

## Curriculum Vitae

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**Name:** Simon Wai Ming Young, DDS, MD, PhD

**Present Title:** Assistant Professor

**Address:** Department of Oral and Maxillofacial Surgery  
The University of Texas Health Science Center at  
Houston, School of Dentistry  
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Houston, Texas 77054  
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**Citizenship:** Canadian, w/ Permanent Residency status in the USA

**Undergraduate Education:**

09/96 – 06/99 University of Toronto, Toronto, Ontario, Canada  
(B.Sc. in Human Biology, 1999)

**Graduate Education:**

09/99 – 06/03 Faculty of Dentistry, University of Toronto, Toronto,  
Ontario, Canada  
(D.D.S., *Honors*, 2003)

08/03 – 05/08 Rice University, Department of Bioengineering,  
Houston, Texas, USA  
(Ph.D. in Bioengineering, 2008)

08/08 – 05/11 The University of Texas Medical School at Houston,  
Houston, Texas, USA  
(M.D., 2011)

**Postgraduate Training:**

07/03 – 06/13 The University of Texas Health Science Center at  
Houston, Houston, Texas, USA  
(Oral & Maxillofacial Surgery Residency, 2013)

07/13 – 07/15 Harvard University, School of Engineering and  
Applied Sciences, Cambridge, Massachusetts, USA  
(Postdoctoral Research Fellow in Immuno-  
Engineering)

**Academic & Administrative Appointments:**

- 08/17 – Present            Baylor College of Medicine, Houston, Texas, USA  
(Adjunct Member of the Dan L. Duncan Cancer  
Center – Cancer Cell and Gene Therapy Program)
- 11/16 – Present            Baylor College of Medicine, Houston, Texas, USA  
(Adjunct Assistant Professor in Otolaryngology –  
Head & Neck Surgery)
- 07/16 – Present            Rice University, Houston, Texas, USA  
(Adjunct Faculty in Bioengineering)
- 07/13 – Present            The University of Texas Health Science Center at  
Houston, Houston, Texas, USA  
(Assistant Professor in Oral & Maxillofacial Surgery)

**Hospital Appointments:**

- 09/15 – Present            Houston Methodist Hospital - Texas Medical Center
- 09/13 – Present            Ben Taub General Hospital – Harris Health System
- 09/13 – Present            Lyndon B. Johnson General Hospital –  
Harris Health System
- 09/13 – Present            Memorial Hermann Hospital - Texas Medical Center

**Licensure:**

- 09/13 – Present            Texas Medical Board
- 07/03 – Present            Royal College of Dental Surgeons of Ontario
- 07/03 – Present            Texas State Board of Dental Examiners

**Certification:**

- 11/16 – Present            Collaborative Institutional Training Initiative (CITI)  
Human Subjects Research Training
- 03/15 – Present            Diplomate of the American Board of Oral and  
Maxillofacial Surgery
- 06/13 – Present            Pediatric Advanced Life Support Provider

11/10 – 11/14	Advanced Trauma Life Support Provider
07/03 – Present	Advanced Cardiac Life Support Instructor
07/03 – Present	Basic Life Support Provider

**Professional Organizations / Committees of these Organizations:**

*International:*

2015 – Present	International Association for Dental Research / American Association for Dental Research
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*National:*

2015 – Present	American Academy of Craniomaxillofacial Surgeons
2015 – Present	American Association of Cancer Research
2010 – Present	Alpha Omega Alpha Medical Honor Society
2008 – Present	American Medical Association
2006 – Present	American Dental Education Association
2006 – Dec 2016	American Dental Association
2003 – Present	American Association of Oral and Maxillofacial Surgeons
2003 – Present	Omicron Kappa Upsilon Dental Honor Society
2003 – July 2015	Canadian Dental Association

*Regional/State:*

2013 – Present	Texas Society of Oral and Maxillofacial Surgeons
2011 – Dec 2016	Texas Dental Association
2003 – July 2015	Ontario Dental Association

*Local/Institutional:*

2013 – Present	Houston Society of Oral and Maxillofacial Surgeons
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2013 – Dec 2016                      Greater Houston Dental Society

**Honors and Awards:**

*National:*

2013                                      Pathway to Independence Award (K99/R00), National  
Institute of Dental and Craniofacial Research

2010                                      Alpha Omega Alpha National Medical Honor Society

2007                                      Research Summit Scholarship, The Oral and  
Maxillofacial Surgery Foundation

2007                                      Oral Abstract Scientific Presentation Award, 89<sup>th</sup>  
Annual Meeting of the American Association of Oral  
and Maxillofacial Surgeons

2004                                      Research Fellowship, The Oral and Maxillofacial  
Surgery Foundation

*Local/Institutional:*

2015                                      Rising STARS (Science and Technology Acquisition  
and Retention) Award, University of Texas System

2011                                      Hershel M. Rich Invention Award, Rice University

2003                                      Omicron Kappa Upsilon National Dental Honor  
Society

2003                                      The J.G. Bourassa Cup Proficiency Award, Faculty of  
Dentistry, University of Toronto

2003                                      The American Association of Oral and Maxillofacial  
Surgeons Dental Student/Implant Student Award,  
Faculty of Dentistry, University of Toronto

2002                                      The Dr. John A. Sherman Memorial Award, Faculty of  
Dentistry, University of Toronto

2002                                      The Ontario Dental Association Proficiency Award,  
Faculty of Dentistry, University of Toronto

2001                                      S.G. Bridgeman Prize, Faculty of Dentistry, University  
of Toronto

2001	The Wallace Seccombe Memorial Scholarship in Preventive Dentistry, Faculty of Dentistry, University of Toronto
2000	The Royal College of Dental Surgeons Scholarship in Basic Sciences, Faculty of Dentistry, University of Toronto
1999	Roche Diagnostics Award, Cellular Pathology Summer Student Program, University of Toronto
1999	Dean's List, Trinity College, University of Toronto
1999	Life Sciences Award, Department of Laboratory Medicine and Pathobiology, University of Toronto
1998	Trinity College Scholarship, Trinity College, University of Toronto
1998	Dean's List, Trinity College, University of Toronto
1997	Trinity College Scholarship, Trinity College, University of Toronto
1997	Dean's List, Trinity College, University of Toronto
1996	Trinity College Scholarship, Trinity College, University of Toronto

**Editorial Positions/Editorial Boards:**

2018	Co-editor of textbook entitled <i>Regenerative Strategies for Maxillary and Mandibular Reconstruction: A Practical Guide</i> , published by Springer International Publishing, <i>in press</i> .
2017 – Present	Manuscript Reviewer for <i>Oncotarget</i> (one article/year)
2017 – Present	Manuscript Reviewer for <i>Molecular Therapy</i> (one article/year)
2017 – Present	Manuscript Reviewer for <i>Advanced Healthcare Materials</i> (one article/year)
2016 – Present	Manuscript Reviewer for <i>Oral Oncology</i> (one article/year)

- 2016 – Present Manuscript Reviewer for *International Journal of Nanomedicine* (one article/year)
- 2016 – Present Manuscript Reviewer for *Journal of Oral Implantology* (one article/year)
- 2009 – Present Manuscript Reviewer for *The British Journal of Oral and Maxillofacial Surgery* (one article/year)
- 2005 – Present Manuscript Reviewer for *Tissue Engineering* (two articles/year)

**Service on International Grant Review Panels, Study Sections, Advisory Panels, and Committees:**

- 2017 – Present Conference Abstract Reviewer, Oral & Maxillofacial Surgery Scientific Group, International Association for Dental Research 2018 Meeting
- 2017 – Present Grant Application Reviewer, Medical Research Council, UK
- 2015 – Present Grant Reviewer, Cancer Research UK

**Service on National Grant Review Panels, Study Sections, Advisory Panels, and Committees:**

- 2017 – Present Conference Abstract Reviewer, Oral & Maxillofacial Surgery Scientific Group, American Association for Dental Research 2018 Meeting
- Feb 2016 Early Career ad hoc Reviewer, National Institutes of Health Oral, Dental, and Craniofacial Sciences Study Section

**Committees:**

**Service on Texas Medical Center Committees:**

Baylor College of Medicine, Department of Otolaryngology – Head & Neck Surgery Committees:

- 2016 – Present Resident Research Project Review Committee

**Service on The University of Texas Health Science Center at Houston, Graduate School of Biomedical Sciences and Medical School Committees:**

2017 – Present      Applicant interviewer for UTHealth Medical School /  
Graduate School of Biomedical Sciences MD/PhD program

**Service on The University of Texas Health Science Center at Houston,  
School of Dentistry Committees:**

The University of Texas Health Science Center at Houston, School of Dentistry  
Committees:

2017 – Present      Craniofacial Center Vision Committee

2017 – Present      Research Operations Sub-committee

2017 – Present      Clinical Research Sub-committee

2016                  Senior Faculty Search Committee, Department of Diagnostic  
and Biomedical Sciences

2016 – Present      Mentor in Student Academic Advisor Program

2015 – Present      Credentialing Committee

2015 – Present      Research Committee

The University of Texas Health Science Center at Houston, School of Dentistry,  
Department of Oral & Maxillofacial Surgery Committees:

2017 – Present      Non-categorical Intern Admissions Committee

2015 – Present      Resident Admissions Committee

2015 – Present      Graduate Education Committee

**Service on International Committees:**

July 2018            IADR Council Representative, Oral & Maxillofacial Surgery  
Group

2017 – Present      Chair, IADR/AADR Oral Surgery Scientific Group  
Symposium Organizing Committee

**Community Service:**

Sep 2017            UTHealth School of Dentistry Mobile Clinic for Hurricane  
Harvey Victims, 8 hours, (Faculty Volunteer)

- Sep 2005            The University of Texas at Houston Dental Branch Mobile Clinic for Hurricane Katrina Victims, 8 hours, (Resident Volunteer)
- Nov 2002            Winter Clinic, Academy of General Dentistry, (Volunteer)
- Feb 2002            International Dental Students Conference, (Volunteer)
- June 1998            Dental Clinic, Mount Sinai Hospital, Toronto, Canada, (Volunteer for 3 months)

**Sponsorship of Postdoctoral Fellows:**

- 2016 – 2018            Fellow: Stacey Piotrowski  
Title of project: *Development of a preclinical model of compromised maxillofacial wound healing*  
Year of completion: 2018

**Membership on Thesis and Supervisory Committees:**

The University of Texas Health Science Center at Houston, School of Dentistry, Department of Orthodontics:

- 2017 – Present            Graduate Student Thesis Advisory Committee  
Student: Marion McCarty  
Title of project: *The impact of print orientation and UV curing duration on the dimensional accuracy of 3D-printed clear orthodontic aligners*  
Degree sought: Master of Science in Dentistry (MSD)
- 2016 – 2018            Graduate Student Thesis Advisory Committee  
Student: Wyatt Loflin  
Title of project: *The effect of print layer thickness on the American Board of Orthodontics (ABO) Cast-Radiograph Evaluations (CRE) grading of 3D-printed models*  
Degree sought: Master of Science in Dentistry (MSD)  
Year of completion: 2018
- 2015 – 2017            Graduate Student Thesis Advisory Committee  
Student: Christian Favero  
Title of project: *A comparison of 3D-printed models using a desktop stereolithography printer to commercially fabricated 3D-printed models*  
Degree sought: Master of Science in Dentistry (MSD)  
Year of completion: 2017



Baylor College of Medicine, Department of Otolaryngology Head and Neck Surgery:

2016 – Present      Graduate Student Thesis Advisor  
Student: Jared Newton  
Title of project: *Combined immunomodulation and checkpoint inhibitors for HPV+ oropharyngeal cancer*  
Degree sought: Doctor of Philosophy (PhD)

**Student Advising:**

The University of Texas Health Science Center at Houston, School of Dentistry, Department of Oral & Maxillofacial Surgery:

2018 – Present      Faculty Mentor for Resident Research Project  
OMS resident: Victoria Manon, PGY1  
Title of project: *A multi-site, prospective study of the safety and effectiveness of immediate inferior alveolar nerve allograft reconstruction with ablation of the mandible for malignant pathology*

2018 – Present      Faculty Mentory for Resident Research Project  
OMS resident: Jack Hua, PGY4  
Title of project: *A multi-site, prospective study of the safety and efficacy of the PRV111 chemotherapy patch for subjects with oral squamous cell carcinoma*

2017 – Present      Faculty Mentor for Resident Research Project  
OMS resident: Steven Balandran, PGY2  
Title of project: *Evaluation of topical 5-fluorouracil as adjunct therapy for keratocystic odontogenic tumors*

2017 – Present      Faculty Mentor for Resident Research Project  
OMS resident: Andrew Bhagyam, PGY2  
Title of project: *Multidomain peptide hydrogels for peripheral nerve regeneration in the craniofacial complex*

2017 – Present      Faculty Mentor for Resident Research Project  
OMS resident: Huy Tran, PGY5  
Title of project: *Acquisition and Experimental Use of Salivary Gland Tissue for Tissue Engineering*

The University of Texas Health Science Center at Houston, School of Dentistry:

2017 – 2018      OMS Faculty Mentor in the ADEA Academic Dental Careers Fellowship Program  
Dental student: Victoria Manon, DS4  
Title of project: *Evaluation of the success rates of immediately placed implants: A 5 year retrospective pilot study at UTSD-Houston*

**Current Teaching responsibilities:**

The University of Texas Health Science Center at Houston, School of Dentistry:

*Didactic courses:*

2018 – Present      Course: DBPG 4003C (Thursday Clinico-Pathologic Conference)  
Role: Course lecturer to OMS residents

2016 – Present      Course: DBPG 4001C (Tuesday OMS Seminar)  
Role: Organizer of intern resident project presentation and evaluation sessions

2016 – Present      Course: DENS 2804 (Essentials of Medicine I)  
Role: Course lecturer to DS2 dental undergraduate students

2016                      Course: DBPG 4002A (Orthognathic Surgery Seminar)  
Role: Course lecturer to OMS residents

2015 – Present      Course: DBPG 1009 (Interdisciplinary Research Seminar I)  
Role: Course lecturer to orthodontic residents

2015 – Present      Course: DBPG 1011 (Interdisciplinary Research Seminar III)  
Role: Course lecturer to orthodontic residents

*Preclinical courses:*

2018 – Present      Course: DHBS 3209 (Emergencies in the Dental Office)  
Role: Course lecturer to DH2 dental hygiene students

2018 – Present      Course: DENS 4541 (Emergency Procedures II)  
Role: Course lecturer / hands-on instructor for DS4 dental undergraduate students

2017 – Present      Course: DENF 3541 (Emergencies in the Dental Office)  
Role: Course lecturer to DS3 dental undergraduate students

2015 – Present      Course: CLIN 3016 (Clinical Simulation I)  
Role: Course lecturer / group facilitator for DS3 dental undergraduate students

*Clinical courses:*

2015 – Present      Course: CLIN 3007 (Oral Surgery Clinic)  
Role: OMS faculty instructor for DS3 dental undergraduate students in LBJ Oral Surgery Clinic and Operating Room

2013 – Present      Course: unlisted  
Role: One-on-one training of OMS residents in the clinic setting, on hospital rounds, and in the operating room while performing cases at LBJ General Hospital, 1 day per week

2005 – Present      Course: Advanced Cardiac Life Support (ACLS)  
Role: Lecturer and hands-on instructor for course participants

The University of Texas Health Science Center at Houston, Graduate School of Biomedical Sciences:

*Didactic courses:*

2018 – Present      Course: GS21 1611 (Topics in Molecular Medicine)  
Role: Course lecturer to MD/PhD graduate students

**Past Teaching responsibilities:**

University of Toronto, Undergraduate Program:

2001 – 2002      Tutor, Saturday Program for Inner City High School Students

2001                Student Mentor, Summer Mentorship Program in the Health Sciences

Rice University:

2005 – 2006      Teaching Assistant, Physiology Laboratory (BIOE 320) and Biomaterials Engineering (BIOE 531)

2004 – 2008      Graduate Student Mentor, Dental Student Summer Research Program, The University of Texas Houston Health Science Center at Houston

2004 – 2005      Teaching Assistant, Systems Physiology (BIOE 322)

The University of Texas Health Science Center at Houston, School of Dentistry,  
Department of Oral & Maxillofacial Surgery:

- 2009 – 2011      Resident Instructor, History Taking and Physical Diagnosis  
Course for Predoctoral Dental Students
- 2003 – 2013      Formal Teaching of Resident Peers
- OMFS Department Clinical Pathological  
Conference – 2 presentations
  - OMFS Department Introduction to Medical  
Management of Patients – 1 presentation
  - OMFS Department Bi-Monthly Morbidity &  
Mortality Conference – 7 presentations
  - OMFS Department Case-Based Learning  
Conference – 2 presentations
  - Multi-disciplinary Facial Trauma Conference – 1  
presentation

**Clinical Service Responsibilities:**

- 2015 – Present      Staff surgeon in Department of Oral & Maxillofacial Surgery  
at Lyndon B. Johnson General Hospital, responsible for  
supervising patient care in the clinic, wards, and the  
operating room

**Current Grant Support:**

- 2018 – Present      **Privo Corporation, Clinical Trial Support, *Phase I/II*,  
Open-Label, Single-Arm Safety, Tolerability, Anti-Tumor  
Effects, Systemic Exposure, and Device Technical  
Effects of PRV111 (Cisplatin Transmucosal System) in  
Subjects with Oral Squamous Cell Carcinoma, PIs:**  
Simon Young and Vlad Sandulache, Inclusive years: 2018-  
2021, Role: co-PI, Funding amount: \$57,684 (\$44,372 direct  
costs + \$13,312 indirect costs).
- 2018 – Present      **Oral & Maxillofacial Surgery Foundation, Research  
Support grant, *Exploring Mechanisms to Improve  
STINGel Immunotherapy in Head and Neck Cancer*, PIs:**  
Simon Young and Jeffrey Hartgerink, Inclusive years: 2018-  
2019, Role: co-PI, Funding amount: \$37,500.

- 2017 – Present      **National Institute of Dental and Craniofacial Research, Grant # R01 DE21798, *Self-assembling Peptide Nanofiber Hydrogels for Nerve Regeneration***, PI: Jeffrey Hartgerink, Inclusive years: 2017-2022, Role: Co-Investigator, Funding amount: \$577,500 (\$375,000 direct costs + \$202,500 indirect costs)
- 2016 – Present      **National Institute of Dental and Craniofacial Research, Grant # R01 DE024747, *Tunable Nanolayer-Polymer Composite Patches for Cell-Free CMF Repair***, PI: Paula Hammond, Inclusive years: 2016-2021, Role: Co-Investigator, Funding amount: \$1,065,930 (\$693,739 direct costs + \$372,191 indirect costs).
- 2016 – Present      **Osteo Science Foundation, Peter Geistlich Research Award, *Development of a Compromised Maxillofacial Wound Healing Model for Bone Graft Evaluation***, PIs: Simon Young and F. Kurtis Kasper, Inclusive years: 2016-2018, Role: Co-PI, Funding amount: \$100,000 (\$90,000 direct costs + \$10,000 indirect costs).
- 2015 – Present      **University of Texas System, Rising STARs (Science and Technology Acquisition and Retention) Award, *The Use of Novel Implantable Cancer Vaccines for the Treatment of Oral Cancer***, PI: Simon Young, Inclusive years: 2015-2018, Role: PI, Funding amount: \$250,000.
- 2015 – Present      **National Institute of Dental and Craniofacial Research, Grant # R00 DE023577, *The Use of Novel Implantable Cancer Vaccines for the Treatment of Oral Cancer***, PI: Simon Young, Inclusive years: 2015-2018, Role: Primary Investigator, Funding amount: \$750,000 (\$345,000 direct costs + \$405,000 indirect costs)

**Completed Grant Support:**

- 2013 – 2015      **National Institute of Dental and Craniofacial Research, Grant # K99 DE023577, *The Use of Novel Implantable Cancer Vaccines for the Treatment of Oral Cancer***, PI: David Mooney, Inclusive years: 2013-2015, Role: Postdoctoral Research Fellow, Funding amount to Harvard University: \$213,794 (\$197,957 direct costs + \$15,837 indirect costs)

2004 **Oral & Maxillofacial Surgery Foundation, Research Fellowship, *Promotion of Alveolar Bone Healing with Biopolymers***, PI: Antonios Mikos, Inclusive years: 2004-2005, Role: research fellow, Funding amount to Rice University: \$40,000.

**Presentations:**

*International:*

Conference, symposia, or workshop organizer:

2018 *Evolving Trends in Head and Neck Cancer Immunotherapy*, International Association of Dental Research Annual Meeting, London, United Kingdom, 7/26/18  
Role: IADR Symposium Organizer

Invited presentations at other universities and at professional meetings, conferences, and workshops:

2016 *Novel Regenerative Medicine Strategies for Maxillofacial Reconstruction*, American Association of Blood Banks, AABB/TERMIS-Americas Joint Program: Regenerative Medicine Therapies for Wounded Soldiers, Orlando, FL, 10/24/16, 1 hour.

2016 *Applying Tissue Engineering Strategies to Cancer Immunotherapy*, Advances in Tissue Engineering 24<sup>th</sup> Annual Short Course, Rice University, Houston, TX, 8/11/2016, 1 hour.

2006 *Tissue Engineering in Oral and Maxillofacial Surgery*, Advances in Tissue Engineering 14<sup>th</sup> Annual Short Course, Rice University, Houston, TX, 8/19/2006, 1 hour.

Service as a panelist or discussant at professional meetings:

July 2018 *Oral & Maxillofacial Surgery / Cancer Research*, International Association of Dental Research Annual Meeting, London, United Kingdom, 7/26/18, 1.5 hours,  
Role: Oral Session Chair

*National:*

Conference, symposia, or workshop organizer:

2018                    *Immunotherapeutic Strategies Targeting Head and Neck Cancer*, American Association of Dental Research Annual Meeting, Ft. Lauderdale, USA, 3/22/18  
Role: AADR Symposium Organizer

Invited presentations at other universities and at professional meetings, conferences, and workshops:

2018                    *Biomaterials-based Cancer Vaccine Platforms*, Annual Meeting of the American Association of Dental Research, Ft. Lauderdale, FL, 3/22/18, 1 hour.

Service as a panelist or discussant at professional meetings:

Mar 2018              *Oral & Maxillofacial Surgery / Research Session 1*, American Association of Dental Research Annual Meeting, Ft. Lauderdale, USA, 3/24/18, 1.5 hours,  
Role: Oral Session Chair

*Regional/State:*

Invited presentations at other universities and at professional meetings, conferences, and workshops:

2018                    *Evolving Trends in Head and Neck Immunotherapy*, The 28<sup>th</sup> Annual Edward C. Hinds Symposium on Contemporary Oral and Maxillofacial Surgery, The Houston Society of Oral & Maxillofacial Surgery, Houston, TX, 04/28/15, 1 hour.

2015                    *The Role of Growth Factors in Bone Formation*, The 25<sup>th</sup> Annual Edward C. Hinds Symposium on Contemporary Oral and Maxillofacial Surgery, The Houston Society of Oral & Maxillofacial Surgery, Houston, TX, 04/24/15, 0.5 hour.

*Local/Institutional:*

Invited presentations at other universities and at professional meetings, conferences, and workshops:

2018                    *Biomaterials-Based Cancer Immunotherapy Platforms*, Otolaryngology Head & Neck Surgery Grand Rounds – Baylor College of Medicine, Houston, TX, 06/07/18, 1 hour.

- 2017 *Immunoengineering: Materials-Based Approaches for Enhancing Cancer Immunotherapy*, Oral & Maxillofacial Surgery Service Meeting - Houston Methodist Hospital, Houston, TX, 07/27/17, 30 minutes.
- 2016 *Immunoengineering: Materials-Based Approaches for Enhancing Cancer Immunotherapy*, Thoracic, Head and Neck Cancer Research Seminar – University of Texas MD Anderson Cancer Center, Houston, TX, 05/02/16, 1 hour.
- 2016 *Immunoengineering: Materials-Based Approaches for Enhancing Cancer Immunotherapy*, Department of Diagnostic & Biomedical Sciences Seminar Series – University of Texas Health Science Center School of Dentistry at Houston, Houston, TX, 02/22/16, 1 hour.
- 2015 *Immunoengineering: Materials-Based Approaches for Enhancing Cancer Immunotherapy*, Head & Neck Cancer Working Group Monthly Seminar, Baylor College of Medicine, Houston, TX, 09/09/15, 0.5 hour.
- 2014 *Applications of Controlled Release Systems in Oral & Maxillofacial Surgery: From Tissue Engineering to Immunotherapy*, Department of Oral & Maxillofacial Surgery – University of California San Francisco, San Francisco, CA, 10/20/14, 1 hour.
- 2014 *Applications of Controlled Release Systems in Oral & Maxillofacial Surgery: From Tissue Engineering to Immunotherapy*, Department of Otolaryngology – Baylor College of Medicine, Houston, TX, 10/13/14, 1 hour.
- 2014 *Applications of Controlled Release Systems in Oral & Maxillofacial Surgery: From Tissue Engineering to Immunotherapy*, Goldman School of Dental Medicine - Boston University, Boston, MA, 9/25/14, 1 hour.
- 2014 *Applications of Controlled Release Systems in Oral & Maxillofacial Surgery: From Tissue Engineering to Immunotherapy*, Rutgers School of Dental Medicine, Newark, NJ, 9/23/14, 1 hour.
- 2007 *Tissue Engineering in Oral and Maxillofacial Surgery*, Department of Diagnostic and Biomedical Sciences, University of Texas Dental Branch at Houston, Houston, TX, 11/15/07, 1 hour.



2007                      *Tissue Engineering in Oral and Maxillofacial Surgery: Trials and Tribulations*, Houston Society of Oral & Maxillofacial Surgeons, Houston, TX, 2/13/07, 1 hour.

**Publications:**

Abstracts (\* = Presenting author):

1. Ali N\*, **Young S**, Shum JW, Hanna IA, Wong ME, Melville JC: The Efficacy of Bioengineering (Stem Cells, Allogeneic bone, and rhBMP-2) for Reconstruction of Large Mandibular Continuity Defects: A Retrospective Study of 24 Patients over a 3-Year Period. *American Association of Oral & Maxillofacial Surgeons Annual Meeting*, Chicago, Illinois (October 8-13, 2018). *Accepted*.
2. **Young S\***, Dharmaraj N, Leach DG, Piotrowski S, Sikora AG, Hartgerink JD: Biomaterials-Based Cancer Immunotherapy in Preclinical Models of Treatment-Resistant Head and Neck Cancer. *American Association of Oral & Maxillofacial Surgeons Annual Meeting*, Chicago, Illinois (October 8-13, 2018). *Accepted*.
3. Kasper FK\*, Piotrowski SL, Dharmaraj N, Clark A, Tailor R, Bankson J, Hill LR, Lai SY, **Young S**: Development of a Compromised Maxillofacial Wound Healing Model for Bone Tissue Engineering. *TERMIS World Congress*, Kyoto, Japan (September 4-7, 2018). *Accepted*.
4. Melville JC\*, Tran H, Carrier MS, **Young S**, Shum JW, Hanna I, Wong ME: Efficacy of Stem-Cell Biotechnology for Reconstruction of Large Mandibular Continuity Defects. *International Association of Dental Research Annual Meeting*, London, United Kingdom (July 25-28, 2018). *Accepted*.
5. Menegotto K\*, Hanna IA, Shum JW, **Young S**, Wong ME, and Melville JC: The Efficacy of Stem Cell Biotechnology for Reconstruction of Mandibular Continuity Defects: A Retrospective Study of 24 Patients Over a 3-year Period, *Combined Annual Meeting of the Southwest Society of Oral & Maxillofacial Surgeons and Texas Society of Oral & Maxillofacial Surgeons*, Carmel, California (April 20, 2018).
6. Couey M\*, Dharmaraj N, Piotrowski SL, Golfman LS, Koshy ST, Li WA, Mooney DJ, Sikora AG, **Young S**: Robust Anti-Tumor Immunity Induced by Ectopic Expression of Viral Antigen is Transient and Limited by Immune Escape. *UTHealth House Staff Research Day*, Houston, Texas (April 9, 2018).
7. Dharmaraj, N\*, Leach DG, Piotrowski SL, Sikora AG, Hartgerink JD, **Young S**: STINGel Immunotherapy in MOC2-E6E7, a Murine Orthotopic Model of HNSCC. *J Dent Res*, 97 (Spec Iss A):0722, 2018.

8. Melville JC, Johnson J, Jaul D\*, Shum JW, **Young S**, Hanna I, Wong ME: Efficacy of Stem-Cell Biotechnology for Reconstruction of Mandibular Continuity Defects. *J Dent Res*, 97 (Spec Iss A):1388, 2018.
9. Piotrowski SL\*, Dharmaraj N, Clark A, Taylor R, Bankson J, Hill LR, Lai SY, Kasper FK, **Young S**: Development of a Novel Pre-Clinical Model of Compromised Oral Wound Healing. *J Dent Res*, 97 (Spec Iss A):1510, 2018.
10. Manon VA\*, Gilbert HD, **Young S**, Young JS: Evaluation of the Success Rates of Immediately Placed Implants: A 5 Year Retrospective Pilot Study at UTSD Houston. *American Dental Education Association Annual Meeting*, Orlando, Florida (March 17-20, 2018).
11. Dharmaraj N\*, Piotrowski SL, Golfman LS, Koshy ST, Li WA, Mooney DJ, Sikora AG, **Young S**: Robust Anti-Tumor Immunity Induced by Ectopic Expression of Viral Antigen is Transient and Limited by Immune Escape. *Innovations in Cancer Prevention and Research Conference Annual Meeting*, Austin, Texas (November 13-14, 2017).
12. **Young S\***, Dharmaraj N, Piotrowski S, Koshy ST, Li WA, Mooney DJ, Sikora AG: Overcoming Resistance to Checkpoint Inhibitors through a Rationally-Designed Combinatorial Immunotherapy Approach. *J Oral Maxillofac Surg*, 75(10 Suppl): e331-e332, 2017.
13. Wilson LA\*, Miller JJ, Work RK, Piotrowski SL, **Young S**, Lai SY, Lockworth CR, Hill LR: Novel Diet Regimen for Lagomorphs in a Compromised Oral Wound Healing Study. *American Association for Laboratory Animal Science Annual Meeting*, Austin, Texas (October 15-19, 2017).
14. Cai A, Golfman L, Dharmaraj N, **Young S\***: Characterization of MOC-2-E6E7, A Novel Preclinical Model of HPV-Associated HNSCC. *J Dent Res*, 96 (Spec Iss A):1770, 2017.
15. Melville JC\*, Shum JW, Hanna IA, **Young S**, Wong ME: The Role of Stem Cells in Mandibular Reconstruction. *J Dent Res*, 96 (Spec Iss A):1739, 2017.
16. Melville JC, Nasser NN\*, Hanna I, Demian NM, **Young S**, Wong ME, Shum JW: Immediate Trans-Oral Tissue Engineered Allogeneic Bone Grafting for Large Continuity Defects. Less Morbidity, More Bone. A Paradigm in Benign Tumor Mandibular Reconstruction? *J Oral Maxillofac Surg*, 74(9 Suppl):e84, 2016.
17. Johnson JM, Bishop R, Maida BD\*, Carrier MS, **Young S**, Shum JW, Hanna I, Wong ME, Melville JC: The Use of a Custom-Made Ethylene Vinyl Acetate Interim Obturator for Sub-Total and Total Maxillectomies: A Report of 4 Cases. *J Oral Maxillofac Surg*, 74(9 Suppl):e83, 2016.

18. **Young S\***, Koshy ST, Li WA, Golfman L, Melville JC, Shum JW, Sikora AG, Wong ME, Mooney DJ: Development of Mesoporous Silica Rod-Based Immunotherapies for Head and Neck Squamous Cell Carcinoma. *J Oral Maxillofac Surg*, 74(9 Suppl):e5, 2016.
19. Couey M\* and **Young S**: Immunotherapy in the Treatment of Oral Cancer, *Combined Annual Meeting of the Southwest Society of Oral & Maxillofacial Surgeons, Texas Society of Oral & Maxillofacial Surgeons, and Midwestern Chapter of Oral & Maxillofacial Surgeons*, Grapevine, Texas (April 15, 2016).
20. Shum S, Dyalram D, **Young S\*** and Melville J: Integrate Hospital Clinics into Clinical Curricula: Capitalize on the Experience! *American Dental Education Association Annual Meeting*, Denver, Colorado (March 12-15, 2016).
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