mechanisms, Biocompatibility, And Clinical Application.* (4 hours). "XVI Brazilian Meeting of Pediatric Dentistry", Porto Alegre, Rio Grande do Sul, Brazil.
- 1998.12 *Esthetics in Restorative Dentistry.* (16 hours). Universidade Federal do Mato Grosso, Cuiabá, Mato Grosso, Brazil.
- 1999.04 *Contemporary Pediatric Dentistry: The application of science in the clinic.* (8 hours). "I International Meeting of the Bolivian Society of Pediatric Dentistry", in La Paz, Bolivia.
- 1999.05 *Contemporary Pediatric Dentistry: The application of science in the clinic.* (8 hours). "VIII Meeting of the Colombian Society of Pediatric Dentistry", Medellin, Colombia.
- 1999.08 *Dentistry in the Third Millennium: Application of Research in the Clinical Practice.* (8 hours). Brazilian Federal University, Porto Alegre, Brazil.
- 1999.08 *Dentistry in the Third Millennium: Application of Research in the Clinical Practice.* (8 hours). Peruvian Society of Pediatric Dentistry, Lima, Peru.
- 1999.10 *Dentistry in the Third Millennium: Application of Research in the Clinical Practice.* (8 hours). XXV Dental Meeting of Santa Catarina, Joinville, Brazil.
- 1999.12 *Evidence-based Dentistry: From Prevention to Restoration.* (4 hours). XXX Meeting of the Argentinean Academy of Dentistry, in Buenos Aires, Argentina.
- 2000.03 *Update on Bonding Agents and Cements.* (4 hours). Presented with Dr. Joseph Dennison and Dr. Peter Yaman. University of Michigan School of Dentistry, Ann Arbor, Michigan.
- 2000.04 *Evidence-based Clinical Practice of Pediatric Dentistry.* (8 hours). XI Meeting of the Brazilian Dental Association, in Araxá, Brazil.

- 2000.05 *Evidence-based Clinical Practice of Pediatric Dentistry.* (8 hours). XIII International Meeting of the Bauru School of Dentistry, University of São Paulo, Brazil.
- 2000.05 *Evidence-based Clinical Practice of Pediatric Dentistry.* (8 hours). XIII Meeting of the PUC School of Dentistry, Porto Alegre, Brazil.
- 2000.06 *Evidence-based Clinical Practice of Pediatric Dentistry.* (8 hours). 41<sup>st</sup> International Dental Meeting, National University of Rosario, Rosario, Argentina.
- 2000.06 *The Impact of Molecular Biology in the Clinical Practice of Dentistry.* (2 hours). 41<sup>st</sup> International Dental Meeting, National University of Rosario, Rosario, Argentina.
- 2000.08 *Evidence-based Clinical Practice of Pediatric Dentistry.* (8 hours). X Latin American Meeting of Pediatric Dentistry, Santiago, Chile.
- 2000.09 *Evidence-based Clinical Practice of Pediatric Dentistry.* (8 hours). Center of Excellence in Pediatric Dentistry, University of Iowa, Des Moines, Iowa.
- 2001.03 *Update on Bonding Agents and Cements.* (4 hours). Presented with Dr. Joseph Dennison and Dr. Peter Yaman. University of Michigan School of Dentistry, Ann Arbor, Michigan.
- 2001.04 *The Impact of Molecular Biology in the Clinical Practice of Dentistry.* (2 hours). II Meeting of the Latin American Federation of Dentistry, Buenos Aires, Argentina.
- 2001.04 *Molecular Biology in Pediatric Dentistry.* (8 hours). II Meeting of the Latin American Federation of Dentistry, Buenos Aires, Argentina.
- 2001.08 *Evidence-based Clinical Practice of Pediatric Dentistry.* (8 hours). Meeting of the Brazilian Dental Association, Curitiba, Brazil.
- 2001.09 *Evidence-based Clinical Practice of Pediatric Dentistry.* (8 hours). Brazilian Meeting of Pediatric Dentistry, Salvador, Brazil.
- 2001.09 *Molecular Biology in Clinical Dentistry.* (8 hours). Meeting of the Brazilian Group of Professors and Graduate Students of Orthodontics and Pediatric Dentistry, Gramado, Brazil.
- 2001.11 *Evidence-based Clinical Practice of Pediatric Dentistry.* (8 hours). Meeting of the Chilean Society of Pediatric Dentistry, Santiago, Chile.
- 2002.03 *Update on Bonding Agents and Cements.* (8 hours). Presented with Dr. Joseph Dennison and Dr. Peter Yaman. University of Michigan School of Dentistry, Ann Arbor, Michigan.
- 2002.05 *Evidence-based Clinical Practice of Pediatric Dentistry.* (8 hours). Meeting of the Brazilian Dental Association – Pará Section, Belém, Brazil.
- 2002.07 *Molecular Biology in Clinical Dentistry.* (8 hours). 42<sup>nd</sup> International Dental Meeting, National University of Rosario, Argentina.
- 2002.07 *Molecular Biology in Cariology and Preventive Dentistry.* (4 hours). Meeting of the Brazilian Association of Preventive Dentistry (ABOPREV), Sao Paulo, Brazil.
- 2002.09 *Molecular Biology in Clinical Dentistry* (4 hours). Meeting of the Brazilian Dental Association – Goiás Section, Brazil.
- 2002.10 *Update on Bonding Agents and Cements.* (8 hours). Presented with Dr. Joseph Dennison and Dr. Peter Yaman. University of Michigan School of Dentistry, Ann Arbor, Michigan.
- 2002.10 *Molecular Biology in Clinical Dentistry* (4 hours) and *Evidence-based Clinical Practice of Dentistry.* (8 hours). Meeting of the Chilean Dental Association, Temuco, Chile.
- 2003.03 *Evidence-based Clinical Practice of Pediatric Dentistry.* (8 hours). Meeting of the Brazilian Dental Association – Brasilia Section, Brasilia, Brazil.
- 2003.07 *Molecular Biology and Tissue Engineering in Clinical Dentistry* (8 hours). Continuing education course at the University of São Paulo – Bauru, São Paulo, Brazil.

- 2003.08 *Evidence-based Clinical Practice of Pediatric Dentistry*. (8 hours). Meeting of the Institute of Health Sciences (CES) – Medellín, Colombia.
- 2003.08 *Molecular Biology and Tissue Engineering in Clinical Dentistry* (4 hours). Meeting of the Institute of Health Sciences (CES) – Medellín, Colombia.
- 2003.11 *Update on Bonding Agents and Cements*. (6 hours). University of Michigan School of Dentistry, Ann Arbor, Michigan.
- 2004.02 *Evidence-based Clinical Practice of Pediatric Dentistry*. (8 hours). Meeting of the Venezuelan College of Dentistry – Caracas, Venezuela.
- 2004.04 *Evidence-based Clinical Practice of Pediatric Dentistry*. (8 hours). Latin American Meeting of Pediatric Dentistry – Cochabamba, Bolivia.
- 2004.05 *Evidence-based Clinical Practice of Pediatric Dentistry*. (8 hours). Meeting of the Pediatric Dentistry and Orthodontics Association of Ceará – Fortaleza, CE, Brazil.
- 2004.08 *Molecular Biology and Tissue Engineering in Clinical Dentistry* (8 hours). Meeting of FOCAP, the Federation of Dentistry of Central America and Panama – San Jose, Costa Rica.
- 2004.09 *Molecular Biology in Clinical Dentistry*. (6 hours). University of Michigan School of Dentistry, Ann Arbor, Michigan.
- 2004.10 *Evidence-based Clinical Practice of Pediatric Dentistry*. (8 hours). Meeting of the North Paraná State University – Londrina, PR, Brazil.
- 2004.10 *Molecular Biology in Clinical Dentistry*. (3 hours). North Paraná State University – Londrina, PR, Brazil.
- 2004.10 *Evidence-based Clinical Practice of Pediatric Dentistry*. (8 hours). Mexican Dental Meeting – Guadalajara, Mexico.
- 2004.10 *Predictable Posterior Composite Restorations*. (6 hours). University of Michigan School of Dentistry, Ann Arbor, Michigan.
- 2004.11 *Molecular Biology in Clinical Dentistry*. (8 hours). AGOPED – Porto Alegre, RS, Brazil.
- 2005.04 *Molecular Biology in Preventive Dentistry*. (3 hours) Brazilian Association of Preventive Dentistry (ABOPREV), Sao Paulo, Brazil.
- 2005.05 *Evidence-based Clinical Practice of Pediatric Dentistry*. (8 hours). Continuing Education Course at the Uruguayan Academy of Pediatric Dentistry – Montevideo, Uruguay.
- 2005.05 *Molecular Biology in Clinical Pediatric Dentistry*. (8 hours). Continuing Education Course at the Meeting of the Argentine Academy of Dentistry – Buenos Aires, Argentina.
- 2005.08 *Molecular Biology in Clinical Pediatric Dentistry*. (8 hours). Continuing Education Course at the Cayetano Heredia Dental School – Lima, Peru.
- 2005.10 *Molecular Biology in Clinical Pediatric Dentistry*. (8 hours). Continuing Education Course at the Meeting of the Costa Rican College of Dentistry – San Jose, Costa Rica.
- 2005.11 *Molecular Biology in Clinical Pediatric Dentistry* (6 hours). Continuing Education Course at the Meeting of the Alumni Society of Pediatric Dentistry da Universidade Federal do Rio Grande do Sul – Canela, Brazil.
- 2006.05 *Evidence-based Clinical Practice of Pediatric Dentistry* (12 hours). Continuing Education Course at the Bolivian Society of Pediatric Dentistry – Santa Cruz de la Sierra, Bolivia.
- 2006.08. *Molecular Biology and Tissue Engineering in Dentistry* (12 hours). Continuing Education Course at CIEPAS – São Paulo, Brazil.

- 2006.10. *Molecular Biology in Clinical Pediatric Dentistry*. (8 hours). Continuing Education Course at the Meeting of the Uruguayan Dental Association – Montevideo, Uruguay.
- 2006.10 *Evidence-based Clinical Practice of Pediatric Dentistry* (8 hours). Continuing Education Course at the Meeting of the Mexican Dental Association – Queretaro, Mexico.
- 2007.03 *Molecular Biology and Tissue Engineering in Dentistry* (16 hours). Lecture at UNOPAR – Londrina, Brazil.
- 2007.05 *Molecular Biology and Tissue Engineering in Dentistry* (12 hours). Continuing Education Course at USC Study Group – Ixtapan de la Sal, Mexico.
- 2007.06 *Molecular Biology and Tissue Engineering in Dentistry* (6 hours). Continuing Education Course at South Brazilian Meeting of Pediatric Dentistry – Jaraguá do Sul, Brazil.
- 2007.08 *Evidence-based Clinical Practice of Pediatric Dentistry* (4 hours). Continuing Education Course at the Meeting of the Brazilian Academy of Pediatric Dentistry – Fortaleza, Brazil.
- 2007.08. *Molecular Biology and Tissue Engineering in Dentistry* (12 hours). Continuing Education Course at CIEPAS – São Paulo, Brazil.
- 2007.11 *Evidence-based Clinical Practice of Pediatric Dentistry* (12 hours). Continuing Education Course at the Mexican College of Dentistry for Children – Guadalajara, Mexico.
- 2007.11 *Tissue Engineering of a Dental Pulp* (3 hours). Continuing Education Course at the Michigan Association of Endodontists – Novi, Michigan.
- 2008.03 *Molecular Biology and Tissue Engineering in Dentistry* (6 hours). Continuing Education Course at Dental CEEO – Igrejinha, Brazil.
- 2008.07 *Evidence-based Clinical Practice of Pediatric Dentistry* (3 hours). 17<sup>th</sup> Dentistry Meeting of Rio Grande do Sul (CORIG) – Porto Alegre, Brazil.
- 2008.09 *Evidence-based Clinical Practice of Pediatric Dentistry* (6 hours). 10<sup>th</sup> International Meeting of the Universidad Autonoma de Tlaxcala – Tlaxcala, Mexico.
- 2009.06 *Evidence-based Clinical Practice of Dentistry Today and in the Future* (4 hours). 50<sup>th</sup> International Meeting of the Universidad Nacional de Rosario – Rosario, Argentina.
- 2009.10 *Molecular Biology and Tissue Engineering in Dentistry* (4 hours). International Congress of Dentistry – Florianópolis, Brazil.
- 2009.11 *Molecular Biology and Tissue Engineering in Dentistry* (6 hours). Mexican College of Dentistry for Children – Guadalajara, Mexico.
- 2010.09 *Evidence-based Clinical Practice of Pediatric Dentistry* (8 hours). Meeting of the Association of Pediatric Dentistry – Cosala, Mexico.
- 2010.11 *Pediatric Dentistry today and in 2015* (8 hours). Meeting of the Peruvian Academy of Dentistry – Lima, Peru.
- 2011.10 *Evidence-based Clinical Practice of Pediatric Dentistry* (6 hours). Meeting of the Brazilian Dental Association (CIOPAR) – Curitiba, Brazil.
- 2012.5 *Evidence-based Clinical Practice of Pediatric Dentistry* (4 hours). Meeting of the LatinAmerican Association of Pediatric Dentistry (ALOP) – Viña del Mar, Chile.
- 2012.7 *Evidence-based Clinical Practice of Pediatric Dentistry* (6 hours). Mexican College of Dentistry for Children – Guadalajara, Mexico.
- 2012.11 *Evidence-based Clinical Practice of Pediatric Dentistry* (3 hours). Portuguese Dental Association – Porto, Portugal.
- 2013.04 *Stem cells in health and disease* (6 hours). Federal University of La Plata – La Plata, Argentina.



- 2013.05 *Stem cells in health and disease* (3 hours). Brazilian Society of Periodontics – Gramado, Brazil.
- 2013.05 *Evidence-based Clinical Practice of Pediatric Dentistry* (3 hours). University of Health Sciences – Medellin, Colombia.
- 2013.10 *Evidence-based Clinical Practice of Pediatric Dentistry* (8 hours). Mexican Pediatric Dentistry Society – Leon, Mexico.
- 2014.10 *Stem cells in health and disease* (8 hours). Argentinian Association of Pediatric Dentistry – Buenos Aires, Argentina.
- 2014.11 *Stem cells in Dentistry* (1 hour). Washtenaw District Dental Society – Ann Arbor, Michigan.
- 2015.08 *Stem cells in health and disease* (12 hours). Uruguayan Pediatric Dentistry Society – Montevideo, Uruguay.
- 2016.06 *Stem cells in health and disease* (6 hours). Mexican College of Dentistry for Children – Guadalajara, Mexico.
- 2017.08 *Stem cells in the engineering of dental tissues* (6 hours). Universidad Autonoma de Yucatán – Mérida, Mexico.
- 2017.12 *How to publish in impactful journals* (6 hours). Universidad Autonoma de Yucatán – Mérida, Mexico.
- 2018.11 *Stem cells in health and disease* (6 hours). Universidad Nacional de Rosario – Rosario, Argentina.
- 2019.09 *Pulp therapy and Esthetics in Pediatric Dentistry* (8 hours). Mexican College of Dentistry for Children – Guadalajara, Mexico.
- 2021.10 *Stem cells in health and disease* (4 hours). Uruguayan Dental Association (AOU) – Montevideo, Uruguay.