

Faleh Tamimi, BDS, PhD.

Associate Dean for Academic Affairs

Professor, College of Dental Medicine, Qatar University, Doha , Qatar

Adjunct Associate Professor, Faculty of Dentistry, McGill university, Montreal, QC, Canada

fmarino@gu.edu.qa

Scopus

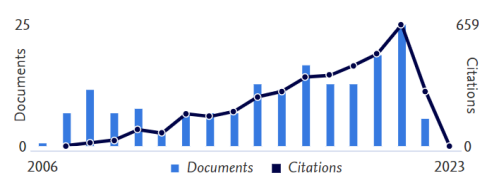
Metrics overview

177
Documents by author

3960
Citations by 2935 documents

37
h-index: [View h-graph](#)

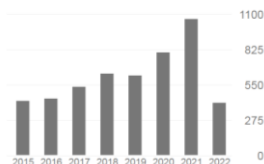
Document & citation trends



Google Scholar

Cited by [VIEW ALL](#)

	All	Since 2017
Citations	6185	4083
h-index	46	37
i10-index	110	101



Highlights :

1. Recognition

- Canada Research Chair (Tier 2)
- W.W. Wood Award for Excellence in Teaching. Association of Canadian Faculties of Dentistry

2. Research Impact

- Citation report: **H-Index 37, 3960 citations (scopus) H-Index 46 (google scholar)**.
- **177 peer-reviewed publications**. many in high impact journals such as Nano Letters IF= 11.19, Biomaterials IF= 12.47 Acta Biomaterialia IF=8.94

3. Track record

- Editor of the book “Digital restorative Dentistry” Wiley, 2019.
- 3 invited book chapters
- Associate Editor of the “Journal of Prosthodontics”.
- 13 patents
- Keynote or Invited Speaker over 50 times.
- Research grants: **> \$2.6M as PI** from federal and provincial agencies (CIHR, Medteq, CFI, and NSERC) and international foundations (ITI foundation , Osteology foundation). And **> \$10.6M as Co-PI**
- HQP training:
 - 6 postdoctoral fellows
 - 14 PhD student
 - 13 Master students
 - 4 international visiting students (PhD and master level)
 - 13 international visiting scholars
 - >15 undergraduate national students
 - 4 Research personnel
- Reviewer for > 20 journals and funding agencies in Canada, France, Switzerland, Hong Kong, etc...
- Public outreach:
 - Interviews in:
 - TV: CTV, global news NBC, FOX, AlJazeera, RTL etc..
 - Radio: Radio Canada, etc...
 - Press: Wall Street Journal, Newsweek, El Pais, The Times, The Sun, The Mirror, etc...
 - Social media campaigns for scientific awareness
 - Development of online portal on evidence-based dentistry to help dentist implement an evidence-based practice

4. Leadership Positions

- **Associate Dean of Research and Graduate Studies**, Faculty of Dentistry, McGill University 2018-2020

- **Co-Director of the Quebec Network for Bone and Oral Health Research (2017-2021)**, A Quebec research network with over 100 researchers.
- **Acting Dean, College of Dental Medicine, Qatar University (2020)**
- Former and current executive of the Canadian Association of Dental Research, The Network of Canadian Oral Health Researchers, and the International Association of Dental Research.
- **Associate Dean of Academic affairs, College of Dental Medicine, Qatar University (2021-present)**

Career Objectives:

My educational career objectives are to bring dental education to the 21st century by evolving the dental curriculum into the digital age and the 4th industrial revolution.

My leadership objectives are to help the teams I lead to excel at the local and international level, and in the process make an impact on the profession of dentistry and the oral health of the general public.

My research objectives are to understand the fundamental principles involved in the health and disease of mineralized tissues (i.e. teeth, bone), with the goal of developing new therapies (Drugs, Biomaterials) and technologies (Artificial Intelligence) for pathologies of these tissue (i.e. Craniofacial bone loss, osteoporosis).

Research Interests:

- Artificial intelligence in healthcare
- Digital Dentistry
- Biomaterials
- Bone pharmacology
- Translational research
- Mineralized tissues
- Dental implantology
- Bone regeneration
- Biomechanics
- Bioceramics
- Biocompatible polymers
- Experimental surgery
- Pharmaceutical technology and control release.
- Restorative Dentistry

1- Most significant contributions

Covid 19 and inflammation: Dr Tamimi has made various critical research contributions in the field of covid 19. Dr Tamimi demonstrated for the first time that chronic infections in the oral cavity can increase the risk of complications in covid 19 patients including a higher risk of death. This article has reached an altmetric index of 911 which is the highest ever for a journal on the field of oral health. This work was highlighted by news outlets across the globe including very influential media outlets such as Foxnews, nbc, abc, rtl, elpais, The Times among many others.

Bioresorbable ceramics for bone regeneration: In a series of articles published by Dr Tamimi (Tamimi et al Biomaterials 2010; Tamimi et al J Biomed Mater Res A 2008; Tamimi et al Acta Biomater 2012), Dr Tamimi discovered a new synthesis pathway for producing a novel bioceramic material, called “monetite granules”. Dr Tamimi demonstrated that this material has unique and ideal properties for bone regeneration that were contrasted in cell culture experiments, animal studies and clinical trials. This research program resulted in a patent that was licensed to a biomedical company (AzurreBio Ltd). Numerous researches worldwide are now working on this new type of bioceramics discovered by Dr Tamimi.

Neuro-pharmacological stimulation of bone: In a series of articles (J Bone and Mineral Research 2012; J Musculoskelet Neuronal Interact 2013), Dr Tamimi demonstrated for the first time that drugs capable of stimulating neuronal activity can improve bone accrual by stimulating specific control centers in the brain. Subsequently, Dr Tamimi demonstrated that these drugs can reduce the risk of hip fracture in elder patients. This study was highlighted in “Nature Reviews: Endocrinology” due to its far-reaching implications. Also results related to this research program have been highlighted by the public media in TV interviews (Global News) and publication in newspapers and magazines such as Newsweek magazine, The New York Daily News, and The Wall Street Journal.

Craniofacial bone augmentation with synthetic onlays: In a series of studies published by Dr Tamimi (Biomaterials, 2009; J Clinical Periodontology, 2011; Biomaterials 2014), he demonstrated for the first time that it is possible to achieve craniofacial bone augmentation with synthetic bioceramic onlays. This means that with this technology, patients suffering from craniofacial defects due to accidents or infections can now be treated with synthetic biomaterials. The relevance of these findings has attracted the interest of important biotechnological companies, the Journal “Biomaterials” accepted the publication of this article without corrections.

Minimally invasive craniofacial bone augmentation: In a series of studies published by Dr Tamimi (Laurenti et al., Nano Letters 2016; Tamimi et al Biomaterials 2009) he discovered an innovative way of achieving bone augmentation through the use of a novel biomaterial that can be injected through a minimally intervention procedure. In order to do this, he had to develop and optimize a calcium phosphate cement and design a new surgical technique in order to apply it. These preliminary results open new possibilities for minimal invasive bone surgery in the craniofacial area.

Crystallographic ultrastructure of tooth enamel regulates its macroscopic properties: In a series of studies published in Journal of Dentistry (2011), Acta Biomaterialia (2012) and Journal of Biomechanics (2014), Dr Tamimi demonstrated that crystallographic dimensions at the nano level have an important influence on the properties to tooth enamel. This study was featured in the editorial of the Journal of Dentistry as one of the most important discoveries in aesthetic dentistry in the year 2011.

2- Education:**Education:****Research training:**

- Post Doc Research Fellow in the department of Dentistry, McGill University, Montreal, Canada (2007-2009).

Project: Development of new cements for oral and maxillofacial applications, and new surgical techniques for dental and maxillofacial surgery applying the possibilities of the new biomaterials.

Supervisor: Prof. Jake E Barralet

- European PhD in Biomaterials "Cum Laudem", University of Madrid U.C.M., Madrid, Spain (2006).

Project: Development and improvement of brushite cements, and their application in dental and maxillofacial surgery.

Supervisor: Prof. Enrique Lopez-Cabarcos

Prof. Luis Blanco

This PhD Thesis these received the Outstanding PhD Award of the Faculty of Dentistry, Universidad Complutense de Madrid, 2007.

- Master degree in Dental Sciences (Equivalent to MSc), University of Madrid U.C.M., Madrid, Spain (2003).

Project: Ultrastructural study of platelet rich plasma for dental and maxillofacial surgery

Supervisor: Prof Luis Blanco

Clinical training:

- Clinical Master degree in Implant-Prosthodontics, University of Madrid U.C.M., Madrid, Spain (2007).

Supervisor: Prof Jaime Del-Rio-Highsmith

- Clinical Master degree in Geriatric Dentistry, University of Madrid U.C.M., Madrid, Spain (2003).

Supervisor: Prof. Angel Gonzales-Sanz

- Bachelor of Dental Surgery (BDS); Jordan University, Amman, Jordan (2001).

Entrepreneurship and Management training:

- Lean Launchpad program on Basic Entrepreneurship Skills, Dobson Center for Entrepreneurship, Desautels Faculty of Management, McGill University (2016).

- Advanced Entrepreneurship training, X1 Accelerator program, Dobson Center for Entrepreneurship, Desautels Faculty of Management, McGill University (2017).

- Entrepreneurship coaching, Entrepreneurship program, District 3 Start-up Incubator, Concordia University (2017-2018)

Leadership training

- Academic Leadership training workshop, McGill University, 2018
- Dental education workshop, Academy for Academic Leadership, Chapel Hill, NC, 2011

Continuing Education:

- All-on-4 prosthodontics. East Cost Maxillofacial Clinic, Moncton. NB, Canada 2013.

- Single-unit dental implant restoration. McGill University Montreal QC, Canada 2013.
- CPR workshop McGill University Montreal QC, 2012 & 2015
- Teaching & Learning Services - Workshop "Introduction to Course Design and Teaching", Montreal QC, 2012.
- Annual Seminar of the International Society for Microencapsulation, Parma Italy, 2005
- Theoretical animal handling course, McGill University, Montreal Canada, 2008.
- Practical animal handling course, McGill University, Montreal Canada, 2008.
- Laboratory safety work course, McGill University, Montreal Canada, 2007.
- PhD course program for Dental sciences U.C.M University Madrid. (21 credit hours) 2001-2002.
- Cardio-pulmonary resuscitation and first aids in the dental clinic (3 credit hours) School of Dentistry U.C.M. University Madrid, February 2002.
- "Advance Surgery in Implantology" (12 credit hours) University of Murcia, October de 2002.
- Diploma for managing patients with medical problems in the dental clinic (3 credit hours) School of Dentistry, U.C.M. University Madrid, April 2003 .
- Basic Course in Electronics, Al Manhal School, 1993-1995 Amman, Jordan.
- Basic Course in computer programming, Al Manhal School, 1993-1995 Amman, Jordan.

Personal Awards:

- Acta Biomaterialia Appreciation certificate, for outstanding reviewers, 2019.
- Aluminus of the Month, May 2016, University of Jordan, Amman Jordan
- Canada Research Chair (Tier 2) in: "Translational Craniofacial Research".
Amount: **500,000 CAD**
- W.W. Wood Award for "Excellence in Dental Education" established by The Association of Canadian Faculties of Dentistry (ACFD). Dr Tamimi won the W.W. Wood Award in 2014.
- "Best Blitz PI Presentation" award for best presentation by a PI in the annual meeting of the "Le Réseau de Recherche en Santé Buccodentaire et Osseuse" in Montreal in 2012.
- "Harry Rosen" salary award for young academics in dentistry, Montreal, Canada 2010.
Amount: **40,000 CAD**
- IV Vital Dent Foundation Award for the best basic dental research study in Spain in 2006.
Amount: **40,000 Euro**.
- Outstanding PhD award, for the best PhD in dentistry defended in the year 2006 at the University Complutense of Madrid, Spain.

Scholarships:

- 1) Research Grant for PhD studies from the Spanish Ministry of Science and Technology 2004-2008.
MAT2003-03051-C03-03 (BES-2004-6210).
May 2004-May 2008.
Project: Development of new biomaterials for dental and maxillofacial bone augmentation.

Amount: **48,000 Euro**.

- 2) Post doc Grant “Alfonso Martin Escudero Foundations”
January 2008- May 2008.
Project: Development and improvement of bone cements for oral and maxillofacial surgery.
Amount: **48,000 Euro**.
- 3) Post Doc Grant MEC-Fulbright “Spanish Foundation for research and Technology”
May 2008-May 2010.
Project: Development ceramic biomaterials for maxillofacial bone augmentation
Amount: **50,000 Euro**.
- 4) Industrial Technology Grant “Torres Quevedo”
March 2009-March 2011. *Declined*
Project: Development of industrial processes for manufacturing monetite granules at large scale.
Amount: **50,000 Euro**.
- 5) Ramon y Cajal Scholarship. This is the most prestigious award for Spanish Young Investigators,
June 2010-June 2015. *Declined*
Amount: **132,000 Euro**(declined)

3- Work Experience:

Administrative positions:

- | | |
|-----------|--|
| 2017-2021 | Co-Director
Le Réseau de recherche en santé buccodentaire et osseuse (RSBO). The Quebec Network for Bone and Oral Health Research |
| 2018-2020 | Associate Dean for Research and Graduate Studies
Faculty of Dentistry, McGill University, Montreal, Canada |
| 2020 | Acting Dean
College of Dental Medicine
Qatar University, Doha Qatar |
| 2021- | Associate Dean for Academic Affaris
College of Dental Medicine
Qatar University, Doha Qatar |

Academic positions:

- | | |
|-----------|---|
| 2020- | Full Professor,
College of Dental Medicine,
Qatar University, Doha Qatar |
| 2021 | Adjunct Professor,
Faculty of Dentistry, McGill University, Montreal, Canada |
| 2014-2020 | Associate Professor (tenured),
Faculty of Dentistry, McGill University, Montreal, Canada |

- 2011-2014 Assistant Professor (tenure-track),
Faculty of Dentistry, McGill University, Montreal, Canada
- 2010-2011 Assistant Professor (Clinical-track),
Faculty of Dentistry, McGill University, Montreal, Canada
- 2007-2009 Post-Doctoral Research Fellow
Faculty of Dentistry, McGill University, Montreal, Canada
- 2004-2007 Research Fellow
Faculty of Pharmacy / Faculty of Dentistry, Universidad Complutense de Madrid, Madrid,
Spain.
- 2005-2007 Teaching assistant
Department of Health Sciences III, Universidad Rey Juan Carlos, Madrid Spain

Scientific visits

- Visiting researcher, CEFO Co., Ltd, Seoul, South Korea (2016)
- Visiting Researcher, Department of Chemical Engineering, University of La Laguna, La Laguna, Spain. (2006)
- Visiting Researcher, Department of Pharmaceutical Technology, University of Parma, Parma, Italy (2005)

Clinical work:

- McGill University Faculty of Dentistry Clinics, Montreal, Canada (2010-2020)
During this period Dr Tamimi worked in the division of prosthodontics, he was executing and supervising prosthodontic treatments.
- Clínica dental Alcalá, Madrid Spain, (2006-2007).
Dr Tamimi worked mainly as a prosthodontics specialized in implant-prosthodontics and dental implants cases.

4- Teaching activity:**Teaching in public institutions:**

- 1) College of Dental Medicine, Qatar University, Doha, Qatar. 2020-2021
 - a. Theory lectures
 - i. Evidence Based dentistry. 2nd year students. 2021-
 - ii. Dental procedural skills (dental materials). 3rd year students. 2021-
 - b. Hands on workshops
 - i. Evidence Based dentistry. 2nd year students. 2021-
- 2) Faculty of Dentistry, McGill University, Montreal Canada. 2007-present.
 - a. Theory lectures:
 - i. DENT 204; The Dental Materials Course for 2nd year dental students; 2008/2009
 - ii. DENT 204; Prosthetic dentistry: fixed prosthodontics 2nd year dental students; 2008-.
 - iii. DENT 320; Prosthetic dentistry: Implant prosthodontics 3rd year dental students; 2009/2010.
 - iv. DENT 320; Prosthetic dentistry: Implant prosthodontics 3rd year dental students; 2009-2016.
 - v. DENT 309; Prosthetic dentistry: Implant prosthodontics 3rd year dental students;

2017-

- vi. DENT 409; Advanced Restorative dentistry; 2011-
- vii. DENT 225: Undergraduate Research in Dentistry; 2014-2019.
- viii. DENT 125: Undergraduate Research in Dentistry; 2017-2019.

b. Laboratory and practical sessions:

- i. DENT 204; The Dental Materials Course for 2nd year dental students; 2007/2008 and 2008/2009.
- ii. DENT 204; Prosthetic dentistry: fixed prosthodontics 2nd year dental students; 2008/2009
- iii. DENT 204; Prosthetic dentistry: removable prosthodontics 2nd year dental students; 2008-2010
- iv. DENT 320; Prosthetic dentistry: Implant prosthodontics 3rd year dental students; 2009-2016
- v. DENT 309; Prosthetic dentistry: Implant prosthodontics 3rd year dental students; 2016-

c. Clinical supervision:

- i. DENT 310; Prosthetic dentistry for 3rd year students clinical clerkship; 2009-

d. Course director:

- i. Director of the course "Restorative Dentistry (DENT320)" for 3rd year dental students; 2010-2016.
- ii. Director of the course "Digital and Advanced Restorative Dentistry (DENT409)" for 4th year dental students; 2016-

3) Faculty of Pharmacy, University of Madrid UCM, 2005/2006.

a. Laboratory and practical sessions:

- i. Applied Physical Chemistry I, for 1st year pharmaceutical students 2004-2006.
- ii. Applied Physical Chemistry II, for 2nd year pharmaceutical students 2005/2006.

4) Faculty of Dentistry, Universidad Complutense de Madrid, Madrid Spain, 2003-2006.

a. Theory lectures:

- i. Graduate course on research on dental implantology 2003/2004.
- ii. Continuing education course on dental implantology and bone regeneration 2006/2007

5) Faculty of Health Science, Universidad de Alcorcon, Madrid, Spain. 2006-2008

a. Theory lectures:

- i. Advanced Dental Implantology course for 5th year dental students 2006/2007
- ii. Advanced Dental Implantology course for 5th year dental students 2007/2008

Continuing education lecturing at public and private institutions:

1. Course on advance dental implantology: "The sinus lift technique"
Clinica Dental Alcalá, Madrid, Spain, 2007. Sponsored by Biomet-3i.
2. Course on advance dental implantology: "The sinus lift technique"
Clinica Dental Alcalá, Madrid, Spain, 2008. Sponsored by Biomet-3i.

3. Continuing education course: "Implant Overdentures".
McGill University, Montreal, Canada, 2012. Sponsored by Dentsply.
4. Continuing education course: "all-on-4 Dentures".
New Brunswick, Moncton, Canada, 2013. Sponsored by Noble Biocare.
5. Continuing education course: "Treatment planning dental implants".
McGill University, Montreal, Canada, 2015. Sponsored by Dentsply.
6. Continuing education course: "Treatment planning dental implants".
Annual meeting of Saudi dental Society, Riyadh, Saudi Arabia, 2016.
7. Continuing education course: "Treatment planning dental implants".
Annual Meeting of the Royal Medical Services, Amman, 2014.
8. Continuing education course: "Impressions of Dental Implants".
McGill University, Montreal, Canada, 2016. Sponsored by Dentsply.
9. Continuing education course: "Treatment planning dental implants".
McGill University, Montreal, Canada, 2016. Sponsored by Dentsply.
10. Continuing education course: "Complete dentures".
McGill University, Montreal, Canada, 2016. Sponsored by Dentsply.

5- Research grants:

As Principal investigator:

- 1) Qatar Foundation (QNRF)
2021-2023
Project: Chronotherapy for covid-19 patients
Amount: 50,000 USD
- 2) Canadian Institute for Health Research (CIHR) Operating
2020-2025
Project: Chronotherapy and bone healing
Amount: 530,000 CAD
- 3) **Canada Research Chair (tier 2) renewal**
2020-2025
Amount 500,000CAD
- 4) National Science and Engineering Research Council (NSERC-Discovery).
2019-2024
Project: High toughness ceramics
Amount: 200,000 CAD
- 5) National Science and Engineering Research Council (NSERC-Discovery) grant.
2018- 2019.
Project: High toughness bioceramics

Amount: **28,000 CAD**

- 6) International Team for Implantology (ITI) Operating Grant
2019-2020
Project: Surface modifications for enhanced epithelial attachment
Amount: **60,000 CAD**
- 7) MEDTEQ
2017-2018
Project: Tooth paste for calculus removal
Amount: **140,000 CAD**
- 8) P&G
2017-2018
Project: reactivity of tooth enamel with metal ions
Amount: **140,000 CAD**
- 9) National Science and Engineering Research Council (NSERC-Engage).
2015-2016
Project: Micro CT Analysis of high contrast samples
Amount: **25,000 CAD**
- 10) National Science and Engineering Research Council (NSERC-Engage).
2015-2016
Project: Accuracy of Intra-oral scanner scanners
Amount: **25,000 CAD**
- 11) National Science and Engineering Research Council (NSERC-Engage).
2015-2016
Project: Needleless injection of dental anesthetics
Amount: **25,000 CAD**
- 12) AO Foundation Operating Grant
2015-2017
Project: The effect of omeprazole affecting bone healing and osseointegration
Amount: **80,000 CAD**
- 13) Mitacs Accelerate.
2014-2017
Project: New toothpaste for managing dental health in adults and elderly patients
Amount: **30,000 CAD**
- 14) International Team for Implantology (ITI) Operating Grant
2015-2016
Project: The effect of selective serotonin re-uptake inhibitors on bone healing and osseointegration
Amount: **74,000 CAD**
- 15) National Science and Engineering Research Council (NSERC-CRD).
2014-2017
Project: partial dentures Laser sintered Removable CRD NSERC
Amount: **240,000 CAD**
- 16) Network for Oral and Bone Health Research (RSBO) Knowledge Translation grant.

2013-Apr 2014.

Project: Development of a tool for knowledge translation in Restorative Dentistry.

Amount: **20,000 CAD**

17) Canadian Foundation for Innovation (CFI).

2013-Apr 2018.

Project: Biomimetic Synthetic Grafts for Bone Regeneration and Epithelial Healing

Amount: **375,000 CAD**

18) National Science and Engineering Research Council (NSERC-Engage).

2013-2013

Project: Characterization of Laser Sintered Cobalt Chromium Alloy

Amount: **25,000 CAD**

19) Canadian Institute of Health Research Operating Grant.

2013-2014.

Project: Hip fracture risk in Alzheimer' patients treated with Acetyl Cholinesterase Amount:

200,000 CAD

20) Canadian Institute of Health Research/IMHA bridging fund (CIHR-Operating).

2013-2014.

Project: Hip fracture risk in Alzheimer' patients treated with Acetyl Cholinesterase

Amount: **100,000 CAD**

21) Canadian Institute of Health Research Proof-of-Principle grant (CIHR-POP).

2013-2014.

Project: Inorganic hydrogel for drug delivery

Amount: **150,000 CAD**

22) Royal Embassy of Saudi Arabia

January 2013-January 2015

Project: Bonding between polymers and metals

Amount: **4,900 CAD**

23) Royal Embassy of Saudi Arabia

December 2012-September 2013

Project: Osseointegration pharmacology

Amount: **4,800 CAD.**

24) National Science and Engineering Research Council (NSERC-Discovery) grant.

April 2012-April 2017.

Project: Biomimetic Synthetic Grafts for Bone Regeneration and Epithelial Healing

Amount: **109,400 CAD**

25) Network for Oral and Bone Health Research (RSBO) FODQ grant.

Mar 2012-Mar 2013.

Project: Engineered biomimetic surfaces to enhance adhesion of epithelial cells on transcutaneous implants.

Amount: **8,000 CAD.**

26) McGill University Start-up fund.

2010-Apr 2017.

Project: Biomimetic Synthetic Grafts for Bone Regeneration and Epithelial Healing

Amount: **75,000 CAD**

As Co-Principal Investigator

- 27) Qatar University
Project: diagnosis of oral cancer with artificial intelligence
Amount: 80,000USD
- 28) CFI 2020 INNOVATION FUND
Project: Atomistic Engineering and Natural Materials
Amount: CAD\$8,300,000
- 29) Canadian Institute of Health Research
2020-2023
Project: A Bayesian deep neural network for early diagnosis of oral cancers
Amount: CAD\$324,000
- 30) FRQNT team grant
2018-2020
Project: Collagen mineralization
Amount: CAD\$80,000
- 31) National Science and Engineering Research Council (NSERC-RTI) grant
January 2017-January 2018.
Project: Upgrade for SkyScan Bruker Micro CT
Amount: **111,000 USD.**
- 32) William and Rhea Seth Award in Engineering Innovation
2018-2019
Project Title: Peek Scaffolds for Tissue Engineering
Amount: **17,000 CAD**
- 33) FRQS-RSBO major structural project
2017-2019
Project: Is aging of bones in the blood?
Amount: **80,000 CAD**
- 34) William and Rhea Seth Award in Engineering Innovation
2018-2019
Project: Boron Glasses for tooth re-mineralization
Amount: **17,000 CAD**
- 35) FRQS network grant
2018-2023
Project: The network for Bone and Oral Health Research
Amount: **600,000 CAD**
- 36) FQRNT collaborative grant
2018-2020
Project: mineralization of collagen scaffolds
Amount: **120,000 CAD**

- 37) International Team for Implantology (ITI) Operating Grant
2017-2022
Project: The effect of electrochemical treatments on the implant biofilm
Amount: **198,000 USD**
- 38) McGill University GRF award
October 2016-October 2017
Project: Maintenance of Sky Scan Micro –CT
Amount: **111,000 CAD**
- 39) William and Rhea Seath Award in Engineering Innovation
May 2017-May2018
Project: Polymer technology for biomedical applications
Amount: **17,000 CAD**
- 40) William and Rhea Seath Award in Engineering Innovation
May 2017-May2018
Project: Remineralizing toothpaste for treating teeth with hypersensitivity
Amount: **17,000 CAD**
- 41) National Science and Engineering Research Council (NSERC-RTI) grant
January 2015-January 2016.
Project: A SEM-Based Nanomanipulation System for Manipulation and Multiphysical Characterization of Semiconductor, Metallic, and Biological Nanomaterials
Amount: **147,000 USD.**
- 42) International Team for Implantology Foundation Research Grant (ITI) no. 871_2012.
January 2013-January 2015.
Project: The impact of Ranibizumab on bone healing: an experimental animal study
Amount: **47,000 USD.**
- 43) Network for Oral and Bone Health Research (RSBO) FODQ grant.
Mar 2011-Mar 2012
Project: Health Concerns Regarding the Presence of Heavy Metals in Tooth Enamel.
Amount: **8,000 CAD.**
- 44) Le ministère du Développement économique, de l'Innovation et de l'Exportation (MDEIE).
Sep 2010-Sep 2012.
Amount: **56,000 CAD.**
Project: Ciments osseux présentant d'importantes propriétés de biorésorption et ostéoconductivité.
- 45) Research grant from Network for Oral and Bone Health Research (RSBO).
2009-2010
Project: "Synthetic onlay grafts for oral vertical bone augmentation"
Amount: **20,000 CAD.**
- 46) Spanish Ministry of Science and Technology Grant; MAT2003-03051-C03-03.
2003-2006
Project: From functional microgels to nanogels: applications in biosensors and conductive colloidal structures.
Amount: **153,050 €**

- 47) Region of Madrid Research Project; GR/MAT/0501/2004. Since 2005 until 2006
Project: Growth hormone encapsulation in poly lactic co glycolic microspheres
Amount: **39,215 €.**
- 48) UCM- Research Groups CAM.
2006-2007
Project: Synthesis characterization and immobilization of enzymes in polymeric microgels and microspheres.
Amount: **9.000 €.**
- 49) Emerging research groups program. CCG06-UCM/SEM-1093.
January 2007 until December 2007.
Amount: **16,000 Euro**
- 50) Spanish Ministry of Science and Education Grant; DGI (MAT2006-13646-C03-01)
2005-2009.
Project: Materials with nano and biotechnological applications: Biosensors, nanoreactors and granules for bone regeneration.
Amount **187,000 €.**
- 51) U.C.M. University Madrid, Vice-chancellor for research, Projects for teaching innovation.
2002-2003.
Project: "Developing an interactive CD-ROM for Oral Implantology teaching purposes"
PI: D.Rafael Baca Pérez-Bryan, Dpt. Stomatology III School of Dentistry ,U.C.M university Madrid.
Amount: **9,000 Euro.**

6- Publications, Patents and Conference Papers:**Publications in Peered Reviewed ISI Journals: (>165)****Over 3500 citations H-index=33 Scopus****Over 5500 citations H-index=44 on Google Scholar**Underlined are the students that had been working under my supervision**Research contributions****i. Refereed contributions**

Citation convention in the applicant's discipline: in his research field **senior authors** are cited last in the manuscript.

The name of the students or trainees supervised is underlined.

- Published refereed articles (original articles published in journals with peer review)
 1. Tamimi F, Altigani S, Sanz M. Periodontitis and coronavirus disease 2019. *Periodontol* 2000. 2022 Jun;89(1):207-214. doi: 10.1111/prd.12434. Epub 2022 Mar 4. PMID: 35244975.
 2. Tamimi I, Carnero P, Bautista D, Gonzalez D, Rodrigo P, Bravo MJ, Gómez A, Tamimi F, Garcia de Quevedo D. Proton Pump Inhibitors and the Risk of Early Aseptic Loosening in Hip and Knee Arthroplasty. *Geriatr Orthop Surg Rehabil*. 2022 Apr 11;13:21514593221091664. doi: 10.1177/21514593221091664. PMID:35433100; PMCID: PMC9006357.
 3. Buck E, Lee S, Gao Q, Tran SD, Tamimi F, Stone LS, Cerruti M. The Role of Surface Chemistry in the Osseointegration of PEEK Implants. *ACS Biomater Sci Eng*. 2022 Apr 11;8(4):1506-1521. doi: 10.1021/acsbiomaterials.1c01434. Epub 2022 Mar 15. PMID: 35290033.
 4. Al-Hashedi AA, Dubreuil N, Schwinghamer T, Dorzhiyeva S, Anweigi L, Emami E, Tamimi F. Aragonite toothpaste for management of dental calculus: A double-blinded randomized controlled clinical trial. *Clin Exp Dent Res*. 2022 Apr 14. doi: 10.1002/cre2.559. Epub ahead of print. PMID: 35419985.
 5. Tamimi Z, Abusamak M, Al-Waeli H, Al-Tamimi M, Al Habashneh R, Ghanim M, Al-Nusair M, Gao Q, Nicolau B, Tamimi F. NSAID chronotherapy after impacted third molar extraction: a randomized controlled trial. *Oral Maxillofac Surg*. 2022 Jan 22. doi: 10.1007/s10006-021-01029-8. Epub ahead of print. PMID: 35064366.
 6. Smith S, ElKashty O, Tamimi F, Tran SD, Cerruti M. Titanium-Containing Silicate-Based Sol-Gel Bioactive Glass: Development, Characterization, and Applications. *Langmuir*. 2021 Dec 14;37(49):14243-14253. doi:10.1021/acs.langmuir.1c01593. Epub 2021 Dec 3. PMID: 34860533.
 7. Al-Hamed FS, Abu-Nada L, Rodan R, Sarrigiannidis S, Ramirez-Garcialuna JL, Moussa H, Elkashty O, Gao Q, Basiri T, Baca L, Torres J, Rancan L, Tran SD, Lordkipanidzé M, Kaartinen M, Badran Z, Tamimi F. Differences in platelet-rich plasma composition influence bone healing. *J Clin Periodontol*. 2021 Dec;48(12):1613-1623. doi: 10.1111/jcpe.13546. Epub 2021 Sep 27. PMID: 34517437.
 8. Mörch CM, Atsu S, Cai W, Li X, Madathil SA, Liu X, Mai V, Tamimi F, Dilhac MA, Ducret M. Artificial Intelligence and Ethics in Dentistry: A Scoping Review. *J Dent Res*. 2021 Dec;100(13):1452-1460. doi: 10.1177/00220345211013808. Epub 2021 Jun 1. PMID: 34060359.
 9. Gao Q, Henley A, Noël G, Der Khatchadourian Z, Taqi D, Abusamak M, He Z, Grøen S, Taher R, Menassa K, Velly A, Emami E, Mongeau L, Tamimi F. Needle-free Mental Incisive Nerve Block: In vitro, Cadaveric, and Pilot Clinical Studies. *Int J Pharm*. 2021 Nov 20;609:121197. doi: 10.1016/j.ijpharm.2021.121197. Epub 2021 Oct 16. PMID: 34666143.
 10. Tamimi F, Ashammakhi N, Mansour A. How Do Bone Allografts Regenerate Bone? *J Craniofac Surg*. 2021 Nov 10. doi: 10.1097/SCS.00000000000008376. Epub ahead of print. PMID: 34759254.

11. Cai Wenji, Marouf Nadya, Said Khalid N., Tamimi Faleh. Nature of the Interplay Between Periodontal Diseases and COVID-19. *Frontiers in Dental Medicine*. 2021, 2, DOI=10.3389/fdmed.2021.735126
12. Vital S, Wulfman C, Girard F, Tamimi F, Charlin B, Ducret M. Script concordance tests: A call for action in dental education. *Eur J Dent Educ*. 2021 Jan 24. doi: 10.1111/eje.12649. Epub ahead of print. PMID: 33486880.
13. Mansour A, Abu Nada L, El-Hadad AA, Mezour MA, Ersheidat A, Al-Subaie A, Moussa H, Laurenti M, Kaartinen MT, Tamimi F. Biomimetic trace metals improve bone regenerative properties of calcium phosphate bioceramics. *J Biomed Mater Res A*. 2021 May;109(5):666-681. doi: 10.1002/jbm.a.37051. Epub 2020 Jul 14. PMID: 32608184.
14. Gao Q, Noël G, Der Khatchadourian Z, Taqi D, Abusamak M, Henley A, Menassa K, Velly A, Emami E, Mongeau L, Tamimi F. Needle-free injection: Dental infiltration anesthesia. *Int J Pharm*. 2021 Jul 15;604:120765. doi: 10.1016/j.ijpharm.2021.120765. Epub 2021 Jun 1. PMID: 34087413.
15. Moussa H, El Hadad A, Sarrigiannidis S, Saad A, Wang M, Taqi D, Al-Hamed FS, Salmerón-Sánchez M, Cerruti M, Tamimi F. High toughness resorbable brushite-gypsum fiber-reinforced cements. *Mater Sci Eng C Mater Biol Appl*. 2021 Aug;127:112205. doi: 10.1016/j.msec.2021.112205. Epub 2021 May 26. PMID:34225857.
16. Al-Hamed FS, Hijazi A, Gao Q, Badran Z, Tamimi F. Platelet Concentrate Treatments for Temporomandibular Disorders: A Systematic Review and Meta-analysis. *JDR Clin Trans Res*. 2021 Apr;6(2):174-183. doi:10.1177/2380084420927326. Epub 2020 May 28. PMID: 32464073.
17. Ashammakhi N, **Tamimi F**, Caterson EJ. Three-Dimensional Bioprinting, Oxygenated Tissue Constructs, and Intravital Tissue Regeneration. *J Craniofac Surg*. 2021 Jun 2. doi: 10.1097/SCS.00000000000007721. Epub ahead of print. PMID:34074928.
18. Taqi D, Moussa H, Schwinghamer T, Vieira AR, Dagdeviren D, Retrouvey JM, Rauch F, Tamimi F; Members of the BBDC. Missing and unerupted teeth in osteogenesis imperfecta. *Bone*. 2021 Sep;150:116011. doi:10.1016/j.bone.2021.116011. Epub 2021 May 18. PMID: 34020077.
19. Mörch CM, Atsu S, Cai W, Li X, Madathil SA, Liu X, Mai V, **Tamimi F**, Dilhac MA, Ducret M. Artificial Intelligence and Ethics in Dentistry: A Scoping Review. *J Dent Res*. 2021 Jun 1:220345211013808. doi: 10.1177/00220345211013808. Epub ahead of print. PMID: 34060359.
20. Tamimi A, **Tamimi F**, Juweid M, Al-Qudah AA, Al Masri A, Dahbour S, Al Bahou Y, Shareef A, Tamimi I. Could vagus nerve stimulation influence bone remodeling? *J Musculoskelet Neuronal Interact*. 2021 Jun 1;21(2):255-262. PMID: 34059570;PMCID: PMC8185259.
21. Richert R, Alsheghri AA, Alageel O, Caron E, Song J, Ducret M, Tamimi F. Analytical model of I-bar clasps for removable partial dentures. *Dent Mater*. 2021 Jun;37(6):1066-1072. doi: 10.1016/j.dental.2021.03.018. Epub 2021 Apr 16. PMID: 33867171.
22. Taqi D, Moussa H, Schwinghamer T, Ducret M, Dagdeviren D, Retrouvey JM, Rauch F, Tamimi F; Members of the BBDC. Osteogenesis imperfecta tooth level phenotype analysis: Cross-sectional study. *Bone*. 2021 Jun;147:115917. doi:10.1016/j.bone.2021.115917. Epub 2021 Mar 16. PMID: 33741542; PMCID: PMC8278321.
23. Al-Hamed FS, Abu-Nada L, Rodan R, Sarrigiannidis S, Ramirez-Garcialuna JL, Moussa H, Elkashty O, Gao Q, Basiri T, Baca L, Torres J, Rancan L, Tran SD, Lordkipanidzé M, Kaartinen M, Badran Z, Tamimi F. Differences in platelet-rich plasma composition influence bone healing. *J Clin Periodontol*. 2021 Sep 13. doi:10.1111/jcpe.13546. Epub ahead of print. PMID: 34517437.

24. Marouf N, Cai W, Said KN, Daas H, Diab H, Chinta VR, Hssain AA, Nicolau B, Sanz M, **Tamimi F**. Association between periodontitis and severity of COVID-19 infection: A case-control study. *J Clin Periodontol*. 2021 Apr;48(4):483-491. doi: 10.1111/jcpe.13435. Epub 2021 Feb 15. PMID: 33527378; PMCID: PMC8014679.
25. Atsu SS, Aksan ME, Bulut AC, **Tamimi F**. The effect of nanocoatings of SiO₂, TiO₂, and ZrO₂ on titanium-porcelain bonding. *J Prosthet Dent*. 2021 Aug;126(2):222.e1-222.e8. doi:10.1016/j.prosdent.2021.04.023. Epub 2021 Jun 3. PMID: 34090660.
26. Al-Hamed FS, Rodan R, Ramirez-Garcialuna JL, Elkashty O, Al-Shahrani N, Tran SD, Lordkipanidzé M, Kaartinen M, Badran Z, **Tamimi F**. The effect of aging on the bone healing properties of blood plasma. *Injury*. 2021 Jul;52(7):1697-1708. doi:10.1016/j.injury.2021.05.001. Epub 2021 May 9. PMID: 34049703.
27. Iozzino R, Champin PA, Richert R, Bui R, Palombi O, Charlin B, **Tamimi F**, Ducret M. Assessing decision-making in education of restorative and prosthetic dentistry: a pilot study. *Int J Prosthodont*. 2021 September/October;34(5):585–590. doi: 10.11607/ijp.7228. Epub 2021 Feb 23. PMID: 33625394.
28. Al-Waeli H, Reboucas AP, Mansour A, Morris M, **Tamimi F**, Nicolau B. Non-steroidal anti-inflammatory drugs and bone healing in animal models-a systematic review and meta-analysis. *Syst Rev*. 2021 Jul 8;10(1):201. doi:10.1186/s13643-021-01690-w. PMID: 34238360; PMCID: PMC8268344.
29. Al-Hamed FS, Kouniaris S, Tamimi I, Lordkipanidzé M, Madathil SA, Kezouh A, Karp I, Nicolau B, **Tamimi F**. Acetylcholinesterase inhibitors and risk of bleeding and acute ischemic events in non-hypertensive Alzheimer's patients. *Alzheimers Dement (N Y)*. 2021 Aug 20;7(1):e12184. doi: 10.1002/trc2.12184. PMID:34458554; PMCID: PMC8377777.
30. Alsheghri A, Reznikov N, Piché N, McKee MD, **Tamimi F**, Song J. Optimization of 3D network topology for bioinspired design of stiff and lightweight bone-like structures. *Mater Sci Eng C Mater Biol Appl*. 2021 Apr;123:112010. doi:10.1016/j.msec.2021.112010. Epub 2021 Mar 5. PMID: 33812629.
31. Tresguerres FGF, Tresguerres IF, Iglesias O, Leco I, **Tamimi F**, Torres J. The role of cortical perforations in allogeneic block grafting for lateral augmentation in maxilla: A randomized clinical trial. *Clin Implant Dent Relat Res*. 2021 Aug;23(4):530-542. doi: 10.1111/cid.12996. Epub 2021 Jun 9. PMID: 34107553.
32. Mahri M, Shen N, Berrizbeitia F, Rodan R, Daer A, Faigan M, Taqi D, Wu KY, Ahmadi M, Ducret M, Emami E, **Tamimi F**. Osseointegration Pharmacology: A Systematic Mapping Using Artificial Intelligence. *Acta Biomater*. 2021 Jan 1;119:284-302. doi: 10.1016/j.actbio.2020.11.011. Epub 2020 Nov 9. PMID: 33181361.
33. Vital S, Wulfman C, Girard F, **Tamimi F**, Charlin B, Ducret M. Script concordance tests: A call for action in dental education. *Eur J Dent Educ*. 2021 Jan 24. doi: 10.1111/eje.12649. Epub ahead of print. PMID: 33486880.
34. Taqi D, Moussa H, Schwinghamer T, Ducret M, Dagdeviren D, Retrouvey JM, Rauch F, Tamimi F; Members of the BBDC. Osteogenesis imperfecta tooth level phenotype analysis: Cross-sectional study. *Bone*. 2021 Mar 16;147:115917. doi: 10.1016/j.bone.2021.115917. Epub ahead of print. PMID: 33741542.

35. Iozzino R, Champin PA, Richert R, Bui R, Palombi O, Charlin B, Tamimi F, Ducret M. Assessing decision-making in education of restorative and prosthetic dentistry: a pilot study. *Int J Prosthodont*. 2021 Feb 23. doi:10.11607/ijp.7228. Epub ahead of print. PMID: 33625394.
36. Al-Hamed FS, Mahri M, Al-Waeli H, Torres J, Badran Z, **Tamimi F**. Regenerative Effect of Platelet Concentrates in Oral and Craniofacial Regeneration. *Front Cardiovasc Med*. 2019 Sep 3;6:126. doi: 10.3389/fcvm.2019.00126. PMID: 31552270; PMCID: PMC6733887.
37. Alageel O, Alsheghri AA, Algezani S, Caron E, **Tamimi F**. Determining the retention of removable partial dentures. *J Prosthet Dent*. 2019 Jul;122(1):55-62.e3. doi: 10.1016/j.prosdent.2018.06.015. Epub 2019 Feb 10. PMID: 30745101.
38. Alageel O, Ashraf N, Bessadet M, Nicolas E, **Tamimi F**. Evaluation of the design-driven prediction of removable partial denture retention. *J Prosthet Dent*. 2020 Sep;124(3):357-364. doi: 10.1016/j.prosdent.2019.10.005. Epub 2019 Dec 4. PMID: 31810612.
39. Retrouvey JM, Taqi D, **Tamimi F**, Dagdeviren D, Glorieux FH, Lee B, Hazboun R, Krakow D, Sutton VR; Members of the BBD Consortium. Oro-dental and cranio-facial characteristics of osteogenesis imperfecta type V. *Eur J Med Genet*. 2019 Dec;62(12):103606. doi: 10.1016/j.ejmg.2018.12.011. Epub 2018 Dec 26. PMID:30593885; PMCID: PMC6594916.
40. G F Tresguerres F, Cortes ARG, Hernandez Vallejo G, Cabrejos-Azama J, **Tamimi F**, Torres J. Clinical and radiographic outcomes of allogeneic block grafts for maxillary lateral ridge augmentation: A randomized clinical trial. *Clin Implant Dent Relat Res*. 2019 Oct;21(5):1087-1098. doi: 10.1111/cid.12834. Epub 2019 Aug 16. PMID: 31419002.
41. Jamleh A, Mansour A, Taqi D, Moussa H, **Tamimi F**. Microcomputed tomography assessment of microcracks following temporary filling placement. *Clin Oral Investig*. 2020 Apr;24(4):1387-1393. doi: 10.1007/s00784-019-03093-7. Epub 2019 Oct 22. PMID: 31641863.
42. Tamimi F, Abusamak M, Akkanti B, Chen Z, Yoo SH, Karmouty-Quintana H. The case for chronotherapy in Covid-19-induced acute respiratory distress syndrome. *Br J Pharmacol*. 2020 Nov;177(21):4845-4850. doi: 10.1111/bph.15140. Epub 2020 Jul 3. PMID: 32442317; PMCID: PMC7280566.
43. Al-Waeli H, Nicolau B, Stone L, Abu Nada L, Gao Q, Abdallah MN, Abdulkader E, Suzuki M, Mansour A, Al Subaie A, Tamimi F. Chronotherapy of Non-Steroidal Anti-Inflammatory Drugs May Enhance Postoperative Recovery. *Sci Rep*. 2020 Jan 16;10(1):468. doi: 10.1038/s41598-019-57215-y. PMID: 31949183; PMCID: PMC6965200.
44. Tamimi I, Nicolau B, Eimar H, Arekunnath Madathil S, Kezouh A, Karp I, **Tamimi F**. Correction to: Acetylcholinesterase inhibitors and the risk of osteoporotic fractures: nested case-control study. *Osteoporos Int*. 2019 May;30(5):1143. doi: 10.1007/s00198-019-04950-7. Erratum for: *Osteoporos Int*. 2018 Apr;29(4):849-857. PMID: 30989401.
45. Allison P, **Tamimi F**. Mouthguards should be worn in contact sports. *Br J Sports Med*. 2020 Sep;54(17):1016-1017. doi: 10.1136/bjsports-2020-102041. Epub 2020 Mar 27. PMID: 32220853.
46. Crossman J, Alzaheri N, Abdallah MN, **Tamimi F**, Flood P, Alhadainy H, El-Bialy T. Low intensity pulsed ultrasound increases mandibular height and Col-II and VEGF expression in arthritic mice. *Arch Oral Biol*. 2019 Aug;104:112-118. doi: 10.1016/j.archoralbio.2019.05.032. Epub 2019 Jun 2. PMID: 31177013.

47. Tamimi I, Madathil SA, Kezouh A, Nicolau B, Karp I, **Tamimi F**. Addendum: Effect of acetylcholinesterase inhibitors on post-surgical complications and mortality following a hip fracture: a cohort study. *J Musculoskelet Neuronal Interact*. 2019 Jun 1;19(2):249. Erratum for: *J Musculoskelet Neuronal Interact*. 2017 Jun 1;17(2):69-77. PMID: 31186398; PMCID: PMC6587083.
48. Almufleh B, Emami E, Alesawy A, Rodan R, Morris M, Umebayashi M, **Tamimi F**. Patient-Reported Outcomes of Metal and Acrylic Resin Removable Partial Dentures: A Systematic Review and Meta-Analysis. *J Prosthodont*. 2020 Jun;29(5):378-386. doi: 10.1111/jopr.13169. Epub 2020 May 30. PMID: 32227689.
49. Richert R, Farges JC, **Tamimi F**, Naouar N, Boisse P, Ducret M. Validated Finite Element Models of Premolars: A Scoping Review. *Materials (Basel)*. 2020 Jul 23;13(15):3280. doi: 10.3390/ma13153280. PMID: 32717945; PMCID: PMC7436020.
50. Almufleh B, Emami E, Al-Khateeb A, Del Monte S, **Tamimi F**. Tooth Shade Preferences among the General Public. *J Prosthodont*. 2020 Jun 16. doi:10.1111/jopr.13213. Epub ahead of print. PMID: 32548899.
51. Almufleh B, Ducret M, Malixi J, Myers J, Nader SA, Franco Echevarria M, Adamczyk J, Chisholm A, Pollock N, Emami E, **Tamimi F**. Development of a Checklist to Prevent Reconstructive Errors Made By Undergraduate Dental Students. *J Prosthodont*. 2020 Apr 13. doi: 10.1111/jopr.13177. Epub ahead of print. PMID:32282105.
52. Tamimi I, Cortes ARG, Sánchez-Siles JM, Ackerman JL, González-Quevedo D, García Á, Yaghoubi F, Abdallah MN, Eimar H, Alsheghri A, Laurenti M, Al-Subaei A, Guerado E, García-de-Quevedo D, **Tamimi F**. Composition and characteristics of trabecular bone in osteoporosis and osteoarthritis. *Bone*. 2020 Nov;140:115558. doi: 10.1016/j.bone.2020.115558. Epub 2020 Jul 27. PMID: 32730941.
53. Oweis Y, Algizani S, Mezour MA, Alageel O, Abdallah MN, Mahjoubi H, Ng B, Laurenti M, Cerruti M, **Tamimi F**. Biocompatibility and Durability of Diazonium Adhesives on Dental Alloys. *J Prosthodont*. 2020 Mar;29(3):251-260. doi:10.1111/jopr.13129. Epub 2020 Feb 5. PMID: 31782584.
54. Alshahrani NS, Abu-Nada L, Ramirez Garcia-Luna JL, Al-Hamed FS, Alamri A, Makhoul NM, **Tamimi F**. Ranitidine Impairs Bone Healing and Implant Osseointegration in Rats' Tibiae. *J Oral Maxillofac Surg*. 2020 Jun 26:S0278-2391(20)30670-4. doi: 10.1016/j.joms.2020.06.027. Epub ahead of print. PMID: 32687794.
55. Sarrigiannidis SO, Moussa H, Dobre O, Dalby MJ, **Tamimi F**, Salmeron-Sanchez M. Chiral Tartaric Acid Improves Fracture Toughness of Bioactive Brushite-Collagen Bone Cements. *ACS Appl Bio Mater*. 2020 Aug 17;3(8):5056-5066. doi:10.1021/acsabm.0c00555. Epub 2020 Jul 6. PMID: 32904797; PMCID: PMC7461128.
56. Reznikov N, Alsheghri AA, Piché N, Gendron M, Desrosiers C, Morozova I, Sanchez Siles JM, Gonzalez-Quevedo D, Tamimi I, Song J, **Tamimi F**. Altered topological blueprint of trabecular bone associates with skeletal pathology in humans. *Bone Rep*. 2020 Apr 28;12:100264. doi: 10.1016/j.bonr.2020.100264. PMID:32420414; PMCID: PMC7218160.
57. Al-Hamed FS, Hijazi A, Gao Q, Badran Z, **Tamimi F**. Platelet Concentrate Treatments for Temporomandibular Disorders: A Systematic Review and Meta-analysis. *JDR Clin Trans Res*. 2020 May 28:2380084420927326. doi:10.1177/2380084420927326. Epub ahead of print. PMID: 32464073.

58. Sanchez-Siles JM, Tamimi-Mariño I, Cortes ARG, Ackerman JL, González-Quevedo D, Guerado E, García A, Yaghoubi F, Abdallah MN, Eimar H, Laurenti M, Al-Subaie A, Tamimi F. Age related changes in the bone microstructure in patients with femoral neck fractures. *Injury*. 2020 Apr;51 Suppl 1:S12-S18. doi:10.1016/j.injury.2020.02.014. Epub 2020 Feb 16. PMID: 32115206.
59. Jiang W, Griffanti G, **Tamimi F**, McKee MD, Nazhat SN. Multiscale structural evolution of citrate-triggered intrafibrillar and interfibrillar mineralization in dense collagen gels. *J Struct Biol*. 2020 Oct 1;212(1):107592. doi:10.1016/j.jsb.2020.107592. Epub 2020 Jul 28. PMID: 32736073.
60. Moussa H, Jiang W, Alsheghri A, Mansour A, Hadad AE, Pan H, Tang R, Song J, Vargas J, McKee MD, **Tamimi F**. High strength brushite bioceramics obtained by selective regulation of crystal growth with chiral biomolecules. *Acta Biomater*. 2020 Apr 1;106:351-359. doi: 10.1016/j.actbio.2020.01.047. Epub 2020 Feb 5. PMID: 32035283.
61. Al-Hamed FS, Maria OM, Phan J, Al Subaie A, Gao Q, Mansour A, Abu Nada L, Boukhatem I, Elkashty OA, Tran SD, Lordkipanidzé M, Badran Z, Tamimi F. Postoperative Administration of the Acetylcholinesterase Inhibitor, Donepezil, Interferes with Bone Healing and Implant Osseointegration in a Rat Model. *Biomolecules*. 2020 Sep 14;10(9):1318. doi: 10.3390/biom10091318. PMID: 32937955;PMCID: PMC7563209.
62. Tamimi I, Nicolau B, Eimar H, Arekunnath Madathil S, Kezouh A, Karp I, **Tamimi F**. Correction to: Acetylcholinesterase inhibitors and the risk of osteoporotic fractures: nested case-control study. *Osteoporos Int*. 2019 May;30(5):1143. doi:10.1007/s00198-019-04950-7. PubMed PMID: 30989401.
63. Mansour A, Abu-Nada L, Al-Waeli H, Mezour MA, Abdallah MN, Kinsella JM, Kort-Mascort J, Henderson JE, Ramirez-Garcialuna JL, Tran SD, Elkashty OA, Mousa A, El-Hadad AA, Taqi D, Al-Hamad F, Alageel O, Kaartinen MT, Tamimi F. Boneextracts immunomodulate and enhance the regenerative performance of dicalcium phosphates bioceramics. *Acta Biomater*. 2019 Apr 15;89:343-358. doi: 10.1016/j.actbio.2019.03.012. Epub 2019 Mar 8. PubMed PMID: 30853609.
64. Carnero-Martín de Soto P, Tamimi-Mariño I, Bautista-Enrique D, Bravo-Zurita MJ, Cáceres AG, **Tamimi F**, Dawid-Milner MS. Use of beta-blockers and risk of aseptic loosening in total hip and knee arthroplasty: a nested case – control study. *J Musculoskelet Neuronal Interact*. 2019 Mar 1;19(1):104-111. PubMed PMID: 30839308; PubMed Central PMCID: PMC6454258.
65. Ma MS, Najirad M, Taqi D, Retrouvey JM, **Tamimi F**, Dagdeviren D, Glorieux FH, Lee B, Sutton VR, Rauch F, Esfandiari S. Caries prevalence and experience in individuals with osteogenesis imperfecta: A cross-sectional multicenter study. *Spec Care Dentist*. 2019 Mar;39(2):214-219. doi: 10.1111/scd.12368. Epub 2019 Feb PubMed PMID: 30758072; PubMed Central PMCID: PMC6402806.
66. Alageel O, Alsheghri AA, Algezani S, Caron E, Tamimi F. Determining the retention of removable partial dentures. *J Prosthet Dent*. 2019 Feb 8. pii:S0022-3913(18)30572-9. doi: 10.1016/j.prosdent.2018.06.015. [Epub ahead of print] PubMed PMID: 30745101.
67. Retrouvey JM, Taqi D, **Tamimi F**, Dagdeviren D, Glorieux FH, Lee B, Hazboun R, Krakow D, Sutton VR; Members of the BBD Consortium. Oro-dental and cranio-facial characteristics of osteogenesis imperfecta type V. *Eur J Med Genet*. 2018 Dec 26. pii: S1769-7212(18)30449-X. doi: 10.1016/j.ejmg.2018.12.011. [Epub ahead of print] PubMed PMID: 30593885.
68. Abu Nada L, Al Subaie A, Mansour A, Wu X, Abdallah MN, Al-Waeli H, Ersheidat A, Stone LS, Murshed M, Tamimi F. The antidepressant drug, sertraline, hinders bone healing and osseointegration in rats'

- tibiae. *J Clin Periodontol*. 2018 Dec;45(12):1485-1497. doi: 10.1111/jcpe.13015. Epub 2018 Nov 5. PubMed PMID: 30289996.
69. Dagdeviren D, Tamimi F, Lee B, Sutton R, Rauch F, Retrouvey JM. Dental and craniofacial characteristics caused by the p.Ser40Leu mutation in IFITM5. *Am J Med Genet A*. 2019 Jan;179(1):65-70. doi: 10.1002/ajmg.a.40383. Epub 2018 Oct 5. PubMed PMID: 30289614; PubMed Central PMCID: PMC6347491.
70. Alsheghri AA, Alageel O, Amine Mezour M, Sun B, Yue S, Tamimi F, Song J. Bio-inspired and optimized interlocking features for strengthening metal/polymer interfaces in additively manufactured prostheses. *Acta Biomater*. 2018 Oct 15;80:425-434. doi: 10.1016/j.actbio.2018.09.029. Epub 2018 Sep 21. PubMed PMID: 30244027.
71. Al-Hashedi AA, Laurenti M, Amine Mezour M, Basiri T, Touazine H, Jahazi M, **Tamimi F**. Advanced inorganic nanocomposite for decontaminating titanium dental implants. *J Biomed Mater Res B Appl Biomater*. 2019 Apr;107(3):761-772. doi: 10.1002/jbm.b.34170. Epub 2018 Sep 8. PubMed PMID: 30194897.
72. Alsheghri AA, Alageel O, Caron E, Ciobanu O, **Tamimi F**, Song J. An analytical model to design circumferential clasps for laser-sintered removable partial dentures. *Dent Mater*. 2018 Oct;34(10):1474-1482. doi:10.1016/j.dental.2018.06.011. Epub 2018 Jun 21. PubMed PMID: 29937332.
73. Dupleichs M, Gao Q, Badran Z, Janvier P, Bouler JM, Gauthier O, **Tamimi F**, Verron E. Delivery systems of local anesthetics in bone surgery: are they efficient and safe? *Drug Discov Today*. 2018 Jun 26. pii: S1359-6446(17)30288-X. doi: 10.1016/j.drudis.2018.06.019. [Epub ahead of print] Review. PubMed PMID:29958991.
74. Abdallah MN, Abughanam G, Tran SD, Sheikh Z, Mezour MA, Basiri T, Xiao Y, Cerruti M, Siqueira WL, **Tamimi F**. Comparative adsorption profiles of basal lamina proteome and gingival cells onto dental and titanium surfaces. *Acta Biomater*. 2018 Jun;73:547-558. doi: 10.1016/j.actbio.2018.04.017. Epub 2018 Apr 13. PubMed PMID: 29660511.
75. Jabbour Z, Al-Khateeb A, Eimar H, Retrouvey JM, Rizkallah J, Glorieux FH, Rauch F, **Tamimi F**. Genotype and malocclusion in patients with osteogenesis imperfecta. *Orthod Craniofac Res*. 2018 May;21(2):71-77. doi: 10.1111/ocr.12218. Epub 2018 Feb 1. PubMed PMID: 29388328.
76. Cortes ARG, Cohen O, Zhao M, Aoki EM, Ribeiro RA, Abu Nada L, Costa C, Arita ES, **Tamimi F**, Ackerman JL. Assessment of alveolar bone marrow fat content using 15 T MRI. *Oral Surg Oral Med Oral Pathol Oral Radiol*. 2018 Mar;125(3):244-249. doi: 10.1016/j.oooo.2017.11.016. Epub 2017 Nov 21.
77. Tamimi I, Nicolau B, Eimar H, Arekunnath Madathil S, Kezouh A, Karp I, **Tamimi F**. Acetylcholinesterase inhibitors and the risk of osteoporotic fractures: nested case-control study. *Osteoporos Int*. 2018 Apr;29(4):849-857. doi: 10.1007/s00198-017-4346-z. Epub 2017 Dec 20. PubMed PMID: 29264626.
78. Abdallah MN, Badran Z, Ciobanu O, Hamdan N, **Tamimi F**. Strategies for Optimizing the Soft Tissue Seal around Osseointegrated Implants. *Adv Healthc Mater*. 2017 Oct;6(20). doi: 10.1002/adhm.201700549. Epub 2017 Sep 27. Review. PubMed PMID: 28960892.

79. Del Monte S, Afrashtehfar KI, Emami E, Abi Nader S, Tamimi F. Lay preferences for dentogingival esthetic parameters: A systematic review. *J Prosthet Dent.* 2017 Dec;118(6):717-724. doi: 10.1016/j.prosdent.2017.04.032. Epub 2017 Sep 1. Review.
80. Oweis Y, Alageel O, Kozak P, Abdallah MN, Retrouvey JM, Cerruti M, Tamimi F. Metal-composite adhesion based on diazonium chemistry. *Dent Mater.* 2017 Nov;33(11):e393-e404. doi: 10.1016/j.dental.2017.07.017. Epub 2017 Aug 7.
81. Roskies MG, Fang D, Abdallah MN, Charbonneau AM, Cohen N, Jordan JO, Hier MP, Mlynarek A, **Tamimi F**, Tran SD. Three-dimensionally printed polyetherketoneketone scaffolds with mesenchymal stem cells for the reconstruction of critical-sized mandibular defects. *Laryngoscope.* 2017 Nov;127(11):E392-E398. doi: 10.1002/lary.26781. Epub 2017 Aug 4. PubMed PMID: 28776691.
82. Almufleh B, Emami E, Alageel O, de Melo F, Seng F, Caron E, Nader SA, Al-Hashedi A, Albuquerque R, Feine J, Tamimi F. Patient satisfaction with laser-sintered removable partial dentures: A crossover pilot clinical trial. *J Prosthet Dent.* 2018 Apr;119(4):560-567.e1. doi: 10.1016/j.prosdent.2017.04.021.
83. Marulanda J, Eimar H, McKee MD, Berkvens M, Nelea V, Roman H, Borrás T, Tamimi F, Ferron M, Murshed M. Matrix Gla protein deficiency impairs nasal septum growth, causing midface hypoplasia. *J Biol Chem.* 2017 Jul 7;292(27):11400-11412. doi: 10.1074/jbc.M116.769802. Epub 2017 May 9. PubMed PMID: 28487368.
84. Badran Z, Abdallah MN, Torres J, **Tamimi F.** Platelet concentrates for bone regeneration: Current evidence and future challenges. *Platelets.* 2017 Jun 26:1-8. doi: 10.1080/09537104.2017.1327656. [Epub ahead of print] PubMed PMID: 28649897.
85. Tamimi I, Madathil SA, Kezouh A, Nicolau B, Karp I, Tamimi F. Effect of acetylcholinesterase inhibitors on post-surgical complications and mortality following a hip fracture: a cohort study. *J Musculoskelet Neuronal Interact.* 2017 Jun 1;17(2):69-77. PubMed PMID: 28574413.
86. Alageel O, Abdallah MN, Alsheghri A, Song J, Caron E, Tamimi F. Removable partial denture alloys processed by laser-sintering technique. *J Biomed Mater Res B Appl Biomater.* 2018 Apr;106(3):1174-1185. doi: 10.1002/jbm.b.33929. Epub 2017 May 31. PubMed PMID: 28561993.
87. Mansour A, Mezour MA, Badran Z, Tamimi F. Extracellular matrices for bone regeneration: a literature review. *Tissue Eng Part A.* 2017 May 31. doi: 10.1089/ten.TEA.2017.0026. [Epub ahead of print] PubMed PMID: 28562183.
88. Abdallah MN, Tran SD, Abughanam G, Laurenti M, Zuanazzi D, Mezour MA, Xiao Y, Cerruti M, Siqueira WL, Tamimi F. Biomaterial surface proteomic signature determines interaction with epithelial cells. *Acta Biomater.* 2017 May;54:150-163. doi: 10.1016/j.actbio.2017.02.044. Epub 2017 Mar 1. PubMed PMID: 28259836.
89. Afrashtehfar KI, Tamimi F. An online tool that provides access to evidence-based literature on dental restorations: www.crownorfill.com. *J Prosthet Dent.* 2017 Apr 28. pii: S0022-3913(17)30132-4. doi: 10.1016/j.prosdent.2017.02.001. [Epub ahead of print] PubMed PMID: 28461049.
90. Abdallah MN, Abdollahi S, Laurenti M, Fang D, Tran SD, Cerruti M, Tamimi F. Scaffolds for epithelial tissue engineering customized in elastomeric molds. *J*

- Biomed Mater Res B Appl Biomater. 2017 Apr 18. doi: 10.1002/jbm.b.33897. [Epub ahead of print] PubMed PMID: 28419685.
91. Sheikh Z, Zhang YL, **Tamimi F**, Barralet J. Effect of processing conditions of dicalcium phosphate cements on graft resorption and bone formation. *Acta Biomater.* 2017 Apr 15;53:526-535. doi: 10.1016/j.actbio.2017.02.022. Epub 2017 Feb 15. PubMed PMID: 28213100.
 92. Wu X, Al-Abedalla K, Abi-Nader S, Daniel NG, Nicolau B, Tamimi F. Proton Pump Inhibitors and the Risk of Osseointegrated Dental Implant Failure: A Cohort Study. *Clin Implant Dent Relat Res.* 2017 Apr;19(2):222-232. doi: 10.1111/cid.12455. Epub 2016 Oct 20. PubMed PMID: 27766743.
 93. Afrashtehfar KI, Emami E, Ahmadi M, Eilayyan O, Abi-Nader S, Tamimi F. Failure rate of single-unit restorations on posterior vital teeth: A systematic review. *J Prosthet Dent.* 2017 Mar;117(3):345-353.e8. doi: 10.1016/j.prosdent.2016.08.003. Epub 2016 Oct 17. Review. PubMed PMID: 27765400.
 94. Fang D, Roskies M, Abdallah MN, Bakkar M, Jordan J, Lin LC, **Tamimi F**, Tran SD. Three-Dimensional Printed Scaffolds with Multipotent Mesenchymal Stromal Cells for Rabbit Mandibular Reconstruction and Engineering. *Methods Mol Biol.* 2017;1553:273-291. doi: 10.1007/978-1-4939-6756-8_22. PubMed PMID: 28229424.
 95. Wu X, Al-Abedalla K, Eimar H, Arekunnath Madathil S, Abi-Nader S, Daniel NG, Nicolau B, Tamimi F. Antihypertensive Medications and the Survival Rate of Osseointegrated Dental Implants: A Cohort Study. *Clin Implant Dent Relat Res.* 2016 Dec;18(6):1171-1182. doi: 10.1111/cid.12414. Epub 2016 Mar 3. PubMed PMID: 26935774.
 96. Al-Subaie AE, Laurenti M, Abdallah MN, Tamimi I, Yaghoubi F, Eimar H, Makhoul N, Tamimi F. Propranolol enhances bone healing and implant osseointegration in rats tibiae. *J Clin Periodontol.* 2016 Dec;43(12):1160-1170. doi: 10.1111/jcpe.12632. Epub 2016 Oct 27. PubMed PMID: 27706837.
 97. Afrashtehfar KI, Ahmadi M, Emami E, Abi-Nader S, Tamimi F. Failure of single-unit restorations on root filled posterior teeth: a systematic review. *Int Endod J.* 2016 Nov 21. doi: 10.1111/iej.12723. [Epub ahead of print] Review. PubMed PMID: 27870102.
 98. Al-Hashedi AA, Laurenti M, Benhamou V, Tamimi F. Decontamination of titanium implants using physical methods. *Clin Oral Implants Res.* 2016 Jul 8. doi: 10.1111/clr.12914. [Epub ahead of print] PubMed PMID: 27392811.
 99. Laurenti M, Al Subaie A, Abdallah MN, Cortes AR, Ackerman JL, Vali H, Basu K, Zhang YL, Murshed M, Strandman S, Zhu J, Makhoul N, Barralet JE, Tamimi F. Two-Dimensional Magnesium Phosphate Nanosheets Form Highly Thixotropic Gels That Up-Regulate Bone Formation. *Nano Lett.* 2016 Aug 10;16(8):4779-87. doi: 10.1021/acs.nanolett.6b00636. Epub 2016 Jul 6. PubMed PMID: 27280476.
 100. Sheikh Z, Drager J, Zhang YL, Abdallah MN, **Tamimi F**, Barralet J. Controlling Bone Graft Substitute Microstructure to Improve Bone Augmentation. *Adv Healthc Mater.* 2016 Jul;5(13):1646-55.

101. Abdallah MN, Eimar H, Bassett DC, Schnabel M, Ciobanu O, Nelea V, McKee MD, Cerruti M, **Tamimi F**. Diagenesis-inspired reaction of magnesium ions with surface enamel mineral modifies properties of human teeth. *Acta Biomater*. 2016;174-83.
102. Roskies M, Jordan JO, Fang D, Abdallah MN, Hier MP, Mlynarek A, **Tamimi F**, Tran SD. Improving PEEK bioactivity for craniofacial reconstruction using a 3D printed scaffold embedded with mesenchymal stem cells. *J Biomater Appl*. 2016;31(1):132-9. doi: 10.1177/0885328216638636. Epub 2016 Mar 14. PubMed PMID:26980549.
103. Eimar H, **Tamimi F**, Retrouvey JM, Rauch F, Aubin J, McKee MD. Craniofacial and Dental Defects in the Col1a1Jrt/+ Mouse Model of OI. *Journal of dental Research* 2016 (Accepted in press).
104. Wu X, Al-Abedalla K, Eimar H, Arekunnath Madathil S, Abi-Nader S, Daniel NG, Nicolau B, **Tamimi F**. Antihypertensive Medications and the Survival Rate of Osseointegrated Dental Implants A Cohort Study. *Clinical Implant Dentistry and Related Research* (Accepted in press).
105. Al Subaie A, Emami E, Tamimi I, Laurenti M, Eimar H, Abdallah MN, **Tamimi F**. Systemic Administration of Omeprazole Interferes with Bone Healing & Implant Osseointegration: An in vivo study on rat tibiae. *J Clin Periodontol*. 2016 Jan 4. doi: 10.1111/jcpe.12506.
106. Ghanem H, Ian Afrashtehfar K, Abi-Nader S, **Tamimi F**. Impact of a "TED-Style" resentation on potential patients' willingness to accept dental implant therapy: a one-group, pre-test posttest study. *J Adv Prosthodont*. 2015 Dec;7(6):437-445.
107. Eimar H, Alebrahim S, Manickam G, Al-Subaie A, Abu-Nada L, Murshed M, **Tamimi F**. Donepezil regulates energy metabolism and favors bone mass accrual. *Bone*. 2015;84:131-138.
108. Sheikh Z, Zhang YL, Grover L, Merle GE, **Tamimi F**, Barralet J. In vitro degradation and in vivo resorption of dicalcium phosphate cement based grafts. *Acta Biomater*. 2015 Oct 15;26:338-46. doi: 10.1016/j.actbio.2015.08.031. Epub 2015 Aug 20.
109. AF Tamimi, I Tamimi, Abdelaziz, Q Saleh, F Obeidat, M Al-Husseini, W Haddadin, M, **F Tamimi**. Epidemiology of Malignant and Non-Malignant Brain Tumors in Jordan. *Journal of Neuroepidemiology*, 2015;45(2):100-8.
110. Momani M, Abdallah MN, Al-Sebaie D, **Tamimi F**. Rehabilitation of a Completely Edentulous Patient with Nonreducible Bilateral Anterior Dislocation of the Temporomandibular Joint: A Prosthodontic Challenge-Clinical Report. *J Prosthodont*. 2015 Jul 27. doi: 10.1111/jopr.12318. [Epub ahead of print]
111. Al-Abedalla K, Torres J, Cortes AR, Wu X, Nader SA, Daniel N, **Tamimi F**. Bone Augmented With Allograft Onlays for Implant Placement Could Be Comparable With Native Bone. *J Oral Maxillofac Surg*. 2015 Nov;73(11):2108-22.
112. Tamimi I, Montesa G, Collado F, González D, Carnero P, Rojas F, Nagib M, Pérez V, Álvarez M, **Tamimi F**. Displaced proximal humeral fractures: When is surgery necessary? *Injury*. 2015;46(10):1921-9.
113. Al Subaie AE, Eimar H, Abdallah MN, Durand R, Feine J, **Tamimi F**, Emami E. Anti-VEGFs hinder bone healing and implant osseointegration in rat tibiae. *J Clin Periodontol*. 2015;42(7):688-96.

114. Torres J, Tamimi I, Cabrejos-Azama J, Tresguerres I, Alkhraisat M, López-Cabarcos E, Hernández G, **Tamimi F**. Monetite granules versus particulate autologous bone in bone regeneration. *Ann Anat.* 2015 Jul;200:126-33.
115. Cortes AR, Eimar H, Barbosa Jde S, Costa C, Arita ES, **Tamimi F**. Sensitivity and specificity of radiographic methods for predicting insertion torque of dental implants. *J Periodontol.* 2015;86(5):646-55.
116. Alageel O, Abdallah MN, Luo ZY, Del-Rio-Highsmith J, Cerruti M, **Tamimi F**. Bonding metals to poly(methyl methacrylate) using aryldiazonium salts. *Dent Mater.* 2014 Dec 2. pii: S0109-5641(14)00654-X. doi: 10.1016/j.dental.2014.11.002.
117. Garcia-Denche JT, Abbushi A, Hernández G, Fernández-Tresguerres I, Lopez-Cabarcos E, **Tamimi F**. Nasal Floor Elevation for Implant Treatment in the Atrophic Premaxilla: A Within-Patient Comparative Study. *Clin Implant Dent Relat Res.* 2015;17 Suppl 2:e520-30.
118. Xixi Wu, K Abdallah, B Nicolau, S Abi-Nader, N Daniel, **F Tamimi**. SSRIs and the Risk of Osseointegrated Implant Failure --A cohort study. *J Dent Res.* 2014 Sep 3. pii: 0022034514549378. [Epub ahead of print] PubMed PMID: 25186831.
119. Arthur Rodriguez Gonzalez Cortes, Zhaoyu Jin, Matthew Daniel Morrison, Emiko Saito Arita, Jun Song, **Faleh Tamimi**. Mandibular tori are associated with mechanical stress and mandibular shape, *Journal of Oral and Maxillofacial Surgery*, 2014;72(11):2115-2125.
120. Tresguerres IF, **Tamimi F**, Eimar H, Barralet J, Torres J, Blanco L, Fernández-Tresguerres JA. Resveratrol as anti-aging therapy for age-related bone loss. *Rejuvenation Res.* 2014 Jun 23. [Epub ahead of print] PubMed PMID: 24956408.
121. Ghadimi E, Eimar H, Song J, Marelli B, Ciobanu O, Abdallah MN, Stähli C, Nazhat SN, Vali H, **Tamimi F**. Regulated fracture in tooth enamel: a nanotechnological strategy from nature. *J Biomech.* 2014; 47(10):2444-51.
122. **Tamimi F**, Torres J, Al-Abedalla K, Lopez-Cabarcos E, Alkhraisat MH, Bassett DC, Gbureck U, Barralet JE. Osseointegration of dental implants in 3D-printed synthetic onlay grafts customized according to bone metabolic activity in recipient site. *Biomaterials.* 2014; 35(21):5436-45. doi: 10.1016/j.biomaterials.2014.03.050. Epub 2014 Apr 13. PubMed PMID: 24726538.
123. Abdallah MN, Light N, Amin WM, Retrouvey JM, Cerruti M, **Tamimi F**. Development of a composite resin disclosing agent based on the understanding of tooth staining mechanisms. *J Dent.* 2014;42(6):697-708. doi:10.1016/j.jdent.2014.03.004. Epub 2014 Mar 14. PubMed PMID: 24632474.
124. Tresguerres IF, **Tamimi F**, Eimar H, Barralet J, Prieto S, Torres J, Calvo-Guirado JL, Fernández-Tresguerres JA. Melatonin dietary supplement as an anti-aging therapy for age-related bone loss. *Rejuvenation Res.* 2014 Mar 11. [Epub ahead of print] PubMed PMID: 24617902.
125. Abi Nader S, Eimar H, Momani M, Shang K, Daniel NG, **Tamimi F**. Plaque Accumulation Beneath Maxillary All-on-4™ Implant-Supported Protheses. *Clin Implant Dent Relat Res.* 2015;17(5):932-7.
126. Eimar H, Perez Lara A, Tamimi I, Márquez Sánchez P, Gormaz Talavera I, Rojas Tomba F, García de la Oliva T, **Tamimi F**. Acetylcholinesterase inhibitors and healing of hip fracture in Alzheimer's disease patients: a retrospective cohort study. *J Musculoskelet Neuronal Interact.* 2013;13(4):454-63.

127. Ghadimi E, Eimar H, Marelli B, Nazhat SN, Asgharian M, Vali H, **Tamimi F**. Trace elements can influence the physical properties of tooth enamel. Springerplus. 2013;2:499.
128. Jesus Torres, Xixi Wu, PP Martinez, Hazem Eimar, E Lopez-Cabarcos, **Tamimi F**. Membranes Over the Lateral Window in Sinus Augmentation Procedures. A Two Arm and Split Mouth Randomized Clinical Trials, J Clin Periodontol. 2013 Nov;40(11):1043-51.
129. Arthur Cortes, Pinheiro LR, Cavalcanti MGP, Arita ES, **Tamimi F**. Sinus Floor Bone Failures in Maxillary Sinus Floor Augmentation: A Case-Control Study. Clin Implant Dent Relat Res. 2015;17:335-42.
130. Eimar H, Tamimi I, Murshed M, **Tamimi F**. Cholinergic regulation of bone. J Musculoskeletal Neuronal Interact. 2013;13(2):124-32.
131. **Tamimi F**, Comeau P, Le Nihouannen D, Zhang YL, Bassett DC, Khalili S, Gbureck U, Tran SD, Komarova S, Barralet JE. Perfluorodecalin and bone regeneration. Eur Cell Mater. 2013;25:22-36.
132. Z. Khavandgar, S. Alebrahim, H. Eimar, **F. Tamimi**, M.D. McKee, M. Murshed. Local Regulation of Tooth Mineralization by Sphingomyelin Phosphodiesterase 3. J Dent Res. 2013;92(4):358-64.
133. Matthew Morrison, **Faleh Tamimi**. Oral tori are associated with local mechanical and systemic factors: A case-control study Journal of Oral and Maxillofacial Surgery. J Oral Maxillofac Surg. 2013;71(1):14-22.
134. Tamimi Mariño I, Sesma Solis P, Pérez Lara A, Martinez Malo J, Vazquez ML, **Tamimi F**. Sensitivity and positive predictive value of magnetic resonance imaging in the diagnosis of elastofibroma dorsi: review of fourteen cases J Shoulder Elbow Surg. 2013;22(1):57-63.
135. Eimar H, Siciliano R, Abdallah MN, Nader SA, Amin WM, Martinez PP, Celemin A, Cerruti M, **Tamimi F**. Hydrogen peroxide whitens teeth by oxidizing the organic structure. J Dent. 2012;40 Suppl 2:e25-33.
136. Eimar H, Ghadimi E, Marelli B, Vali H, Nazhat SN, Amin WM, Torres J, Ciobanu O, Albuquerque Junior RF, **Tamimi F**. Regulation of enamel hardness by its crystallographic dimensions. Acta Biomater. 2012;8(9):3400-10. Epub 2012 Jun 8. PubMed PMID: 22684114.
137. **Tamimi F**, Nihouannen DL, Eimar H, Sheikh Z, Komarova S, Barralet J. The effect of autoclaving on the physical and biological properties of dicalcium phosphate dihydrate bioceramics: Brushite vs. monetite. Acta Biomater. 2012 Aug;8(8):3161-9. Epub 2012 Apr 20. PubMed PMID: 22522010.
138. Tamimi I, Ojea T, Sanchez-Siles JM, Rojas F, Martin I, Gormaz I, Perez A, Dawid-Milner MS, Mendez L, **Tamimi F**. Acetylcholinesterase inhibitors and the risk of hip fracture in Alzheimer's disease patients: A case-control study. J Bone Miner Res. 2012 Jul;27(7):1518-27. doi: 10.1002/jbmr.1616. PubMed PMID: 22467182.
139. Tresguerres IF, Clemente C, Blanco L, Khraisat A, **Tamimi F**, Tresguerres JA. Effects of local melatonin application on implant osseointegration. Clin Implant. Dent Relat Res. 2012 Jun;14(3):395-9. doi: 10.1111/j.1708-8208.2010.00271.x. Epub 2010 Apr 23. PubMed PMID: 20455901.
140. **Tamimi F**, Sheikh Z, Barralet J. Dicalcium phosphate cements: brushite and monetite. Acta Biomater. 2012;8(2):474-87.

141. Torres J, **Tamimi F**, Alkhraisat MH, Prados-Frutos JC, Rastikerdar E, Gbureck U, Barralet JE, López-Cabarcos E. Vertical bone augmentation with 3D-synthetic monetite blocks in the rabbit calvaria. *J Clin Periodontol*. 2011;38(12):1147-53.
142. Eimar H, Marelli B, Nazhat SN, Abi Nader S, Amin WM, Torres J, de Albuquerque RF Jr, **Tamimi F**. The role of enamel crystallography on tooth shade. *J Dent*. 2011;39 Suppl 3:e3-10.
143. Gustavo Duque, Dao Chao Huang, Natalie Dion, Michael Macoritto, Daniel Rivas, Wei Li, Xian Fang Yang, Jiarong Li, Jing Liang, **Faleh Tamim Marino**, Jake Barralet, Viorica Lascau, Claire Deschênes, Louis-Georges Ste-Marie, Richard Kremer. Interferon γ plays a role in bone formation in vivo and rescues osteoporosis in ovariectomized mice. *J Bone Miner Res*. 2011;26(7):1472-83.
144. **Faleh Tamimi**, Damien Le Nihouannen, David C Bassett, Suzette Ibasco, Uwe Gbureck, Jonathan Knowles, Adrian Wright, Andrew Flynn, Svetlana V Komarova, Jake E Barralet. Biocompatibility of magnesium phosphate minerals and their stability under physiological Conditions. *Acta Biomater*. 2011;7(6):2678-85. Epub 2011 Feb 13.
145. Gomez-Polo M, Bartens F, Sala L, **Tamini F**, Celemin A, Del Rio J. The correlation between crown-implant ratios and marginal bone resorption: a preliminary clinical study. *Int J Prosthodont*. 2010;23(1):33-7.
146. Karmouty-Quintana H, **Tamimi F**, McGovern TK, Grover LM, Martin JG, Barralet JE. Sustained steroid release in pulmonary inflammation model. *Biomaterials*. 2010;31(23):6050-9.
147. **Tamimi F**, Torres J, Bassett D, Barralet J, Cabarcos EL. Resorption of monetite granules in alveolar bone defects in human patients. *Biomaterials*. 2010;31(10):2762-9.
148. De la Riva B, Sánchez E, Hernández A, Reyes R, **Tamimi F**, López-Cabarcos E, Delgado A, Evora C. Local controlled release of VEGF and PDGF from a combined brushite-chitosan system enhances bone regeneration. *J Control Release*. 2010;143(1):45-52.
149. Alkhraisat MH, Rueda C, Cabrejos-Azama J, Lucas-Aparicio J, **Mariño FT**, Torres García-Denche J, Jerez LB, Gbureck U, Cabarcos EL. Loading and release of doxycycline hyclate from strontium-substituted calcium phosphate cement. *Acta Biomater*. 2010;6(4):1522-8.
150. Tamimi AF, **Tamimi F**. Medical education in Jordan. *Med Teach*. 2010;32(1):36-40.
151. Jesús Torres, **Faleh Tamimi**, Isabel F. Tresguerres, Mohammad H. Alkhraisat, Ameen Khraisat, Luis Blanco, Enrique López-Cabarcos. Effect of Combining PRP with Anorganic Bovine Bone on Vertical Bone Regeneration: Early Healing Assessment on Rabbit Calvariae. *International Journal of Oral and Maxillofacial Implants*, 2010;25(1):123-9.
152. Torres J, **Tamimi F**, Alkhraisat MH, Manchón A, Linares R, Prados-Frutos JC, Hernández G, López Cabarcos E. Platelet-rich plasma may prevent titanium-mesh exposure in alveolar ridge augmentation with anorganic bovine bone. *J Clin Periodontol*. 2010 Oct;37(10):943-51.
153. **Tamimi F**, Torres J, Gbureck U, Lopez-Cabarcos E, Bassett DC, Alkhraisat MH, Barralet JE. Craniofacial vertical bone augmentation: A comparison between 3D printed monolithic monetite blocks and autologous onlay grafts in the rabbit. *Biomaterials*. 2009;30(31):6318-26.
154. Mohammad Hamdan Alkhraisat, Carmen Rueda, Luis Blanco Jerez, **Faleh Tamimi Mariño**, Jesus Torres, Uwe Gbureck, Enrique Lopez Cabarcos. Effect of silica gel on the cohesion, properties

and biological performance of brushite cement. *Acta Biomaterialia*, 2009;5(8):3150-6.

155. Jesús Torres, **Faleh Tamimi**, Isabel F. Tresguerres, Mohammad H. Alkhraisat, Ameen Khraisat, Luis Blanco, Enrique López-Cabarcos. Effect of platelet-rich plasma on sinus lifting: a randomized-controlled clinical trial. *Journal of Clinical Periodontology J Clin Periodontol*. 2009;36(8):677-87.
156. Mohammad Hamdan Alkhraisat, Uwe Gbureck, Luis Blanco, **Faleh Tamimi**, Carmen Rueda, Jesus Torres Enrique Lopez Cabarcos. Effect of hyaluronic acid on brushite cement cohesion *Acta Biomaterialia*, 2009;5(8):3150-6.
157. Suzette Ibasco, **Faleh Tamimi**, Robert Meszaros, Damien Le Nihouannen, Srikar Vengallatore, Edward Harvey, Jake E Barralet. Magnesium sputtered titanium for the formation of bioactive coatings *Acta Biomaterialia* 2009;5(6):2338-47.
158. M. Sánchez-Paniagua López, **F. Tamimi**, E. López-Cabarcos, B. López-Ruiz Highly sensitive amperometric biosensor base on a biocompatible calcium phosphate cement. *Biosensors and Bioelectronics*, 2009;24(8):2574-9.
159. Jesús Torres, **Faleh Tamimi**, Ignacio García, Herrero A, Rivera B, Sobrino JA, Hernandez G. Dental implants in a patient with Paget's disease under bisphosphonate treatment: a case report. *Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology, and Endodontology*. 2009; 107(3):387-92.
160. **Faleh Tamimi**, Jesus Torres, Enrique Lopez-Cabarcos, David C. Bassett, Pamela Habibovic, Elena Luceron, Jake E. Barralet. Minimally invasive maxillofacial vertical bone augmentation using brushite based cements. *Biomaterials* 2009;30(2):208-16.
161. Rossdeutscher L, Huang DC, Yang XF, **Marino FT**, Barralet J, Kremer R. Effect of 1,25-Dihydroxyvitamin D-3 and 25-Hydroxyvitamin D-3 on Osteoblastogenesis and Bone Strength in Vitamin D Sufficient Growing Mice. *Journal of Bone and Mineral Research* 2008;23:S291-S291.
162. Huang DC, Duque G, Yang XF, **Marino FT**, Barralet J, Kremer R. Low Dose Administration of Interferon gamma Stimulates Osteoblastogenesis and Prevents Ovariectomy-Induced Osteoporosis in C57BL/6 Mice. *Journal of Bone and Mineral Research* 2008;23 S457-S457
163. **Tamimi F**, Torres J, Kathan C, Baca R, Clemente C, Blanco L, Cabarcos EL. Bone regeneration in rabbit calvaria with novel monetite granules. *J Biomed Mater Res A*. 2008;87(4):980-5.
164. Jesús Torres, **Faleh Tamimi**, Ignacio García, Jose Luis Cebrian, Enrique López-Cabarcos, Antonio Lopez. Management of atrophic maxilla in severe osteoporosis treated with bisphosphonates: a case report. *Oral Surg Oral Med Oral Pathol Oral Radiol Endod*. 2008;106(5):668-72.
165. **Tamimi F**, Kumarasami B, Doillon C, Gbureck U, Nihouannen DL, Cabarcos EL, Barralet JE. Brushite-collagen composites for bone regeneration. *Acta Biomater*. 2008;4(5):1315-21.
166. **Tamimi F**, Torres J, Bettini R, Ruggera F, Rueda C, López-Ponce M, Lopez-Cabarcos E. Doxycycline sustained release from brushite cements for the treatment of periodontal diseases. *J Biomed Mater Res A*. 2008;85(3):707-14.

167. Jesús Torres, **Faleh M. Tamimi**, Isabel F. Tresguerres, Mohammad H. Alkhraisat, Ameen Khraisat, Enrique Lopez-Cabarcos, Luis Blanco. Effect of Solely Applied Platelet-Rich Plasma on Osseous Regeneration Compared to Bio-Oss®: A Morphometric and Densitometric Study on Rabbit Calvaria. *Clin Implant Dent Relat Res*. 2008;10(2):106-12.
168. Alkhraisat MH, **Mariño FT**, Rodríguez CR, Jerez LB, Cabarcos EL. Combined effect of strontium and pyrophosphate on the properties of brushite cements. *Acta Biomater*. 2008;4(3):664-70.
169. Alkhraisat MH, **Mariño FT**, Retama JR, Jerez LB, López-Cabarcos E. Beta-tricalcium phosphate release from brushite cement surface. *J Biomed Mater Res A*. 2008;84(3):710-7.
170. Rubio-Retama J, **Tamimi FM**, Heinrich M, López-Cabarcos E. Synthesis and characterization of poly(magnesium acrylate) microgels. *Langmuir*. 2007;23(16):8538-43.
171. Torres J, Tresguerres I, **Tamimi F**, Clemente C, Niembro E, Blanco L. Influence of platelet-rich plasma on bone regeneration: a histomorphometric study in rabbit calvaria. *Int J Oral Maxillofac Implants*. 2007;22(4):563-8.
172. **Tamimi FM**, Montalvo S, Tresguerres I, Blanco Jerez L. A comparative study of 2 methods for obtaining platelet-rich plasma. *J Oral Maxillofac Surg*. 2007;65(6):1084-93.
173. Rubio-Retama J, **Mariño FT**, López-Cabarcos E. Enzymatic biodegradable micro-reactors for therapeutic applications. *J Biomed Mater Res B Appl Biomater*. 2007;83(1):145-52.
174. **Tamimi-Mariño F**, Mastio J, Rueda C, Blanco L, López-Cabarcos E. Increase of the final setting time of brushite cements by using chondroitin 4-sulfate and silica gel. *J Mater Sci Mater Med*. 2007;18(6):1195-201.
175. **Mariño FT**, Torres J, Tresguerres I, Jerez LB, Cabarcos EL. Vertical bone augmentation with granulated brushite cement set in glycolic acid. *J Biomed Mater Res A*. 2007;81(1):93-102.
176. **Mariño FT**, Torres J, Hamdan M, Rodríguez CR, Cabarcos EL. Advantages of using glycolic acid as a retardant in a brushite forming cement. *J Biomed Mater Res B Appl Biomater*. 2007;83(2):571-9.
177. **Tamimi F**, Torres J, Tresguerres I, Clemente C, López-Cabarcos E, Blanco LJ. Bone augmentation in rabbit calvariae: comparative study between Bio-Oss and a novel beta-TCP/DCPD granulate. *J Clin Periodontol*. 2006;33(12):922-8.

ii. Other referred contributions

Patents and intellectual property rights

- 1) Composite disclosing agent (patent filed). 05001770-826USPR. Faleh Tamimi, Yara Oweis, Mohamed Nur Abdallah. Applicant: the Royal Institution for the Advancement of Knowledge/McGill University.
- 2) Selective Regulation of Brushite Bioceramics by Chiral Biomolecules-05001770-827USPR. Faleh Tamimi, Hanan Mousa, Wenge Jiang. Applicant: the Royal Institution for the Advancement of Knowledge/McGill University.
- 3) Computer-Aided Design and Manufacturing of Removable Partial Denture Frameworks with Enhanced Biomechanical Properties, No. PCT/CA2016/050248, Eric Caron, Faleh Ahmad Tamimi Marino, Omar Saleh Alageel, Ammar Alsheghri, Jun Song. Applicant: the Royal Institution for the Advancement of Knowledge/McGill University.

- 4) Magnesium Phosphate Hydrogels (Patent filed) US patent application number 62265570. Filing date Dec 10, 2015. Inventors **Faleh Tamimi**, Marco Laurenti, Ashwaq Hashedi, Iskandar Tamimi, Ahmed Al-Subaie. Applicant: the Royal Institution for the Advancement of Knowledge/McGill University.
- 5) Magnesium Phosphate Gels (Patent filed) US patent application number 61618059. Publication number: WO2013142996 A1. Publication date Oct 3, 2013. Filing date Mar 28, 2013. Inventors **Faleh Tamimi**, Jake Barralet. Applicant: the Royal Institution for the Advancement of Knowledge/McGill University.
- 6) Biomatériaux à base de phosphate de magnésium. Publication number EP2751045 A1 Publication Date Jul 9, 2014 Filing date Aug 31, 2012. Inventors: **Faleh Tamimi**, Jake Barralet, Andrew Flynn. Applicant: Metallic Organic Ltd.
- 7) Three-dimensional matrices of structured porous monetite for tissue engineering and bone regeneration, and method of preparation thereof Publication number CA2729920 C Publication Date Nov 19, 2013 Filing date Jul 8, 2009. Inventors: **Marino Faleh Tamimi**, Perez Julio Font, Feo Maria Begona Castro, Olmo Basterrechea Maite Del, Vazquez Maria Dolores Garcia, Retama Jorge Rubio, Cabarcos Enrique Lopez, Rodriguez Carmen Rueda, Ali Alkhraisat Mohammad Hamdan. Applicant: Histocell, S.L., Perez Julio Font, Feo Maria Begona Castro, Olmo Basterrechea Maite Del, Vazquez Maria Dolores Garcia, Retama Jorge Rubio, Cabarcos Enrique Lopez, Rodriguez Carmen Rueda, Marino Faleh Tamimi, Ali Alkhraisat Mohammad Hamdan. **(Licensed to Histocell S.L.)**
- 8) Bonding Between Metals and Polymers (Patent filed) US patent application number 61739102. Inventors: Marino Faleh Tamimi, Marta Cerruti, Mohamed Nur Abdallah, Omar Alageel.
- 9) Brushite cement granules set with glycolic acid for bone regeneration. Spanish patent number: N° P200503094/5
- 10) Method for synthesis of monomer and polymerization of a biocompatible and biodegradable polymer. Spanish patent number: N° P200601415/3
- 11) Brushite as a system for immobilizing enzymes and its use in amperometric biosensors. Spanish patent number: P200702403.
- 12) Monetite matrices and their application in bone regeneration. PCT/EP2008/058694; WO2009077210-A1 **(Licensed to Azurre Bio S.L.)** Filing date Oct 15, 2007
- 13) Three-dimensional matrices of structured porous monetite for tissue engineering and osseous regeneration, and method for the preparation thereof. **(Licensed to Histocell S.L.)** WO 2010004057 A1 PCT/ES2008/000482 Filing date Jul 8, 2008.

iii. Non-referred contributions

o Published books

Editor:

1. Digital Restorative Dentistry, Faleh Tamimi, Hiroshi Hiroyama, Editors, Springer, 2019

Contributor:

2. Mobile technologies for oral health: an implementation guide BE HE@LTHYBE MOBILE, WHO, 2021
3. CDA report on the future of the dental profession in Canada, CDA, 2018

o Author of published book chapters

1. Jesus Torres, **Faleh Tamimi**, Mohammad Alkhraisat, Juan Carlos Prados-Frutos and Enrique Lopez-Cabarcos (2011). Bone Substitutes, Implant Dentistry - The Most Promising Discipline of Dentistry, Ilser Turkyilmaz (Ed.), ISBN: 978-953-307-481-8, InTech, Available from: <http://www.intechopen.com/articles/show/title/bone-substitutes>
2. Jesus Torres, **Faleh Tamimi**, Arthur Cortes (2015) Block grafts, Advanced Aspects of Imaging in Oral Implantology, Arthur Cortes (Ed.), ISBN: 978-1515311508, CreateSpace Independent Publishing Platform.
3. Momani M*, Abdallah MN*, Al-Subaie D, **Tamimi F.** *Rehabilitation of a Completely Edentulous Patient with Nonreducible Bilateral Anterior Dislocation Of The Temporomandibular Joint*, in *Journal of Prosthodontics on Complex Restorations*. 2016, John Wiley & Sons, Inc.

o **Oral presentations in conferences:**

- 1) Lina Abu Nada, Faleh Tamimi (2018). Oral presentation "The antidepressant, sertraline, hinders bone healing and implant osseointegration". Canadian bone and joint conference, London Ontario, Canada
- 2) Metal-Composite Adhesion Based on Diazonium Chemistry. Oral presentation at the Faculty of Dentistry, McGill University graduate students' research day April 2017.
- 3) Wu X, Al-Abedalla K, Rastikerdar E, Abi Nader S, Daniel N.G, Nicolau B, Tamimi F, Proton Pump Inhibitors and the Risk of Osseointegrated Dental Implant Failure: A Cohort Study. 2016 AADR/CADR ANNUAL MEETING & EXHIBITION LOS ANGELES, CA, Date: March 16th, 2016.
- 4) Abdallah MN, Abdollahi S, Abughanam G, Laurenti M, Xiao Y, Siqueira W, Tran SD, Cerruti M, Tamimi F. The surface proteomic signature of a biomaterial determines its interaction with epithelial cells. *Frontiers in Bioengineering and Biotechnology*. 10th World Biomaterials Congress (WBC). Montreal-Quebec, May 2015.
- 5) Abdallah MN, Abughanam G, Xiao Y, Siqueira W, Tran SD, Cerruti M, Tamimi F. Artificial biomimetic surfaces for improved epithelial attachment. *Frontiers in Bioengineering and Biotechnology*. 10th World Biomaterials Congress (WBC). Montreal-Quebec, May 2015. (Selected for oral presentation).
- 6) Ahmed Alsubaie, ..., Faleh Tamimi. Injectable bone regeneration biomaterial with analgesic properties. 10th World Biomaterials Congress (WBC). Montreal-Quebec, May 2015. (Selected for oral presentation).
- 7) Marco Laurenti, ... **Faleh Tamimi**. Two-Dimensional Magnesium Phosphate Nanosheets Form Highly Thixotropic Gels That Up-Regulate Bone Formation. 10th World Biomaterials Congress (WBC). Montreal-Quebec, May 2015. (Selected for oral presentation).
- 8) Omar Al Ageel, ..., **Faleh Tamimi**. Laser-Sintered Removable Partial Dentures (RPDs) Translation from Lab to Clinic; Unilever Hatton Competition & Awards, IADR, Seoul, Korea; June 2016.
- 9) **Faleh Tamimi** et al. Propranolol Enhances Bone Healing and Implant Osseointegration; an in Vivo Study on Rats' Tibiae. IADR, Seoul, Korea; June 2016.
- 10) Abdallah MN, Abdollahi S, Abughanam G, Laurenti M, Tran SD, Cerruti M, **Tamimi F**. *Customizable polymeric scaffolds for maxillofacial epithelial regeneration*. 10th Annual Faculty of Dentistry Research Day, McGill University, Montreal-Quebec, April 2015.
- 11) Algezani SM, Alageel O, Abdallah MN, Mahjoubi H, Fong T, Cerruti M, **Tamimi F**. *Biocompatibility Of Diazonium Adhesives For Dental Application*. IADR/AADR/CADR General Session. Boston-Massachusetts, March 2015.
- 12) Wu X, Al-Abedalla K, Eimar H, Madathil SA, Rastikerdar E, Abi Nader S, Daniel N.G, Nicolau B, **Tamimi F**. Antihypertensive Drugs and the Survival of Osseointegrated Implants. Research Day of Faculty of Dentistry/McGill, Montreal, Quebec, Canada, April 2nd, 2015
- 13) Wu X, Al-Abedalla K, Eimar H, Madathil SA, Rastikerdar E, Abi Nader S, Daniel N.G, Nicolau B, **Tamimi F**. Antihypertensive Drugs and the Survival of Osseointegrated Implants. 93rd International Association for Dental Research (IADR). Boston, USA March 14th, 2015
- 14) Stefano Del Monte, Elham Emami, **Faleh Tamimi**. Evidence-Based Esthetics of the Smile: A Systematic Review Practice, International College of Prosthodontics, Seoul, Korea, 2015.
- 15) Michelle Chan, Xin Zhang, Ahmed Subaie, **Faleh Tamimi**. The impact of serotonin re-uptake inhibitors on bone healing and implant osseointegration in a Rat Model. Oral health Research Day, Faculty of Dentistry, McGill University, Montreal Canada, January, 2015.

- 16) Krishnamoorthy G, Baker E, Abdallah MN, **Tamimi F**. An investigation of the long-term effect of a new whitening approach using magnesium ions. Oral Health Research Event, Montreal General Hospital (MGH), Qc, Canada. January, 2015.
- 17) M. Laurenti, P. Alonso-Cristobal, D. Serrano Ruiz, **F. Tamimi**, J. Rubio Retama, E. Lopez Cabarcos. Magnetically Recoverable Gold Clusters and Their Use as Catalyst, Material Research Society Fall Meeting, Boston, USA, 2014.
- 18) **F. Tamimi**, J. Torres, K. Al-Abdalla, E. López-Cabarcos, M. H. Alkhraisat, D. C. Bassett, U. Gbureck, J. E. Barralet. Osseointegration of dental implants in 3D-printed synthetic onlay grafts customized according to bone metabolic activity in recipient site. Bioceramics 26, Barcelona, Spain, November 2014
- 19) Wu X, Al-Abdalla K, Eimar H, Madathil SA, Rastikerdar E, Abi Nader S, Daniel N.G, Nicolau B, **Tamimi F**. Dental implant failure among Selective Serotonin Reuptake Inhibitors users. The Canadian Academy of Restorative Dentistry and Prosthodontics, Montreal, Canada, September 2014
- 20) M.N. Abdallah, N. Light, W.M. Amin, J. Retrouvey, M. Cerrut¹, and **F. Tamimi**. Tooth Staining Mechanism in Developing a Composite Resin Disclosing-agent. *American Association of Dental Research*, Charlotte, North Carolina, 2014.
- 21) K. Al Abdallah, A.R.G. Cortes, J. Torres³, X. Wu, S.A. Nader¹, N.G. Daniel⁵, and **F. Tamimi**. Bone augmented with allogeneic onlays is comparable to alveolar bone. *American Association of Dental Research*, Charlotte, North Carolina, 2014.
- 22) Xixi Wu, Emad Rastikerdar, Patricia Oliveira, Samer Abi Nader, N G Daniel, Belinda Nicolau, **Faleh Tamimi**. Dental implant failure among Selective Serotonin Reuptake Inhibitors users. IADR Cape Town, South Africa, June 2014
- 23) Eimar H, Abi Nader S, Momani M, Shang K, Daniel NG, **Tamimi F**. Plaque Accumulation Beneath Maxillary All-on-4™ Implant-Supported Prosthesis. *American Association of Dental Research*, Charlotte, North Carolina, 2014.
- 24) Eimar H, Abi Nader S, Momani M, Shang K, Daniel NG, **Tamimi F**. Plaque Accumulation Beneath Maxillary All-on-4™ Implant-Supported Prosthesis. *Oral and Bone Health Research (RSBO) Scientific Day*, Montreal, Quebec, Canada January 2014.
- 25) Al-Subaie AE, Emami E, Eimar H, Abdallah MN, **Tamimi F**. Do Proton Pump Inhibitors Impact Bone Healing & Implant Osseointegration. *American Association of Dental Research*, Charlotte, North Carolina, 2014.
- 26) Almudena Pérez, Hazem Eimar, Iskandar Tamimi, Pilar Marquez, Torcuato García, **Faleh Tamimi**. Acetylcholinesterase inhibitors: do they enhance fracture healing in femoral neck fractures? A retrospective cohort study. Spanish Society Radiology annual meeting 32nd Edition. Oviedo, Spain, May, 2014.
- 27) Maria Del Pilar Marquez, Almudena Pérez, Hazem Eimar, Iskandar Tamimi, Torcuato García, **Faleh Tamimi**. The Influence acetylcholinesterase inhibitors on the healing of femoral neck fractures: retrospective cohort study. Spanish Society of Musculoskeletal Radiology, XVI meeting, Gijón, Spain, 2014.
- 28) Ahmed Al-Subaie, Elham Emami, Hazem Eimar, Mohamed Nur Abdallah, **Faleh Tamimi**. The Impact of Proton Pump Inhibitors on Bone Healing & Titanium Implant Osseointegration. The Second Annual Maxillofacial Surgery Research Day. McGill University, Montreal, Quebec, December 2013.
- 29) Khadijeh Al-Abdalla, Arthur Cortes, Xixi Wu, Samer Abi Nader, Nach Daniel, **Faleh Tamimi**. Bone Augmented with Allograft Onlays is Comparable to Native Alveolar Bone. The Second Annual Maxillofacial Surgery Research Day. McGill University, Montreal, Quebec, December 2013.
- 30) Xixi Wu, Emad Rastikerdar, Patricia Oliveira, Samer Abi Nader, N G Daniel, Belinda Nicolau, **Faleh Tamimi**. Dental implant failure among Selective Serotonin Reuptake Inhibitors users. 2nd Annual OMFS Research Day, McGill University Faculty of Dentistry. Strathcona Anatomy and Dentistry Building 3640 University, Room B (1/12). December 6th, 2013.
- 31) Abdallah MN, Eimar H, Basset D, Schnabel M, Abi Nader S, Albuquerque R, Cerruti M, Barralet JE, **Tamimi F**. "Reaction of Magnesium Ions with Tooth Enamel Apatite: How to Rejuvenate Teeth?", The Materials Research Society (MRS) annual Fall meeting, Boston, USA, December, 2013.

- 32) Hazem Eimar, **Faleh Tamimi**, Sharifa Alebrahim, Monzur Murshed. "Cholinergic Agonists with Muscarinic Activity favor Bone Mass Accrual by stimulating Osteoblast Proliferation". *Canadian Connective Tissue Conference*, Montreal, Quebec, Canada, May 2013.
- 33) Hazem Eimar, **Faleh Tamimi**, Sharifa Alebrahim, Monzur Murshed. "Cholinergic Agonists with Muscarinic Activity favor Bone Mass Accrual by stimulating Osteoblast Proliferation". *Research Day*, McGill University, Montreal, Quebec, Canada, March 2013.
- 34) Hazem Eimar, Benedetto Marelli, Showan N. Nazhat, Samer Abi Nader, Wala M. Amin, Jesus Torres, Rubens Albuquerque, **Faleh Tamimi**. "The Role of Enamel Crystallography on Tooth Shade". *AADR/CADR General Session*, Tampa, Florida, USA. March 2012.
- 35) Hazem Eimar, Benedetto Marelli, Wala M Amin, Jesús Torres, Nazhat Shawn, Samer Abi-Nader, Rubens Albuquerque, **Faleh Tamimi**. "Tooth Shade is determined by Enamel Ultra-Structure and Chemical Composition". *Research Day and Table Clinics Evening*, McGill University, Montreal, Quebec, Canada, February 2011.
- 36) Abdallah MN, Eimar H, Schnabel M, Abi Nader S, Albuquerque R, Cerruti M, Barralet JE, **Tamimi F**. "Tailoring the Properties of Dental Enamel with Magnesium Ions". Dentistry Research day, McGill University, Montreal, Canada, March 2013.
- 37) Afrashtehfar KI, Ghanem H Abi-Nader S, **Tamimi F**. Patient's knowledge and acceptance of dental implants. 8th Annual Research Day, Faculty of Dentistry, McGill University. March 28, 2013
- 38) Jesús Torres, Pedro-Pablo Martinez, Xixi Wu, Hazem Eimar, **Faleh Tamimi**. Membranes over the lateral window in sinus augmentation procedures. Research Day of Faculty of Dentistry/ McGill. Montreal, Quebec, Canada, March 2013.
- 39) **Faleh Tamimi**, Jesus Torres, Khadijeh Al-Zubi, Uwe Gbureck, Enrique Lopez-Cabarcos, David C. Bassett, Mohammad H. Alkhraisat, Jake E. Barralet. Osteointegration of Dental Implants In Synthetic Onlays Research Day of Faculty of Dentistry/ McGill University, Montreal, Quebec, Canada, March 2013.
- 40) Abdallah MN, Eimar H, Schnabel M, Khadijeh Al-Zubi, Abi Nader S, Albuquerque R, Cerruti M, Barralet JE, **Tamimi F**. "Tailoring the Properties of Dental Enamel with Magnesium Ions". The IADR/AADR/CADR General Session and Exhibition, Seattle, USA, March 2013.
- 41) **Faleh Tamimi**, Jesus Torres, Khadijeh Al-Zubi, Uwe Gbureck, Enrique Lopez-Cabarcos, David C. Bassett, Mohammad H. Alkhraisat, Jake E. Barralet. Osteointegration of Dental Implants In Synthetic Onlays. The IADR/AADR/CADR General Session and Exhibition, Seattle, USA, March 2013.
- 42) Sheikh Z, **Tamimi F**, Barralet J. Bio-Resorption Of Implanted Brushite And Monetite Cements. The IADR/AADR/CADR General Session and Exhibition, Seattle, USA, March 2013.
- 43) Z. Khavandgar, S. Alebrahim, H. Eimar, **F. Tamimi**, M.D. McKee, M. Murshed. Local Regulation of Tooth Mineralization by Sphingomyelin Phosphodiesterase 3. The IADR/AADR/CADR General Session and Exhibition, Seattle, USA, March 2013.
- 44) JS Dhaliwal, R Albuquerque, M Murshed, **F Tamimi**, J Feine. A Histomorphometric Comparison of Osseointegration with MDIs and Standard Implants. The IADR/AADR/CADR General Session and Exhibition, Seattle, USA, March 2013.
- 45) **F. Tamimi**, E. Ghadimi, H. Eimar, B. Marelli, S. Nazhat, H. Vali. Crack Propagation in Tooth Enamel is Regulated by Enamel Apatite Crystallographic Dimensions. 37th International Conference & Exposition on Advanced Ceramics & Composites. Daytona Beach, Florida, January 2013.
- 46) Karmouty-Quintana H, **Tamimi F**, McGovern TK, Grover LM, Martin JG, Barralet JE. Corticosteroid-Loaded nanofibrous calcium phosphate microspheres inhibit airway inflammation. 37th Annual Meeting of the Controlled Release Society July 2010, Portland, OR, USA.
- 47) Flynn A, **Tamimi F**, Barralet J. An inorganic coating for drug release in orthopedic applications. 37th Annual Meeting of the Controlled Release Society July 2010, Portland, OR, USA.
- 48) **Tamimi F**, Doillon C, Barralet J. Angiogenesis by controlled release of H₂S from cysteine-containing bioceramics. 37th Annual Meeting of the Controlled Release Society July 2010, Portland, OR, USA.
- 49) Eimar H, Marelli B, Nazhat SN, Abi Nader S, Amin WM, Torres J, de Albuquerque RF Jr, **Tamimi F**. The role of enamel crystallography on tooth shade. American Association of Dental Research. March 2012, Tampa, FL, USA.
- 50) Afrashtehfar KI, Ghanem H, Abi-Nader S, **Tamimi F**. Patient's knowledge and acceptance of dental implants. 8th Annual Research Day, Faculty of Dentistry, McGill University. Montreal, QC, Mar 2013.

- 51) Afrashtehfar KI, Emami E, Abi-Nader S, **Tamimi F**. Creation of a Knowledge Translation Tool in Restorative Dentistry. 9th National Conference of Mexican Graduate Students and Researchers in Canada “20 Years after NAFTA, 70 Years of Bilateral Cooperation” The Confederation of Mexican Graduate Students and Researchers in Canada (CEIMEXCAN). Consulate-General of Mexico in Montreal “ESPACIO MEXICO”, Montreal, Québec, H3A 1V4, Canada. Oct 2014.
- 52) **F Tamimi**, J Torres, I Tresguerres, L Blanco, E Cabarcos. Vertical bone augmentation with a granulated brushite cement granulate. Europerio 5; p28; Madrid, Spain; June 2006.
- 53) J Torres, I Tresguerres, **F Tamimi**, E Cabarcos, L Blanco. Adding prp to bio-oss improves bone regeneration in osteoporotic rabbits. Europerio 5; Journal of Clinical Periodontology; Madrid, Spain; June 2006.
- 54) **F Tamimi**, J Torres, I Tresguerres, L Blanco, E Cabarcos. Comparison between brushite set-cement granules and biooss for bone augmentation in rabbit calvaria. Europerio 5; Journal of Clinical Periodontology; Madrid, Spain; June 2006.
- 55) **F Tamimi** J Torres, I Tresguerres, L Blanco Jerez, E Lopez-Cabarcos. Synthesis and Characterization of a new Preset Brushite Cement Granulate and its in vivo Comparison with BioOss. European Society for Biomaterials; 20th European Conference on Biomaterials; Nantes, France September 2006.
- 56) M. Sánchez-Paniagua López, **F. Tamimi**, E. López-Cabarcos, B. López-Ruiz. Brushite cement based amperometric biosensor. European Society for Biomaterials; 21th European Conference on Biomaterials; Brighton, United Kingdom, September 2007
- 57) J Rubio Retama, **F Tamimi Marino**, E Lopez Cabarcos. Poly(magnesium acrylate) micro-pomegranate gels for enzyme immobilization (1.A.24). 21st Conference of the European Colloid and Interface Society ECIS 2007 ; 1st Workshop of the COST Action D43 “Colloid and Interface Science for Nanotechnology” September, 2007, Geneva, Switzerland. **Faleh Tamimi Mariono**, Santiago Montalvo, Mohamed Hamdan Khreisat, Luis Blanco Jerez.
Comparative study of two techniques for obtaining platelet rich plasma. Meeting of the Spanish society for Geriatric Dentistry, Leon, Spain 2004
- 59) **F Tamimi**, J Torres, J Rubio Retama, E lopez Cabarcos. Bone regeneration with acidic calcium phosphates. Oral presentation. 3rd Jordanian Medical Faculties Conference, Moutah, Jordan, April 2007.
- 60) C Rueda, C Arias, I Gomez-Escalonilla, **F Tamimi**, E Lopez Cabarcos. Uso simultaneo de polivinilpirrolodona y aerosol como excipientes. Interacciones influencia del pH. XVII Congreso Internazionale Della Societa Farmaceutica Del Mediterraneo Latino. Cagliari, September 2006.
- 61) **F Tamimi**, J Torres, E Luceron, M Hamdan, P Habibovic, E Lopez-Cabarcos, **J Barralet**. Minimally invasive maxillofacial vertical bone augmentation using brushtie based cements. 18th GRIBOI Conference, May 2008, Montreal , Canada
- 62) **Tamimi F**, Torres J, Bassett D, Barralet J, Cabarcos EL Monetite granules for bone regeneration: from the Lab to the Clinic. World congress on Biomaterials, June 2008, Amsterdam , The Netherlands.
- 63) Mohammad Hamdan Alkhraisat, Uwe Gbureck, Luis Blanco, **Faleh Tamimi**, Carmen Rueda, Jesus Torres Enrique Lopez Cabarcos. Strontium modified biocements with zero order release kinetics. World congress on Biomaterials, June 2008, Amsterdam , The Netherlands.
- 64) **Tamimi F**, Torres J, Gbureck U, Lopez-Cabarcos E, Bassett DC, Alkhraisat MH, Barralet JE. Montetite blocks for vertical bone augmentation Meeting of the Canadian society for biomaterials May 2009, Quebec City, Canada
- 65) Flynn A, Tamimi F, **Barralet J**. Magnesium phosphate cements for bone regeneration. Meeting of the Canadian society for biomaterials May 2009, Quebec City, Canada

○ **Poster presentations in conferences:**

- 1) Al-Hamed FS, Hijazi A, Gao Q, Badran Z, Tamimi F: Clinical Efficacy of Platelet Concentrate Injections in the Treatment of Temporomandibular Disorders (TMDs): A Systematic Review and Meta-Analysis, RSBO Conference, Montreal, Quebec, Canada, June 12, 2018.
- 2) Haider Al-Waeli **et al** . Non-steroidal Anti Inflammatory Drugs’ (NSAID) Chronotherapy May Enhance Bone Healing After Surgery, Hatton competitor, IADR London 2018

- 3) Lina Abu Nada, ... ,Faleh Tamimi. Poster entitled "sertraline hinders bone healing and implant osseointegration in rats tibia" RSBO. scientific day (2017), Montreal, Canada. RSBO Scientific day (2017), Montreal, Canada
- 4) Ashwaq Al-Hashedi, Marco Laurenti, Tayebah Basiri, Heithem Touazine, Mohammed Jahazi, Faleh Tamimi. Quebec Innovation: Toothpaste for Cleaning Dental Implants. Annual Congress of The Order Of Dentists of Quebec, (Montreal, Quebec, Canada, May 28-30, 2017).
- 5) Doaa Taqi, Faleh Tamimi, Jean-Marc Retrouvey. Dental and Craniofacial Phenotype for different Osteogenesis Imperfecta Phenotypes, presented in the 12th RSBO scientific day, Montreal, Canada, 2017.
- 6) Doaa Taqi, Faleh Tamimi, Jean-Marc Retrouvey. Osteogenesis Imperfecta Type Specific Dental and Craniofacial Phenotypes, presented in the Annual Osteogenesis Imperfecta Foundation Medical Conference, Chicago, USA, 2017.
- 7) Omar Al Ageel, Faleh Tamimi. Clasps Retention for Laser-Sintered Removable Partial Dentures (RPDs); IADR (International Association for Dental Research) San Francisco, California, March 2017.
- 8) Qiman Gao, Entisar Abdulkader, Geoffroy Noel, Faleh Tamimi, Karim Menassa. Application prospect of Needle-free device in Dental Anesthesia. Faculty of Dentistry, McGill University, Montreal. MIT Canada, Montreal, Quebec. Journée scientifique 2017 du RSBO Friday, May 26th, 2017
- 9) Balqees Al Mufleh, Jeffrey Meyers, Jodeci Malixi, Faleh Tamimi, "Dental Safety Checklist, development and validation in McGill Undergraduate clinic" in RSBO Réseau de Recherche en Sante Buccodentaire et Osseuse held in Montreal, Quebec, Canada in March 11th, 2016.
- 10) Wu X, Al-Abedalla K, Abi Nader S, Daniel N.G, Nicolau B, Tamimi F. Antihypertensive Medications and the Survival Rate of Osseointegrated Dental Implants: A Cohort Study. Le Réseau de recherche en sant buccodentaire et osseuse (RSBO) 2016. Montreal, Canada. March 11th, 2016
- 11) Alaa Mansour, Ahmed AL Subaie, Marco Laurenti, and Faleh Tamimi. Dicalcium phosphate cements prepared from synthetic hydroxyapatite. World Biomaterial Congress, Montreal, QC, Canada, May 2016.
- 12) Ashwaq Al-Hashedi, Marco Laurenti, Faleh Tamimi. From toothpaste to "implant-paste": A new product for cleaning dental implants. Front. Bioeng. Biotechnol. Conference Abstract: 10th World Biomaterials Congress. doi: 10.3389/conf.FBIOE.2016.01.02126 (Montreal, Quebec, Canada. May 17-22, 2016).
- 13) Omar Al Ageel,...,Faleh Tamimi. Metals-to-Composite Dental Adhesives Based on Diazonium Chemistry; World Biomaterials Congress, Montreal, QC; June 2016.
- 14) Omar Al Ageel,...,Faleh Tamimi. Characterization of Alloys Produced With New System For Processing Dental Prosthesis; World Biomaterials Congress, Montreal, QC; June 2016.
- 15) Abdallah MN, Eimar H, Basset D, Schnabel M, Nelea V, McKee MD, Cerruti M, Barralet JE, **Tamimi F**. Artificially Induced Diagenesis in Human Tooth Enamel. IADR/AADR/CADR General Session. Boston-Massachusetts. March, 2015.
- 16) Ashwaq Al-Hashedi, Marco Laurenti, Veronique Benhamou, **Faleh Tamimi**. Decontamination of Titanium implants using physical methods. Technology Transfer and Commercialization (TTC) workshop, University of Toronto, Ontario, Canada. July 30 & 31, 2015.
- 17) Ashwaq Al-Hashedi, Marco Laurenti, Veronique Benhamou, **Faleh Tamimi**. Decontamination of Titanium implants using physical methods. Annual McGill Biomedical Graduate Conference, McGill University, Montreal, Quebec, Canada. March 19th, 2015.
- 18) Ashwaq Al-Hashedi, Marco Laurenti, Veronique Benhamou, **Faleh Tamimi**. Decontamination of Titanium implants using physical methods. IADR/AADR/CADR General Session & Exhibition, Boston, Massachusetts, USA. March 11-14, 2015.
- 19) Abdallah MN, Abdollahi S, Abughanam G, Laurenti M, Tran SD, Cerruti M, **Tamimi F**. Customized poly(D, L lactide) (PDLLA) scaffolds fabricated in plasma coated polyether molds: Implant site augmentation simplified. Skin Research Group Symposium 2014, Montreal-Quebec, June 2014.
- 20) M. Laurenti, Y. L. Zhang, J. Barralet, F. Tamimi. Silicate Free Synthetic Clay Hydrogel for Drug and Food Application, Material Research Society Spring Meeting, 2014, San Francisco, USA.
- 21) M. Laurenti, Y. L. Zhang, J. Barralet, **F. Tamimi**. Drug Release System Based On An Inorganic Phosphate Hydrogel, CSPS/CC-CRS, 2014, Montreal, Canada.
- 22) Abdallah MN, Abdollahi S, Abughanam G, Laurenti M, Tran SD, Cerruti M, **Tamimi F**. Customized poly(D, L lactide) (PDLLA) scaffolds fabricated in plasma coated polyether molds: Implant site augmentation

- simplified. The Network for Canadian Oral Health Research (NCOHR) 2014 workshop, University of Alberta, Edmonton-Alberta, June 2014.
- 23) Alageel O, Kozak P, Abdallah MN, Retrouvey JM, Cerruti M, **Tamimi F**. Surface Chemical Treatment of Orthodontic Brackets for Improved Tooth Adhesion. AADR/CADR Annual Meeting, Charlotte-North Carolina, March, 2014.
 - 24) Ansari Y, Abdallah MN, Youssef M, Velly A, **Tamimi F**. Effect of salivary elemental composition on tooth enamel physical properties. 9th Annual Faculty of Dentistry Research Day, McGill University, Montreal-Quebec, March, 2014.
 - 25) Al Subaie A, Eimar H, Abdallah MN, **Tamimi F**. Impact of VEGF Targeting Medications on Bone Healing & Implant Osseointegration. 9th Annual Faculty of Dentistry Research Day, McGill University, Montreal-Quebec, March, 2014.
 - 26) Alageel O, Kozak P, Abdallah MN, Retrouvey JM, Cerruti M, **Tamimi F**. Surface Chemical Treatment of Orthodontic Brackets for Improved Tooth Adhesion. RSBO Scientific Day, Orford-Quebec, January 2014.
 - 27) Al Subaie A, Emami E, Eimar H, Abdallah MN, **Tamimi F**. The Impact of Proton Pump Inhibitors on Bone Healing & Titanium Implant Osseointegration. RSBO Scientific Day, Orford-Quebec, January 2014.
 - 28) Ashwaq Al-Hashedi, **Faleh Tamimi**, Rubens Albuquerque. Oral Biofilm accumulation on Titanium implant surfaces. Canadian Dental Research Student Workshop, University of Alberta, Edmonton, Alberta, Canada. June 16 - 17, 2014.
 - 29) Ashwaq Al-Hashedi, **Faleh Tamimi**, Rubens Albuquerque. Oral Biofilm accumulation on Titanium implant surfaces. 10th Interdisciplinary Graduate Student Research (IGSR) Symposium, McGill University, Montreal, Quebec, Canada. April 1st & 2nd, 2014.
 - 30) Ashwaq Al-Hashedi, Marco Laurenti, **Faleh Tamimi**, Rubens Albuquerque. Electrochemical Changes of Titanium Surfaces by Oral Biofilm. Faculty of Dentistry Scientific Day, McGill university, Montreal, Quebec, Canada March 26th, 2014.
 - 31) Ashwaq Al-Hashedi, Marco Laurenti, Rubens Albuquerque, **Faleh Tamimi**. Biofilm accumulation on Titanium implant surfaces. American Association for Dental Research (AADR/CADR) Annual Meeting, Charlotte, North Carolina, USA. March 19-22, 2014.
 - 32) Ashwaq Al-Hashedi, **Faleh Tamimi**, Rubens Albuquerque. Oral Biofilm accumulation on Titanium implant surfaces. The Network for Oral and Bone Health Research (RSBO) Scientific Day, Quebec City, Quebec, Canada. January 17, 2014
 - 33) Xixi Wu, Emad Rastikerdar, Patricia Oliveira, Samer Abi Nader, N G Daniel, Belinda Nicolau, **Faleh Tamimi**. Dental implant failure among Selective Serotonin Reuptake Inhibitors users. *American Association of Dental Research*, Charlotte, North Carolina, 2014.
 - 34) A.R.G. Cortes, Z. Jin², M.D. Morrison, J. Song², E.S. Aarita¹, and **F. Tamimi**. Mandibular Tori Are Associated With Mechanical Stress And Mandibular Shape. *American Association of Dental Research*, Charlotte, North Carolina, 2014.
 - 35) Y. Ansari, M.N. Abdallah, M.A. Youssef, A. Velly, and **F. Tamimi**. Distribution of Trace Elements in Tooth Enamel and Saliva. *American Association of Dental Research*, Charlotte, North Carolina, 2014.
 - 36) Abdallah MN, Eimar H, Schnabel M, Abi Nader S, Albuquerque R, Cerruti M, Barralet JE, **Tamimi F**. "Tailoring the Properties of Dental Enamel with Magnesium Ions". Network for Canadian Oral Health Research (NCOHR), 2013 Canadian Dental Research Student Workshop "Careers in Academic Dentistry". Western University, London Ontario. June, 2013.
 - 37) Alageel O, Abdallah MN, Cerruti M, **Tamimi F**. "Bonding between Metals and Polymers for Dental Application". The Materials Research Society (MRS) annual Fall meeting, Boston, USA, December, 2013.
 - 38) Abdallah MN, Light N, Amin WA, Retrouvey M, Cerruti M, **Tamimi F**. "Tooth staining: understanding the mechanism to develop a composite resin disclosing agent". RSBO Scientific Day, Estrimont, Orford, January 2014.
 - 39) Ansari Y, Abdallah MN, Youssef M, Velly A, **Tamimi F**. 'Distribution of Trace Elements in Tooth Enamel and Saliva'. RSBO Scientific Day, Estrimont, Orford, January 2014.
 - 40) Hazem Eimar, **Faleh Tamimi**, Sharifa Alebrahim, Monzur Murshed. "Cholinergic Agonists with Muscarinic Activity favor Bone Mass Accrual by stimulating Osteoblast Proliferation". Canadian Chapter of the Controlled Release Society, Vancouver, Canada, June 2013.

- 41) Ghadimi E, Eimar H, Song J, Marelli B, Ciobanu O, Nazhat S, Vali H, **Tamimi F**. Prediction of Tooth Enamel Cracking Through its Crystallographic Dimensions. The IADR/AADR/CADR General Session and Exhibition, Seattle, USA, March 2013.
- 42) Ghanem H, Afrashtehfar KI, Abi Nader S, **Tamimi F**. Potential barriers to acceptance of dental treatment therapy. Journées dentaires internationales du Québec. May 24-28, 2013, Palais des congrès de Montréal, Montreal, Canada.
- 43) Hazem Eimar, Ryan Siciliano, Mohamed Nur Abdallaha, Samer Abi Nader, Wala M. Amin, Martinezd PP, Celemine A, Marta Cerruti, **Faleh Tamimi**. "Hydrogen peroxide whitens teeth by oxidation the organic structure". SCAD, Chicago, Illinois, USA, September 2012
- 44) Hazem Eimar, Benedetto Marelli, Showan N Nazhat, Samer Abi Nader, Wala M Amin, Jesus Torres-Rubens Albuquerque, **Faleh Tamimi**. "Tooth Enamel Ultra-Structure: Correlation between Composition and Physical Properties". *Faculty of Dentistry Research Day*, McGill University, Montreal, Quebec, Canada, March 2012.
- 45) Ryan Siciliano, Hazem Eimar, Mohamed Nur Abdallah, Samer Abi Nader, Wala M. Amin, **Faleh Tamimi**. "Understanding How Bleaching whitens Teeth". *Faculty of Dentistry Research Day*, McGill University, Montreal, Quebec, Canada, March 2012.
- 46) Hazem Eimar, Benedetto Marelli, Showan N Nazhat, Samer Abi Nader, Wala M Amin, Jesus Torres-Rubens Albuquerque, **Faleh Tamimi**. "Tooth Enamel Ultra-Structure: Correlation Between Composition and Physical Properties". *Material Research Society (MRS) Fall Exhibit*, Boston, USA, November 2011.
- 47) Hazem Eimar, Isabel F. Tresguerres, Rubens Albuquerque, Jake Barralet, Jesus A.F Tresguerres, **Faleh Tamimi**. "Melatonin and Resveratrol Increase Bone Accrual in Aging Rats". *The New Therapeutics Targets & Diagnostics in Musculoskeletal Disorders Conference*, Montreal, Quebec, October 2011.
- 48) Hazem Eimar, Benedetto Marelli, Showan N Nazhat, Samer Abinader, Wala M Amin, Jesus Torres-Rubens Albuquerque, **Faleh Tamimi**. "Proteins Regulation of Enamel Crystallographic Ultrastructure". *Society of Craniofacial Genetics and Developmental Biology Annual Meeting*, Montreal, Canada, October 2011.
- 49) Hazem Eimar, Benedetto Marelli, Showan N Nazhat, Samer Abinader, Wala M Amin, Jesus Torres-Rubens Albuquerque, **Faleh Tamimi**. "The Role of Enamel Crystallography on Tooth Shade". *RSBO Scientific Day*, Quebec City, Quebec, October 2011.
- 50) Hazem Eimar, Isabel F. Tresguerres, Rubens Albuquerque, Jake Barralet, Jesus A.F Tresguerres, **Faleh Tamimi**. "Melatonin and Resveratrol increase Bone Accrual in Aging Rats". *Canadian Chapter of the Controlled Release Society (CC-CRS) Conference*, Montreal, Quebec, Canada, May 2011.
- 51) Hazem Eimar, Isabel F. Tresguerres, Rubens Albuquerque, Jake Barralet, Jesus A.F Tresguerres, **Faleh Tamimi**. "Melatonin and Resveratrol Increase Bone Accrual in Aging Rats". *Research Day and Table Clinics Evening*, McGill University, Montreal, Quebec, Canada, February 2011.
- 52) Emad Rastikerdar, Xixi Wu, Hazem Eimar, Belinda Nicolau, Nach Daniel, Samer Abi Nader, **Faleh Tamimi**. Do Antihypertensive Drugs Affect the Success Rate of Dental Implants? Table Clinics of Faculty of Dentistry/McGill, Montreal, Quebec, Canada. February 2013
- 53) **Faleh Tamimi**, Jesus Torres, Khadijeh Al-Zubi, Uwe Gbureck, Enrique Lopez-Cabarcos, David C. Bassett, Mohammad H. Alkhraisat, Jake E. Barralet. Osteointegration of Dental Implants In Synthetic Onlays. Research Day of Faculty of Dentistry/McGill University. Quebec, Canada. March 2012.
- 54) **Faleh Tamimi**, Jesus Torres, Khadijeh Al-Zubi, Uwe Gbureck, Enrique Lopez-Cabarcos, David C. Bassett, Mohammad H. Alkhraisat, Jake E. Barralet. Osteointegration of Dental Implants In Synthetic Onlays. RSBO Scientific Day. Quebec, Canada. November 2012.
- 55) Abadallah MN, Eimar H, Schnabel M, Abi Nader S, Albuquerque R, Cerruti M, Barralet JE, **Tamimi F**. "Tailoring the Properties of Dental Enamel with Magnesium Ions". The Network for Canadian Oral Health Research (NCOHR) 2013, First Canadian Dental Student Workshop, London, Ontario, June 2013.
- 56) Fayezi Sisi A, Abdallah MN, **Tamimi F**, Albuquerque R. "Characterization of the titanium implant surface before and after contamination with saliva". Research day, McGill University, Montreal, Canada, March 2013.
- 57) Alageel O, Abdallah MN, Cerruti M, **Tamimi F**. "Bonding between Metals and Polymers for Dental Application". Dentistry Research day, McGill University, Montreal, Canada, March 2013.

- 58) Youssef M, Abdallah MN, Eimar H, Ghadimi E, Shenouda M, **Tamimi F**. "Tooth Enamel : Compositional association with Human Saliva and Eruptive changes. A pilot study" Table Clinic Day, Faculty of Dentistry, McGill University, Feb 2013.
- 59) Light N, Abdallah MN, Retrouvey M, **Tamimi F**. "Disclosing Agent for Composites" Table Clinic Day, Faculty of Dentistry, McGill University, Feb 2013.
- 60) Eimar H , Siciliano R, Abdallah MN, Samir Abi Nader, Amin WM, **Tamimi F** "Hydrogen peroxide whitens teeth by oxidizing the organic structure". RSBO Scientific Day, Quebec City, October 2012.
- 61) Alageel O, Abdallah MN, Cerruti M, **Tamimi F**. "Bonding Titanium to poly-methyl methacrylate for dental prosthesis". Dentistry Research Day- McGill University on March, 2012.
- 62) Abdallah MN, Cerruti M, **Tamimi F**. "Chemical and Elemental Composition of the Tooth Enamel Surface". Dentistry Research day, McGill University, Montreal, Canada, March 2012.
- 63) Ousama Damraj, Omar AlAgeel, Marta Cerruti, **Faleh Tamimi**. Adhesives and implant supported dentures Table Clinic Day, Faculty of Dentistry, McGill University, Feb 2013.
- 64) Chad Sampson, Azaz Awan, Jun Song, **Faleh Tamimi**. Could the morphology of the mandible be related to the presence of mandibular tori? Table Clinic Day, Faculty of Dentistry, McGill University, Feb 2013.
- 65) Feras Al Halabi, Cerruti M, **Tamimi F**. Custom poly(D,L lactide) (PDLLA) scaffolds fabricated in Plasma coated Polyether molds: Implant site. Table Clinic Day, Faculty of Dentistry, McGill University, Feb 2013.
- 66) Rami Yassine, Hazem Eimar, Samer Abinader, **Faleh Tamimi**. Treatment planning and learning tools: Evaluation of restorative knowledge translation software. Table Clinic Day, Faculty of Dentistry, McGill University, Feb 2013.
- 67) Erica Kader, **Faleh Tamimi**, Jean Marc Retrouve. Printing orthodontic retainers using CAD/CAM technology. Table Clinic Day, Faculty of Dentistry, McGill University, Feb 2013.
- 68) Mohamed Youssef, Diana Heckler, **Faleh Tamimi**. Determining the association between the composition of Human Saliva and Tooth Enamel using Inductively Coupled. Table Clinic Day, Faculty of Dentistry, McGill University, Feb 2013.
- 69) Matthew Morrison, **Faleh Tamimi**, Oral tori are associated with local mechanical and systemic factors: a case-control study. CDA/DENTSPLY Student Clinician Research Program took place in Saskatoon, Saskatchewan, September 2012.
- 70) Ke Shang, Samer Abinader, **Faleh Tamimi**. Comparison of the differential plaque accumulation on five areas of eleven All-on-4 dental implants. Table Clinic Day, Faculty of Dentistry, McGill University, Feb 2012.
- 71) Dien Liu, Mukhtar Alnoaimi, Samer Abinader, Rubens Albuquerque, **Faleh Tamimi**. Comparison of Clinical Outcomes in Partially Edentulous Patients Treated with Acrylic Resin or Chromium-Cobalt Partial Dentures, A Retrospective Study. Table Clinic Day, Faculty of Dentistry, McGill University, Feb 2012.
- 72) Veronica Neamtu, Ke Shang, Samer Abinader, Rubens Albuquerque, **Faleh Tamimi**. Comparison of Patient Satisfaction towards Acrylic Resin Dentures and Chromium-Cobalt Dentures, a Retrospective Study. Table Clinic Day, Faculty of Dentistry, McGill University, Feb 2012.
- 73) Matthew Morrison, **Faleh Tamimi**. Tori: Well known yet poorly understood. Table Clinic Day, Faculty of Dentistry, McGill University, Feb 2012.
- 74) Sebastian Thaci, **Faleh Tamimi**, Samer Abinader. Evaluation of Resistance Form of Crown Preparations Delivered to the Dental Laboratory for Crown Fabrication. Table Clinic Day, Faculty of Dentistry, McGill University, Feb 2011.
- 75) Torres J, **Tamimi F**, Alkhraisat MH, Prados-Frutos JC, Rastikerdar E, Gbureck U, Barralet JE, López-Cabarcos E. 4mm vertical bone augmentation with monetite onlay blocks on rabbit calvaria, RSBO scientific meeting, Montreal Canada, June 2010.
- 76) **Tamimi F**, Comeau P, Le Nihouannen D, Zhang YL, Bassett DC, Khalili S, Gbureck U, Tran SD, Komarova S, Barralet JE. Oxygen delivery in bone tissue engineering Symposium on Human Cell Transformation and Stem Cells, Montreal Canada, September 2010.
- 77) Stefano Del Monte, Elham Emami, **Faleh Tamimi**. Evidence-Based Esthetics of the Smile: A Systematic Review Practice, Montreal, Canada, 2014
- 78) Stefano Del Monte, Elham Emami, V Campanella, **Faleh Tamimi**. Evidence-Based Esthetics of the Smile: A Systematic Review Practice, SCAD Vita Annual Meeting Chicago, Illinois, USA, 2014 Oct 2014
- 79) Aliaa Al-Khateeb, Stefano Del Monte, **Faleh Tamimi** . Implication of Color Matching Dimensions on Tooth

Shade Preferences. SCAD Vita Annual Meeting Chicago, Illinois, USA, 2014 Oct 2014.

- 80) MN Abdallah, H Eimar, DC Basset, M Schnabel, V Nelea, MD McKee, M Cerruti, JE Barralet, **F Tamimi**. Tailoring Tooth Shade Using Magnesium Ions. SCAD Vita Annual Meeting Chicago, Illinois, USA, 2014 Oct 2014.
- 81) Afrashtehfar KI, Ahmadi M, Emami E, Yassine R, Abi-Nader S, **Tamimi F**. Knowledge Translation in Restorative Dentistry. The Network for Canadian Oral Health Research (NCOHR) Workshop "Technology Transfer & Commercialization". Faculty of Dentistry, University of Toronto. Toronto, ON, Canada, July 2015.
- 82) Afrashtehfar KI, Ahmadi M, Eimar H, Yassine R, Emami E, Abi-Nader S, **Tamimi F**. Creation of knowledge translation tool in restorative dentistry. 2014 Journées dentaires internationales du Québec. Palais des congrès de Montréal. Montreal, QC, Canada. May 2014.
- 83) Ghanem H, Afrashtehfar KI, Abi Nader S, **Tamimi F**. Potential barriers to acceptance of dental treatment therapy. 2013 Journées dentaires internationales du Québec. Palais des congrès de Montréal. Montreal, QC, Canada. May 2013.
- 84) Allen Chen Belinda Nicolau, **Faleh Tamimi**. *Association between beta-blocker use and survival of head and neck cancer patients.*, Oral Health Research Day, Faculty of Dentistry, McGill University, Montreal January 2015.
- 85) Jodeci Malixi, **Faleh Tamimi**. A Safety Checklist to Reduce Complications in Dentistry, Oral Health Research Day, Faculty of Dentistry, McGill University, Montreal January 2015
- 86) **F. Tamimi**, M Lopez, I Tamimi, E Lopez-Cabarcos. One month long controlled release of doxycycline form a brushite cement; European Society for Biomaterials; 21th European Conference on Biomaterials; Brighton, United Kingdom, September 2007
- 87) M Hamdan, **F Tamimi**, L Blanco, E Lopez-Cabarcos. Combined effect of strontium and pyrophosphate on brushite based cements. European Society for Biomaterials; 21th European Conference on Biomaterials; Brighton, United Kingdom, September 2007.
- 88) **Faleh Tamimi**, Ruggero Bettini, Francesca Ruggera, Enrique Lopez-Cabarcos. Doxycycline Controlled release from brushite cements; Controlled Release Society; 33th Annual meeting and exposition of the Controlled Release Society, 562; Viena, Austria; July 2006.
- 89) **F Tamimi**, J Mastio, L Blanco, E Lopez Cabarcos. Advantages of Using Glycolic Acid in Brushite Cement Setting Reaction. ; European Society for Biomaterials; 20th European Conference on Biomaterials; Nantes, France. September 2006.
- 90) M Hamdan, **F Tamimi** J Rubio Retama, J Blanco, E lopez Cabarcos. Evaluation of Brushite Cement Disintegration in Water; European Society for Biomaterials; 20th European Conference on Biomaterials; Nantes, France. September 2006.
- 91) M Hamdan, **F Tamimi**, L Blanco, E Lopez-Cabarcos. Effect of Carboxylic Acids on Brushite Transformation into Monetite and Hydroxyapatite; European Society for Biomaterials; 20th European Conference on Biomaterials; Nante, France. September 2006.
- 92) **F Tamimi**, J Mastio, C Rueda L Blanco, E Lopez-Cabarcos. The effect of Chondroitin 4 Sulphate on the setting reaction of brushite cements. European Society for Biomaterials: LP7; Sorrento; Italy; 2005.
- 93) **F Tamimi**, J Mastio, S Sastre-Majado, C Rueda, E Lopez-Cabarcos, A Lopez Ruiz. Using silica gel in the setting reaction of brushite cements. European Society for Biomaterials; P420; Sorrento; Italy; 2005.
- 94) **Faleh Tamimi**, Luis Blanco Jerez, Enrique Lopez Cabarcos. The effect of carboxyl groups on the setting of brushite cements. Poster; American Society for Biomaterials: p28; 2004; Philadelphia; USA.
- 95) **F Tamimi Marino**, D Gutierrez Acero, B Machado Acevedo, J Gil Gonzalez, JF Martin Morales. Study of the Platelet rich plasma in experimental models. Meeting of the Spanish society for Geriatric Dentistry, Leon, Spain, 2004.
- 96) L Blanco, **F Tamimi**, I Tresguerres. Ultrastructural study of PRP in a rabbit model. Bone 2003; Mastrich; Holanda; 2003.
- 97) C Antequera Petersen, **F Tamimi Marino**, A Nivin Colcas, L Alos Cortes, A Gonzalez Sanz. Burning mouth Syndrome in elderly patients; new therapies. VII national Conference of the Spanish Society of Oral Medicine, Madrid, 2003.
- 98) D. Gutierrez Acero, A Nivin Colcas, **F Tamimi Marino**, V Zuniga Garcia, L Alos Cortes. Getting older and the immune response; Impact on the periodontal disease. VII national Conference of the Spanish Society

of Oral Medicine, Madrid, 2003.

- 99) J Torres, **F Tamimi**, L Blanco. Ultra Structural Study of the Platelet rich plasma. VII national Conference of the Spanish Society of Oral Medicine, Madrid, 2003.
- 100) S Shang, **F Tamimi**, J Barralet. Trimagnesium phosphate cement for orthopaedic applications, Research day, Faculty of Dentistry, McGill University Montreal, Canada, 2009.

iv. Forthcoming contributions

1 book chapter, 4 articles submitted

v. Invited Speaker Lectures

- 1) "Making evidence Based Dentistry a reality" WHO, Geneva, September 2021
- 2) "Chronotherapy and inflammation" University of Texas Health Science Center at Houston, UTHealth - McGovern Medical School, Texas, USA, November 2020
- 3) "Covid-19 and Periodontitis", Artic University, Troms, Norway
- 4) "Covid-19 and Periodontitis", the Ministry of Health of Colombia, The Colombian Dental Association, Bogota, Colombia
- 5) "Osseointegration Pharmacology", Rochester, NY, USA, November 2020
- 6) "Covid-19 and Periodontitis", Special Session on Covid-19, IADR May 2021.
- 7) "CAD CAM removable partial dentures" (Keynote Speaker) European Society of Prosthodontics, September 2018, Madrid Spain.
- 8) "Bone Regeneration Biomaterials" (Keynote Speaker) American College of Prosthodontics, October, 2018, Baltimour, USA
- 9) "Biomaterials for epithelial integration" IADR London, July 2018, UK.
- 10) "Biomaterials for epithelial integration" Medical innovation meeting, University of Minnesota, Minneapolis, USA, April, 2018, Minneapolis, USA.
- 11) "2D magnesium-based gels "European Colloids and Interface Society, September 2017, Madrid Spain.
- 12) "Lunch and Learn Session on Digital Dentistry" IADR San Francisco, March 2017 USA.
- 13) Jordan Dental Association, October 2017, Amman, Jordan.
- 14) "How to make evidence based Dentistry a reality" Montreal Dental Club, November 2017, Montreal, Canada.
- 15) "Osseointegration Pharmacology" Seminar Series of the Faculty of Dentistry at the University of Montreal, November 2017, Montreal, Canada.
- 16) "Osseointegration pharmacology" University of Iowa, Seminar series of the department of periodontology
- 17) "Bone regeneration biomaterials." American college of prosthodontics, Baltimour, USA, November 2018
- 18) "Digital removable partial dentures" (Keynote speaker) European Society of Prosthodontics Madrid, Spain, September, 2018.
- 19) «Soft tissue integration : state of the art and future directions » Annual meeting of the International Association for Dental Research, London, July 2018.
- 20) "Digital Removable Partial Dentures" American College of Prosthodontics, San Diego October 2017.
- 21) "strategies to improve soft tissue integration to dental implants" Minneapolis, USA, April 2018
- 22) "Osseointegration pharmacology" ITI dental club of Alberta, Calgary, Canada, November 2017
- 23) "Tooth bleaching" (Keynote Speaker) Annual meeting of the Jordanian Dental Association, Amman Jordan, September 2017.
- 24) "Osseointegration Pharmacology" (Keynote Speaker) Annual meeting of the Jordanian Dental Association, Amman Jordan, September 2017.
- 25) « 3D printed bioresorbable bioceramics for bone regeneration » The Bioceramics meeting, Barcelona Spain, October 2017.
- 26) " Platelet rich plasma for bone regeneration" Symposium "Plaquettes sous tous les angles" Université de Montréal, Centre de recherche, Institut de Cardiologie de Montréal, May 6 2016.
- 27) "Magnesium and calcium diphosphates for bone regeneration" Annual meeting for the Korean Society for Tissue Engineering, June 8 2017, Soul, South Korea.
- 28) « Osseointegration pharmacology (drugs affecting bone healing and osseointegration)", Invited presentation, June 14, 2017, Asan Hospital, Seoul, South Korea.
- 29) "Oxygen delivery system for tissue engineering and bone regeneration", Invited presentation, June, 17, 2016, CEFO Inc. Seoul, South Korea.
- 30) "Laser-Sintered Partial Dentures" American College of Prosthodontics, San Diego, October 8, 2016
- 31) "Tooth bleaching" (Keynote Speaker) Annual Meeting of the Saudi Dental Society, Riyadh, Saudi Arabia, Jan 2016

- 32) "How to avoid problems in bone regeneration" (Keynote Speaker) Annual Meeting of the Saudi Dental Society, Riyadh, Saudi Arabia, Jan 2016
- 33) "R&D for laser-sintered dentures" Workshop on Additive Manufacturing Technologies for Dental and Medical Applications. Industry Canada, McGill University, June 2015
- 34) Cholinergic Neuroregulation of Bone. University of Western Ontario. London, Ontario, April 21st 2015.
- 35) Cholinergic Neuroregulation of Bone: Clinical, Imaging and Morphometric Evidence. Massachusetts General Hospital, Harvard Medical School, Boston, USA, March 11th 2015
- 36) Osseointegration pharmacology, (Keynote Speaker) Royal Medical Services, Amman, Jordan November 2014
- 37) Career pathways in dental academia. NCOHR Annual meeting. Edmonton, Canada, June 2014
- 38) Risk factors in maxillofacial bone regeneration. 43rd DGZI international Annual Congress, Berlin Germany October 2013.
- 39) Cholinergic regulation of bone. Universidad Complutense de Madrid, Madrid, Spain October 2013
- 40) Tooth optical properties. Universidad Complutense de Madrid, Madrid, Spain October 2013
- 41) Risk Factors in Implant Dentistry Jordan University, Amman, Jordan, December 2013
- 42) Tooth optical properties. Jordan University, Amman, Jordan, December 2013
- 43) Perfluorodecalin containing bioceramics and bone regeneration. 37th International Conference & Exposition on Advanced Ceramics & Composites. Daytona Beach, Florida, January 2013.
- 44) "Cholinergic regulation of bone remodelling" Shriner's Lab Seminar Series, Shiner's Children Hospital, May 25, 2012, Montreal Canada.
- 45) "Cholinesterase inhibitors and the risk of hip fractures" IMHA CIHR young investigator meeting, June 9 2012 Toronto, Canada.
- 46) "Oxygen delivery for bone tissue engineering" COST D43 April 2011, Madrid Spain.
- 47) "Vertical bone augmentation with 3D printed ceramics" Universidad Complutense de Madrid, April 2010, Madrid, Spain.
- 48) "Platelet Rich Plasma" Faculty of Medicine, University of Murcia, Spain, 2002.
- 49) " PRP in dentistry". Clinical Seminars of the Faculty of Dentistry. February 2011, McGill University, Montreal, Canada.
- 50) "Calcium phosphate biomaterials for bone regeneration" Universidad Complutense de Madrid April 14th 2007. Madrid Spain.
- 51) "Bone regeneration with calcium phosphates in dental implantology" Universidad Complutense de Madrid June 1st 2007. Madrid, Spain.
- 52) "Early clinical results for bone regeneration treatments with acidic calcium phosphates", November 2007, McGill University, Montreal, Canada.
- 53) "Evidence based Medicine and the use of internet in the health sciences "Jordan University, Amman, Jordan, 2002.

vi. Knowledge transfer activities

I have developed a website for knowledge transfer. The website is www.Ebknow.com and is currently used by more than 10,000 dentists a month around the world. This website has already been highlighted by prestigious journals such as the "Journal of Prosthetic Dentistry" and "Evidence Based Dentistry Journal".

vii. Appearances and releases to the media (TV, Radio and News papers)

Dr Tamimi discoveries of Dr Tamimi on the association between COVID-19 complications and periodontitis was published by over 100 news outlet from around the world including **Fox news, El Pais, the Times, CTV, ABC, CBS, RTL, the Sun, etc** . It has been shared in **tweeter over 500,000 times** and received an **altmetric index of 911, the highest ever in a dental journal**.

Dr Tamimi's discoveries on the role of chronotherapy in bone healing was highlighted by news outlets around the world including TV interviews in CTV national news <https://www.ctvnews.ca/health/could-melatonin-help-strength-bone-density-1.1841754/comments-7.520659>. This work received an **altmetric index of 184**.

Dr Tamimi's discovery on bone health had implications on public healthcare as a whole and have been widely disseminated by the public media. His discoveries on the effect of melatonin on bone health of the elderly has granted him TV (Global News) and radio interviews in Canada and abroad (<http://globalnews.ca/video/1382572/take-melatonin-for-stronger-bones/>), as well as highlights in very prestigious magazines and newspapers such as Newsweek magazine , New York Daily News, Toronto sun, etc (<http://www.newsweek.com/2014/07/11/melatonin-supplements-could-prevent-osteoarthritis-257094.html>).

Dr Tamimi's Discovery on the effect of serotonin re-uptake inhibitors on osseointegrated implants was broadcasted by Radio Canada (<http://www.rcinet.ca/en/2014/09/17/new-canadian-research-implant-failure-and-anti-depressants/>) and highlighted by The Wall Street Journal (<http://www.wsj.com/articles/typing-on-a-tablet-can-put-a-strain-on-your-shoulders-1413222761>). This study was the most-read article in 2014 from the Journal of Dental Research and is has been downloaded more than 11000 times and it was highlighted by the public media and news agencies around the world.

Dr Tamimi's discovery on the cholinergic regulation of bone were also released to the media and published in more than 10 languages around the world.

In 2016 two discoveries from my lab were released to the press: Antihypertensive improve osseointegration and success rate of dental implants <http://www.dentistrytoday.com/news/industrynews/item/812-antihypertensive-drugs-may-improve-implant-survival>

Proton pump inhibitors inhibit osseointegration and increase failure rate of dental implants <http://oasisdiscussions.ca/2016/11/11/ppis/>

viii. Highlights in the Scientific literature and by the scientific associations

- Dr Tamimi Discovery of the association between COVID-19 complications and was highlighted by scientific organizations all around the world. This included the European Federation of Periodontology, the American Association of Periodontology, and the International Association for Dental Research. This work was published by over 100 news outlet from around the world including **Fox news, El Pais, the Times, CTV, ABC, CBS, RTL, the Sun, etc** .

- Dr Tamimi Discovery of the role of chronobiology on the effect of anti-inflammatory drugs . This discovery received several awards from IADR.
- Dr Tamimi's discovery on the effect of cholinergic drugs on bone was highlighted by the **American Society for Bone and Mineral Research** (ASBMR) <http://www.asbmr.org/newsletter.aspx?nid=beb63ee7-7572-4f1c-b7fb-541ba8340b3a> and by the **Canadian Institute for Health Research** (CIHR) <http://www.cihr-irsc.gc.ca/e/45604.html> . This work was also highlighted by the journal **Nature Reviews Endocrinology**

[No authors listed]. Bone: Acetylcholinesterase inhibitors associated with decreased hip fracture risk in patients with Alzheimer disease. Nat Rev Endocrinol. 2012 Apr 24;8(6):322.

- The work of Dr Tamimi on anti-depressants and dental implants was highlighted by the **International Association for Dental Research** (IADR); and it published a press release on this discovery http://www.iadr.org/files/public/14PressRelease_SSRIs.pdf
- The discovery of Dr tamimi on the role of enamel crystallinity on the properties of the tooth was highlighted by the **Editor of Journal of Dentistry** in a special Editorial of the Journal highlighting its most important publications in the year 2012. <http://www.sciencedirect.com/science/article/pii/S0300571211003046>

7- Research Trainee supervision

While being a PhD and a Post-Doctoral student, I helped in the supervision of 9 students (2 PhD, 1 MSc, and 7 undergraduate students).

Since my appointment at McGill University, as PI I have supervised to completion **13 MSc thesis** (Eimar E, Ansari Y, Ghademi E, Al-Abdallah K, Al-Agheel O, Al-Subaie and Abdallah MN, Sisi-Fayezi A, S Alghizani, Afrashtehfar K, L. Abunada, N. Alshahrani, M. Mahri), **14 PhD thesis** (Al-Hashedi, Eimar H, X. Wu, M.N. Abdallah, A. Mansour, O. Alageel, Y. Oweis, B. Al-Mufleh, A. Al-Sheghri, H. Mousai, D Taqui, Q. Gao, F Alhamed, H Alwaeli) and **6 Post-Doctoral Fellows** (W. Jiang, A. Mezour, I Tamimi, M Laurenti, A. Daer, A. Al-Hashedi) as well as >15 undergraduate student. Currently, I am supervising 7 PhD students as PI.

Among the students that completed their training in my lab 7 are already holding a faculty positions (Abdallah MN, University of Detroit, Afrashtehfar, University of Sharjah, Wu, X, University of Oklahoma, A Cortes, University of Malta; I Tamimi, in Spain; M Lautenti in Spain, W. Jiang in China), one has become CEO of a start-up company, 7 have pursued clinical specialties in North American institutions (K Abdallah; H Eimar, Afrashtehfar K, MN Abdallah, H Al-Waeli, X. Wu, A. Al-Subaie), and 3 have pursued postdoctoral and graduate studies (A Mezour, E Ghademi, Y Ansari).

My ultimate goal in graduate supervision is to create excellent competitive professionals and future members of academia. I take pride in the work ethics, excellence, and ambition that impose on my student which is reflected in their hard work, integrity and productivity. This is obvious from the fact that my research students since my appointment at McGill have won a total **61 national and international awards** (scholarships not included; see research portfolio). Also, **16 of my students at McGill have published at least one article under my supervision, >17 have given at least one oral presentation, 30 have given at least one poster presentation, and 5 have been co-inventors in at least one patent application.** The table and list of awards underneath summarizes the scientific productivity of my graduate students.

Awards won by trainees under Dr Tamimi's Supervision

Underlined are the students that had been working under my supervision

- 1) Balqees Almufleh: CADR award, Vancouver, Canada, 2019.
- 2) Doaa Taqii Tamimi (2018). Best Poster Presentation. Canadian Connective Tissue Society, Montreal, Canada
- 3) Yara Oweis: Oral presentation at the Faculty of Dentistry, McGill University graduate students' research day April 2017. Second place award for oral presentations
- 4) Haider Al-Waeli: CADR Unilever Hatton Competitor, London, 2018.
- 5) Omar Al Ageel: CADR Unilever Hatton Competitor, South Korea, 2016.
- 6) Lina Abu Nada: Johnson Biomedical GR award- Knowledge translation Award (McGill University)
- 7) Natalie Liu, Helene Belanger, Cherry Chui, and Meghann Lussier, Montreal Dental Club Award for second best Oral presentation, Oral Health Research Day, Faculty of Dentistry, McGill University, Montreal January 2016.
- 8) Michelle Chan, Xin Zhang: First Prize CDA/DENTSPLY Award for best Oral presentation, Oral Health Research Day, Faculty of Dentistry, McGill University, Montreal January 2015. (winner will represent McGill at a research convention hosted by the Canadian Dental Association).
- 9) Allen Chen: 1st Place – Hinman Award, DMD II for his project “Association between beta-blocker use and survival of head and neck cancer patients” 2015
(Winner represent McGill University at the Hinman Student Research Symposium at the University of Tennessee).
- 10) Aliaa Alkhateeb: Society for Color and Appearance in Dentistry (SCAD) VITA Award. Chicago-Illinois, Oct 2014 – USD \$1500. SCAD Vita Research Award (Abstract & Poster Best poster at the Annual Meeting (Pre-doctoral Student Category)
- 11) MN Al-Abdallah: Faculty of Dentistry Graduate Leadership Award. McGill University, Montreal-Quebec. 2015 - CAD \$300.
- 12) MN Al-Abdallah: Society for Color and Appearance in Dentistry (SCAD) VITA Award. Chicago-Illinois, 2014 – USD \$1500.
- 13) MN Al-Abdallah: Graduate Excellence Award in Dentistry. Montreal-Quebec. 2014-2015 - CAD \$15,000.
- 14) MN Al-Abdallah: Faculty of Dentistry Studentship, McGill University, Montreal-Quebec, 2014 - 2015 - CAD \$7000.
- 15) MN Al-Abdallah: Faculty of Dentistry Graduate Leadership Award. McGill University, Montreal-Quebec, 2014 - CAD \$450.
- 16) MN Al-Abdallah: Graduate Research Enhancement and Travel Award (GREAT). Faculty of Dentistry, McGill University, Montreal-Quebec. 2014 - CAD \$500.
- 17) MN Al-Abdallah: Canadian Imperial Bank of Commerce (CIBC) Fellowship Award McGill University, Montreal-Quebec, 2013 - CAD \$2,500. (For outstanding graduate students based on academic merit)
- 18) MN Al-Abdallah: Differential fee Waiver (DFW) Award. McGill University, Montreal-Quebec, 2013-2014 - CAD \$10,900.
- 19) MN Al-Abdallah: Network for Canadian Oral Health Research (NCOHR) Travel Award to attend the 2013 Canadian Dental Research Student Workshop “Careers in Academic Dentistry”. Western University, London-Ontario, 2013 – (All expenses and fees covered)
- 20) MN Al-Abdallah: Institute Community Support (ICS) Travel Award awarded by Musculoskeletal Health and Arthritis Institute/CIHR. Canada, 2012 – CAD \$1,000.
- 21) Ashwaq Al-Hashedi: The PhD Student Travel Award for Technology Transfer and Commercialization (TTC) workshop, Network for Canadian Oral Health Research, Canada. 2015 (1000 CAD).
- 22) Ashwaq Al-Hashedi: The Student Conference Support Award, Réseau de Recherche en Santé Buccodentaire et Osseuse, Quebec, Canada. 2014-2015 (800 CAD)
- 23) Ashwaq Al-Hashedi: The Alpha Omega Research Grant, The Alpha Omega Foundation Of Canada, Ontario, Canada. 2014- 2015 (2,000 CAD).

- 24) Ashwaq Al-Hashedi: The McGill Grad Excellence Award, McGill University, Montreal, Quebec, Canada. 2014-2015 (5, 710 CAD).
- 25) Ashwaq Al-Hashedi: The McGill Grad Excellence Award, McGill University, Montreal, Quebec, Canada. 2013-2014 (10, 700 CAD).
- 26) Ashwaq Al-Hashedi: The Best Outstanding Graduate Student Fellowship Award, Canadian Imperial Bank of Commerce (CIBC). 2014-2015 (2, 500 CAD)
- 27) Ashwaq Al-Hashedi: The Student Conference Support Award, Réseau de Recherche en Santé Buccodentaire et Osseuse, Quebec, Canada. 2013-2014 (800 CAD).
- 28) Ashwaq Al-Hashedi: The PhD Student Travel Award for Canadian Dental Research Student Workshop, Network for Canadian Oral Health Research, Canada. 2014 (1, 200 CAD).
- 29) Xixi Wu: First Place Award of IADR IRG Young Investigator Price 2015. March 2015
- 30) MN Al-Abdallah: Canadian Association for Dental Research (CADR), Student Research Award competition, second place in the Senior - Clinical Research category 2015. (*Amount: 1250 CAD*).
- 31) Xixi Wu: Unilever Hatton Competitor representing Canada 2014 in the International Association for Dental Research (IADR) June 2014
- 32) Xixi Wu: award for Best Poster Presentation, 10th annual retreat of the Musculoskeletal Axis of the RSBO, Montreal 2014. (*Amount: 100 CAD*).
- 33) Yekta Ansari: Best Knowledge Translation Poster Presentation Annual research Day of the Faculty of Dentistry at McGill University. March 2014.
- 34) Khadijeh Al-Abadallah: Best Poster Presentation in Applied Sciences (RSBO research meeting) Annual meeting of The Network for Oral and Bone Health Research (RSBO) January 2014. (*Amount: 400 CAD*)
- 35) Khadijeh Al-Abadallah: Graduate Research Enhancement and Travel Award (G.R.E.A.T) Award of McGill University, to present her work at the Annual meeting of the American Association for Dental Research January 2013. (*Amount: 600 CAD*)
- 36) Xixi Wu: Canadian Association for Dental Research (CADR), Student Research Award competition, first place in the Senior - Clinical Research category 2013.
- 37) Matthew Morrison: CDA/DENTSPLY for Best Undergraduate Poster at McGill Faculty of Dentistry Annual Table Clinic event, Montreal, Canada, March 2012:– “Tori: Well known yet poorly understood”.
- 38) Matthew Morrison: CDA/DENTSPLY for Best Undergraduate Poster at the CDA/DENTSPLY Student Clinician Research Program that took place in Saskatoon, Saskatchewan, September 2012.
- 39) Hazem Eimar: Outstanding Graduate Student Award Faculty of Dentistry, McGill University, Montreal Canada 2014 (*Amount: 1,000CAD*)
- 40) Hazem Eimar: Student Travel Award. Canadian Chapter of the Controlled Release Society (CC-CRS), Vancouver, Canada, May 2013. (*Amount: 500 CAD*)
- 41) Hazem Eimar: Student Conference Support. The Network for Oral and Bone Health Research (RSBO), Montreal, Canada, May 2013. (*Amount: 800 CAD*)
- 42) Hazem Eimar: Third Prize in the oral Presentation Competition at McGill University’s Faculty of Dentistry Annual Research Day, Montreal, Canada, March 2013. (*Amount: 200 CAD*)
- 43) Hazem Eimar: Society for Color and Appearance in Dentistry (SCAD) VITA Award Chicago, USA, September 2012. (*Amount: 2,000 USD*)
- 44) Hazem Eimar: McGill University Faculty of Dentistry Graduate Leadership Award, Montreal, Canada, April 2012. (*Amount: 300 CAD*)
- 45) Hazem Eimar First Prize in the Poster Presentation Competition at McGill University’s Faculty of Dentistry Annual Research Day, Montreal, Canada, April 2012. (*Amount: 300 CAD*)
- 46) Hazem Eimar Graduate Research Enhancement and Travel Awards (G.R.E.A.T). McGill University Faculty of Dentistry, Montreal, Canada, February 2012. (*Amount: 500 CAD*)
- 47) Hazem Eimar Student Conference Support. The Network for Oral and Bone Health Research (RSBO), Montreal, Canada, June 2012. (*Amount: 800 CAD*)
- 48) Hazem Eimar Graduate Excellence Fellowship (GEF). Dr. Faleh Tamimi, Montreal, Canada, December 2011. (*Amount: 12,000 CAD*)
- 49) Hazem Eimar Graduate Excellence Fellowship (GEF). Dr. Rubens Albuquerque, Montreal, Canada, November 2011. (*Amount: 2,250 CAD*)

- 50) Hazem Eimar Poster Presentation Prize. Society of Craniofacial Genetics and Developmental Biology, Montreal, Canada, March 2011. (*Amount: 100 CAD*)
- 51) Hazem Eimar Graduate Research Enhancement and Travel Awards (G.R.E.A.T). McGill University Faculty of Dentistry, Montreal, Canada, February 2011. (*Amount: 500 CAD*)
- 52) Hazem Eimar McGill's Provost's Graduate Fellowship. McGill University Faculty of Dentistry, Montreal, Canada, June 2010. (*Amount: 1,500 CAD*)
- 53) Hazem Eimar Network for Canadian Oral Health Research (NCOHR) Travel Award to represent McGill University in the 2013 First Canadian Dental Student Workshop "Careers in Academic Dentistry". London, Ontario. June, 2013 – (All expenses and fees covered)
- 54) Mohamed Nur Abdallah: Differential fee Waiver (DFW) award, McGill University, Montreal, QC. (Deduction of CAD \$5,500 from PhD. Summer 2013 tuition fees).
- 55) Mohamed Nur Abdallah: Graduate Excellence Award in Dentistry awarded by Faculty of Dentistry, McGill University, Montreal, QC. March 2013 – CAD \$300.
- 56) Mohamed Nur Abdallah: Graduate Excellence Award in Dentistry awarded by Faculty of Dentistry, McGill University, Montreal, QC. January 2013 – CAD \$5,700.
- 57) Mohamed Nur Abdallah: Institute Community Support (ICS) Travel Award awarded by Musculoskeletal Health and Arthritis Institute, Canadian Institutes of Health Research (CIHR). November 2012 – CAD \$1,000.
- 58) Mohamed Nur Abdallah: Differential fee Waiver (DFW) award, McGill University, Montreal, QC. (Deduction of CAD \$6,200 from MSc. Summer 2012 tuition fees).
- 59) Iskandar Tamimi: Award for *the second best oral communication of the year* (among 3000 studies) in the Spanish National Congress of Traumatology and Orthopedic Surgery 2012. Communication title : « Cholinergic regulation of bone »
- 60) Feras Al-Halabi: Third Best Undergraduate Poster at Table Clinic Day, Faculty of Dentistry, McGill University, Feb 2013 "Custom poly(D,L lactide) (PDLLA) scaffolds fabricated in Plasma coated Polyether molds: Implant site" CAD \$200
- 61) Elnaz Ghadimi: Institute Community Support (ICS) Travel Award awarded by Musculoskeletal Health and Arthritis Institute, Canadian Institutes of Health Research (CIHR). November 2012 – CAD \$1,000.
- 62) Iskandar Tamimi: Award for the second best oral communication of the year in the Spanish National Congress of Traumatology and Orthopedic Surgery, 2012.
- 63) Marco Laurenti: Faculty of Dentistry Leadership award, McGill University, \$450.
- 64) Stefano Del Monte: First prize for the bets table clinic presentation at Canadian Academy for Restorative and Dentistry and Prosthodontics, Montreal, Canada. September 2014.
- 65) Kelvin Afrashtehfar: The Alpha Omega Research Grant, The Alpha Omega Foundation Of Canada, Ontario, Canada. 2014- 2015 (1,000 CAD).
- 66) Omar Al-Agheel: Excellence award: Saudi Arabian Cultural bureau, Ottawa, Canada, 2011.
- 67) Omar Al-Agheel: Excellence award: Saudi Arabian Cultural bureau, Ottawa, Canada, 2013.
- 68) Omar Al-Agheel: Excellence award: Saudi Arabian Cultural bureau, Ottawa, Canada, 2014.

Scholarships won by trainees under Dr Tamimi's Supervision

Total scholarship funding received by my students is \$1,099,584

Underlined are the students that had been working under my supervision

Post-Doctoral Fellows

- 1) Marco Laurenti: Postdoctoral Fellowship granted from the Network for Oral Bone Health Research. 2014-2015 **\$20,000**
- 2) Ashwaq AlHashedi: Postdoctoral Fellowship granted from MITACS: 2018 **\$30,000**

PhD students

- 1) Wenji Cai Fonds de Recherche Québec - Santé (FRQS)(2021-2024) **\$78,000**
- 2) Ammar Alsheghri Fonds de Recherche Québec - NT (FRQNT)(2019-22) **\$78,000**
- 3) Faez Alhamed Fonds de Recherche Québec - Santé (FRQS)(2018-21) **\$78,000**
- 4) Lina Abu Nada Fonds de Recherche Québec - Santé (FRQS)(2019-22) **\$78,000**

5) <u>Haider Alwaeli</u> Fonds de Recherche Québec - Santé (FRQS)(2016-19)	\$40,000
6) <u>Qiman Gao</u> China Scholarship Council's Scholarship (2016-2020)	\$76,800
7) <u>Qiman Gao</u> Clifford C. F. Wong Fellowship (2016-2020)	\$53,584
8) <u>Yara Oweis</u> Graduate Studentship McGill Faculty of Dentistry (2017-19)	\$8,000
9) <u>Hanan Mousa</u> Libyan Government Student Scholarship(2015-19)	\$112,000
10) <u>Balqees Almufleh</u> The Saudi Arabia Cultural Bureau in Canada (2015-19)	\$192,000
11) <u>Doaa Taqi</u> The Network for Bone and Oral Health Research RSBO(2018-19)	\$6,000
12) <u>Ashwaq Al-Hashedi</u> : The PhD Student <u>Fellowship</u> from the Islamic Development Bank, Jaddah, Saudia Arabia. 2012- 2015	\$45, 000 US.
13) <u>MN Al-Abdallah</u> : Quebec Merit Scholarship for Foreign Students (programme de bourses d'excellence pour étudiants étrangers-PBEE). (Ranked 1 st in the unrestricted doctoral category - all disciplines and universities in Quebec) Quebec, (2015-2016)	\$25,000
14) <u>Xixi Wu</u> , James Lund Fellowship in Dentistry (2015-2016)	\$20,000
15) <u>Hazem Eimar</u> The Network for Oral and Bone Health RSBO(2012-13)	\$18,000
16) <u>Hazem Eimar</u> Fonds de Recherche Québec - Santé (FRQS)(2013-15)	\$40,000
17) <u>Hazem Eimar</u> Fondation de l'Ordre des Dentistes du Quebec (2013)	\$3,000
18) <u>Hazem Eimar</u> Graduate Studentship McGill Faculty of Dentistry (2012-13)	\$8,000(Declined)
19) <u>Xixi Wu</u> , Clifford C. F. Wong Fellowship (2012-2015)	\$53,584
20) <u>Xixi Wu</u> , China Scholarship Council's Scholarship (2012-2016)	\$76,800
21) <u>Mohamed-Nur Abdallah</u> The Network for Oral and Bone Health RSBO (2013-14)	\$15000
22) <u>Omar Al-Ageel</u> : The Saudi Arabia Cultural Bureau in Canada (2014-17)	\$192,000
23) <u>Ahmed Al Subaie</u> : The Saudi Arabia Cultural Bureau in Canada (2014-17)	\$192,000

MSc students

1) <u>Nasser Al-Shahrani</u> The Saudi Arabia Cultural Bureau in Canada (2016-19)	\$192,000
2) <u>Mohamed Mahri</u> The Saudi Arabia Cultural Bureau in Canada (2016-19)	\$192,000
3) <u>Yekta Ansari</u> , CIHR MSc scholarship (2014-15)	\$36,000
4) <u>Hazem Eimar</u> : Graduate Studentship McGill Faculty of Dentistry (2011-12)	\$5,000
5) <u>Suliman M K Algezani</u> : Libyan Government Student Scholarship(2013-15)	\$56,000
6) <u>Ahmed Al Subaie</u> : The Saudi Arabia Cultural Bureau in Canada (2013-15)	\$128,000
7) <u>Omar Al-Ageel</u> : The Saudi Arabia Cultural Bureau in Canada (2011-13)	\$128,000
8) <u>Kelvin I. Afrashtehfar</u> : Quebec Government bursary(2012-14)	\$7,200
9) <u>Kelvin I. Afrashtehfar</u> : The Network for Oral and Bone Health Research(RSBO) (2014-15)	\$12,000

Summer students

1) <u>Nabila Zuberi</u> , Natural Science and Engineering Council(2019)	\$4500
2) <u>Basel Al-Mukatsh</u> Natural Science and Engineering Council(2018)	\$4500
3) <u>Matthew Fagen</u> Faculty of Dentistry Summer scholarships (2016)	\$2000
4) <u>Nichole Shen</u> Faculty of Dentistry Summer scholarships (2018)	\$2000
5) <u>Stamatis Kouniaris</u> Faculty of Dentistry Summer scholarships (2017)	\$4000
6) <u>Ryan Siciliano</u> CIHR /Faculty of Dentistry Summer scholarships (2015)	\$2000
7) <u>Jodeci Malixi</u> CIHR /Faculty of Dentistry Summer scholarships (2014)	\$2000
8) <u>Ke Shang</u> : CIHR /Faculty of Dentistry Summer scholarships (2010)	\$2000
9) <u>Ke Shang</u> : CIHR /Faculty of Dentistry Summer scholarships (2011)	\$2000
10) <u>Mohamed Youssef</u> : CIHR /Faculty of Dentistry Summer scholarships (2012)	\$2000
11) <u>Emad Rastikerdar</u> : CIHR /Faculty of Dentistry Summer scholarships (2010)	\$2000
12) <u>Emad Rastikerdar</u> : CIHR /Faculty of Dentistry Summer scholarships (2012)	\$2000

Visiting students

1) <u>Arthur RG Cortes</u> : National Council for Scientific and Technological Development (CNPq - Brazil)	
2) <u>Stefano Del Monte</u> : Tesi all'estero" from Italian government,	\$2000

3) Mark Subhi-Akel: University Claude Bernard Lyon 1

4) Stylianos O. Sarrigiannidis, University of Glasgow

4

8- Leadership and Stewardship of initiatives

Dr Tamimi has served in 4 Faculty committees concerning undergraduate students: the **Student Promotions Committee**, the **Admission Interviewing Committees**, **The division of Biomedical Sciences Executive Committee**, and the **Faculty Initiative for Clinician/Researcher interaction**. Regarding graduate student affairs, Dr Tamimi has served in **10 PhD oral defense committees, and 3 supervisory committees**.

Outside the University, Dr. Tamimi has served on **2 CIHR review committees (Undergraduate: Mobility, musculoskeletal health & arthritis – IMHA, and China-Canada Joint Health Research Initiative)**, and as an *ad hoc* grant reviewer for **CIHR, NSERC, Hong Kong Innovation and Technology Support Program, and The Netherlands Organization for Scientific Research NWO Vidi program**, and leading journals such as **Nature Communications, Annals of Internal Medicine, and Biomaterials**, and reviewing for one or more times for **another 24** journals in total.

Dr Tamimi currently serves as **executive member of the Network for Oral and Bone Health Research (RSBO)**, a network of seventy researchers working in the province of Quebec interested in issues related to oral- and bone-related health. He also serves in the executive committee of the **Canadian Dental Research Association (CADR)**, the largest and more important dental research organization in Canada, a subsidiary of the International Association for Dental Research (IADR).

Dr Tamimi has actively engaged the media in order to release to the public the findings of his laboratory and the international visibility of McGill University, this include appearances in **TV interviews (Global News, CTV, Aljazeera), Radio interviews (Radio Canada)** and international newspapers (**The Wall Street Journal, New York Daylily News, Newsweek Magazine, The Times, El Pais**).

International leadership

Editorial Board of Journal of Prosthodontics

In 2018 I joined as Associate Editor the Editorial Board of Journal of Prosthodontics, the official journal of the American College of Prosthodontics

WHO special task force for tele-dentistry and e-Health

I was invited to be part of the World Health Organization (WHO) Special Task Force for Tele-Dentistry and e-Health on 2018. In this working group we were assigned with the preparation of the WHO guidelines for governments across the world on the implementation of e-Health. This work was finally published by the WHO in September 2021

Academy of Osseointegration (AO) task force on the challenges of Implant Dentistry

Due to my unique expertise in the field of osseointegration pharmacology, in 2018 I was invited to be part of the group of experts of the AO assigned with the preparation of the guidelines for dental implantology for patients with systemic conditions.

Scientific Committee of international meetings

I have served in the scientific committee for the annual meetings of 2 prestigious organizations: **IADR, and Bioceramics**.

International inter-university collaborations

Dr Tamimi is also actively working towards refreshing and implementing a comprehensive internationalization of McGill University through the development of links with Universities in other countries. Dr Tamimi has arranged for a “memorandum of understating” between the Faculty of Dentistry at McGill University and the Jordan University in Amman Jordan. This was done by organizing a series of meetings between McGill officials and Professor K Tarawneh, the President of Jordan University (Amman, Jordan).

Membership of scientific societies

Dr Tamimi is a current or past member of the following international scientific societies: International Association of Dental Research; Controlled Release Society; Canadian Chapter of the Controlled Release Society; Society for Biomaterials; Canadian Society for biomaterials. Material Research Society; American Association for Dental Research.

Hosting Visiting scholars

In order to extend the international visibility of McGill, Dr Tamimi has actively sought to receive and sponsor visiting and sabbatical scholars to aid their training. So far Dr Tamimi has hosted 11 visiting scholars:

Dr. Adriana Ucar is an Associate professor at Universidad de los Andes, Venezuela. She stayed at Dr Tamimi’s laboratory for a visit of 3 months. During this period she was introduced to the academic staff involved in the DMD and postgraduate programs at McGill, and she was involved in a research project with Dr Tamimi.

Dr Moad Al-Momani is a certified senior prosthodontics from the Jordan Armed Forces with the military rank of Captain. He worked in Dr Tamimi’s laboratory for a period of 1 year (November 2012-November 2013). During his training at McGill he was introduced to the academic staff involved in the DMD and postgraduate programs at McGill, and he was involved in a research project with Dr Tamimi, and he assisted Dr Tamimi, Dr Albuquerque and Dr Abi-Nader in the preclinical laboratory session in the courses of DENT204 and DENT 320.

Dr Tbeshat is a certified senior orthodontics from the Jordan Armed Forces with the military rank of Colonel. She worked at Dr Tamimi’s laboratory for a period of 1 year (August 2014-August 2015). During her training at McGill was introduced to the academic staff involved in the DMD and postgraduate programs at McGill, and she was involved in a research project with Dr Tamimi, and she assisted Dr Tamimi and Dr Retrouvey in the preclinical laboratory session in the courses of DENT204.

Dr Zahi Badran is an Associate Professor and former Associate Dean for Academic Affairs at the Faculty of Dentistry of the University of Nantes (France). He worked at Dr Tamimi’s laboratory for a period of 1 year (2016-2017). We completed a research project on platelet rich plasma and peri-implantitis.

Dr Ammar Daer, Professor, University of Sanaa (Yemen). He worked at Dr Tamimi’s laboratory for a period of 1 year (2018-2019). We completed a research project on evidence based dentistry.

Dr Rania Rodan, Royal Medical Services of the Jordanian Armed Forces. She worked at Dr Tamimi’s laboratory for a period of 1 year (2018-2019). We completed a research project on evidence based dentistry.

Dr Wang Min, Assistant Professor, Nanchang University, Nanchang, China. She worked at Dr Tamimi’s laboratory for a period of 1 year (2019-2020). She worked with Dr Tamimi on a research project on the prevention of peri-implantitis.

Dr Alaa Ershidat, Royal Medical Services of the Jordanian Armed Forces. He worked at Dr Tamimi’s laboratory for a period of 1 year (2016-2017). He participated on project on bone regeneration.

Amir Al-hadad, Assistant Professor, University of Mansoura, Mansoura, Egypt. He worked at Dr Tamimi’s laboratory for a period of 1 year (2017-2018). He participated on project on biomaterials research.

Dr Ahmed Jamleh Associate Professor, King Saud bin Abdulaziz University for Health Sciences, Riyadh, Saudi Arabia. He worked at Dr Tamimi's laboratory for a period of 3 months (2017). He participated on project on MicroCt Analysis of Endodontically treated teeth.

Dr. Amjad Al Warawa, Royal Medical Services of the Jordanian Armed Forces. He worked at Dr Tamimi's laboratory for a period of 1 month (2017). He participated on project on Designing Clinical Trials for rapid orthodontic tooth movement

Dr Sailer Santos, University of Santa Maria, Faculty of Chemistry, Brazil. With Dr Santos we worked on the development of 2D materials based on magnesium phosphates for 1 year. (2019-2020)

Dr Maxime Ducret, University Claude Bernard Lyon 1, Faculty of Dentistry, France. With Dr Maxime we worked in a wide range of projects including the use of artificial intelligence in dental applications for 1 year. (2019-2020)

Organization of conferences and Symposia

-The Annual Research Day of the Quebec Network for Bone and Oral Health Research, RSBO, Montreal, Canada, June 2019 (Chair of the meeting)

-The Annual Research Day of the Quebec Network for Bone and Oral Health Research, RSBO, Montreal, June 2018 (Chair of the meeting)

-Symposium on 3D printing in medicine at the international meeting Association Francophone Pour Le Savoir (ACFAS), Montreal, Canada, May 2017. The ACFAS meeting has an attendance each year of over 5000 participants. (*Chair of the Symposium*)

-International Seminar: New Horizons in biomaterials and dental implantology. Universidad Complutense, Madrid, Spain June 2007. (*Secretary of the meeting*).

Hosting speakers

Dr Tamimi has hosted and sponsored multiple speakers that presented their research work in McGill University Faculty of Dentistry Seminar series:

- Dr Marc McKee (Faculty of Dentistry, McGill University)
- Dr JAF Treguerres, member of the Spanish Royal Academy of Medicine (Universidad Complutense de Madrid, Spain)
- Dr. Mariano Sanz (Universidad Complutense de Madrid, Spain)
- Dr. Eduardo Anitua (BIT, Spain)
- Dr. Alvaro Mata (Department of Bioengineering, Queen Mary University)
- Dr. Conrado Aparicio (University of Minnesota)
- Dr. Reginaldo Gonvales (University of Laval)
- Dr. Diego Mantovani (University of Laval)
- Dr. Jian Tang (Montreal Institute for Learning Algorithms; MILA)
- Dr. Javier Vargas (Department of Anatomy, McGill University).
- Mr Renjie Butalid, the Associate Director of the Dobson Center for Entrepreneurship (Dessautel Faculty of Management, McGill University).

National Administrative roles

Dr Tamimi is an executive member of the 3 of the most influential and important dental research organizations in Canada, the RSBO , the NCOHR, the CADR.

Co-Director of the RSBO

The RSBO is the Quebec network for Oral Health and Bone Research. This network includes over 100 university professors and close to 200 students from across the Canadian Province of Quebec. As co-Director of this network since 2017, Dr Tamimi oversees a wide range of activities including administrating research fund competitions , scholarships for students, scientific evets and knowledge dissemination activities, and increasing interaction and collaboration between researchers in Quebec.

Member of the Executive committee of the RSBO

Dr Tamimi is strengthening local and regional connections helping build relationships with research initiatives through his position as executive member of the scientific board and axis coordinator for technological development in the FRQS-funded Quebec Network “Reseau de Recherche en Sante Buccodentaire et Osseuse” (RSBO). His position in this organization is oriented towards promoting entrepreneurship, develop community engagement and to foster networking and collaborations between researchers across Universities in Quebec.

In May 2013 Dr Tamimi was selected as executive member of the RSBO network as representative of McGill University. As executive member of the network he has to attend regular meetings in which all issues concerning the function of the network are discussed. So far he has attended 12 hours of meetings in which scholarships, grants, budget and strategy of the network are decided.

Member of the Executive committee of the CADR

In 2015, Dr Tamimi was selected to become **Councillor at Large** of the **Canadian Association for Dental Research**. This is the largest and most important association for dental research in Canada, and it is a subsidiary of the International Association of dental Research. Dr Tamimi attends regularly the executive committees of the Association in which important decisions are taken on the budget and future direction of the organization.

Member of the steering committee of NHCOR

In 2016 I joined the steering committee. I participated in the meeting for the organization in November in Toronto in which I presented several ideas for increasing the interaction of researches of the network

CDA special task force for the future of the dental profession

I was invited to be part of the Canadian Dental Association (CDA) Special taskforce on the future of the dental profession (2017-2018). I was assigned to the working group on new technologies in which we produced and published an “expert report” to help guide the future strategies of the CDA.

University Leadership:**Acting Dean (College of Dental Medicine, Qatar University)(2020)**

The College of Dental Medicine of Qatar University was established in September 2018, and Dr Tamimi was the first faculty recruited to lead the college. During his tenure as first Dean of the College of Dental Medicine, Dr Tamimi oversaw the recruitment of staff, the setting up of the curriculum, the establishment of the school facilities the setting up of the faculty standing committees, the setting up of the faculty policies, and the setting up of the faculty research program. During his tenure as acting Dean, the faculty recruited 10 professors, published 24 scientific articles obtained its first ever research grant and started the construction of the new state of the art preclinical laboratories. All these accomplishments were achieved despite the disruption caused by the COVID-19 pandemic.

Associate Dean of Academic Affairs(2021-present)

In 2021 Dr Tamimi Assume the position of Associate Dean for Academic Affairs at Qatar University College of dental Medicine. In this role Dr Tamimi oversaw the establishment of the entire curriculum of the college. Dr Tamimi has used this opportunity to create one of the most forward thinking and advanced dental curricula in the world creating problem based learning integrated courses in which dental students learn basic and applied subjects simultaneously in an integrated manner that helps them create the connections between theory and application. In addition, the entire curriculum has been geared towards digital technologies. We must acknowledge that digital technologies are revolutionizing the field of dentistry at an unprecedented pace and many procedures that have been taught for decades in dental schools are becoming obsolete overnight. Unfortunately, dental schools are too often neglecting the digital transformation and they fail to prepare their studies for the digital technologies that are now common in clinical practice. For this reason, the dental curriculum that developed by Dr Tamimi alongside his team in Qatar University puts great emphasis on the use of digital technologies right from the beginning. Students are introduced to digital technologies in their first day in the pre-clinical labs with the ideal of making them digitally natives. Some examples is the use of intra oral scanners, CAD CAM and 3D printing that are replacing traditional impression taking and the preparation of indirect restorations.

Associate Dean of Research and Graduate students, McGill University, Faculty of Dentistry (2018-2020)

During his tenure as Associate Dean for Research at McGill University, Dr Tamimi set up several initiatives designed to optimize resources and cohesion, improve the quality and quantity of scientific output, increase the number of graduate students and increase research funding in the faculty.

To optimize cohesion and resources Dr Tamimi set up the faculty PI Forum, a monthly forum in which PIs can bring forward and discuss any issues related to research. This structure has helped democratize decision making in the faculty and improve scientific production. In addition, Dr Tamimi help setup internal grant review systems to increase the success rate of young PIs. The number of publications and grants increased as a result of these and other initiatives. Also, during his tenure the PhD program of the Faculty of Dentistry was approved, and Dr Tamimi setup the entry scholarships for students enrolling the graduate research programs, as a result of these initiatives the faculty experience a substantial increase in the number of MSc and PhD students. Also, Dr Tamimi spearheaded translational research activities such as internal grant competitions designed to increase collaboration between the clinicians and the researchers in the faculty.

*University committees*McGill University

Since his appointment at McGill, Dr Tamimi has extended his university administrative service at different levels involving teaching and research activities inside and outside of the University. Dr Tamimi began his administrative duties soon after his initial appointment in 2010. His interest in increasing the national and international visibility of McGill University, as well his eagerness to help improve his Faculty at all levels (graduate and undergraduate) is reflected in the activities that he has sought or has been offered.

Steering Committee of the Allan Edwards Center for Pain Research of McGill University

I am an ad-hoc member of this committee, which oversees the expenditure of the budget and the allocation of Research Awards within this cutting de Research center at McGill University.

University tenure committee of McGill University

I joined the University Tenure Committee in 2018, and ever since I have been involved in evaluating the tenure dossiers of professors at McGill University applying for tenure. So far, I have evaluated the dossiers of 3 professors.

Research Advisory Council of McGill University

This is a committee that includes all the Associate Deans for Research at McGill University and it is Chaired by the University Vice-Principle. This committee meets every 1-2 months, and it oversees all aspects related to research policy and strategy across the university.

Standing Committee of Research (SCoR)

This is a committee that includes all the research directors of all the hospitals and centers of the faculty of medicine at McGill University and it is Chaired by the Vice-Dean Research of the Faculty of Medicine. This committee meets every 3-4 months, and it oversees all aspects related to research policy and strategy across the Healthcare Departments of the University.

Graduate Advisory Committee (GAC)

This is a committee that includes all the Associate Deans for Graduate Studies at McGill University and it is Chaired by the Dean of Graduate Studies. This committee meets every 1-2 months, and it oversees all aspects related to graduate studies policy and strategy across the university.

Qatar University**Vice president for Academic affairs committee**

This committee discusses the strategies of the university regarding the academic activities

President of the University committee

This committee is chaired by the president of the university and it discusses the strategies of the university as a whole

*Faculty committees*McGill University**New Hiring Search committee, Faculty of Dentistry, McGill University**

In 2018-2019 I have been part of 3 hiring search committees for Tenure-track Professors and I have chaired 2 of those committees. One of these committees involved the hiring of a Canada Research Chair.

Graduate Research Awards Committee, Faculty of Dentistry, McGill University

Since 2019, I Chair this committee, which oversees all the awards and scholarships given to graduate and research students by the Faculty of Dentistry of McGill University.

Graduate Studies and Research Committee, Faculty of Dentistry, McGill University

Since 2019, I Chair this committee, which oversees all research activities of the faculty as well the graduate studies.

Executive Committee, Faculty of Dentistry, McGill University

I joined this committee in 2018. This committee oversees all major decisions taken by the Faculty of Dentistry.

Leadership Committee, Faculty of Dentistry, McGill University

I joined this committee in 2018. This committee oversees all major strategies taken by the Faculty of Dentistry

Faculty of Dentistry Promotions committees

Dr Tamimi has been serving as member of the Faculty Student's Promotion Committee as representative of the Division of Restorative Dentistry for 2 years. During the two years Dr Tamimi has served in this committee he has participated in all of the 6 yearly regular meetings. In these meetings the progress of all the students in the program is discussed and actions towards students with problems are decided. Dr Tamimi provides important input regarding the 3rd year students because he is the director of the largest theoretical course in 3rd year (DENT320), and he personally supervises all 3rd year students at an individual level in the clinic.

Division of Biomedical Sciences Executive Committee

Dr Tamimi is member of the executive committee of the division of Biomedical Sciences at the Faculty of Dentistry of McGill University. In this committee Dr Tamimi has had an active role in starting a seminar series for the students in which they discuss topics of particular interest for the students in the division. Also Dr Tamimi provided feedback in the development the website of the unit.

Faculty initiative to increase interactions between clinicians and scientists

Dr Tamimi and Dr Svetlana Komarova are part of faculty initiative to increase the interaction between clinicians and researchers in the faculty. Our faculty, just as any other faculty of dentistry in North America includes a large number of academic members that are researchers, and an even larger number of clinical instructors. Traditionally there has been very little interaction between the clinicians and research members of the Faculty. For this reason Dr Komarova and Dr Tamimi have started to work together to develop strategies to increase this interaction.

Our work has focused on increasing research collaboration between researchers and clinicians, and creating a sibling program in which research graduate students help supervise clinical DMD students in their research projects.

This strategy has been capitalized within one of the courses in our curriculum, the introduction to research DENT225, starting on the winter term of 2015. In this course Dr Tamimi organized 2 seminars in which multidisciplinary research teams were created. Each team included a group of DMD students, a graduate student (big sib) a researcher (PI) and a clinician (clinical instructor). The objective of these teams is to develop translational and multidisciplinary research projects that will increase the interaction between clinicians and researchers in the faculty, and it will also serve to help the DMD students complete their research requirements in the DENT225 course.

Admission interview committees

Dr Tamimi has served for 2 years in the admission interview committees. These committees are composed of 3 members, a clinician, a 4th year dental student and a researcher (Dr Tamimi has served both as clinician and as researcher). In these committees Dr Tamimi interviews 8 students every year and provides a report on each one of them. Based on the recommendations made during the interview process, the Admissions Committee decides what students will be admitted to the program.

Since 2016 Dr Tamimi is a full member of he Faculty Admission Committee.

Graduate student committees

Since his appointment at McGill, Dr Tamimi has served in a total of 10 committees of graduate students. Dr Tamimi has served in 3 oral defense committees as Pro-Dean, and in 4 as examiner, he also served in 2 PhD and in one MSc supervisory committees.

Qatar University**Student Promotion Committee (chair)**

Dr Tamimi set up this committee in order to oversee the progress of students in the program. Dr Tamim chaired this committee for 1 year before it was passed over to another professor

Curriculum committee (chair)

Dr Tamimi created this committee during his tenure as Acting Dean and he has been chairing it since its inception. This committee is currently overseeing the creation of the entire curriculum of the dental program

Faculty Leadership committee(member)

This committee oversees the overall strategies of the College

Recruitment committee

This committee is involved in the recruitment of new faculty. Dr Tamimi set up this committee and he chaired it until 2021.

Ad-Hoc committees

Pro Dean

Dr Tamimi has Chair as pro-Dean in 5 PhD Oral examinations:

- The PhD thesis Dr Chiara Elia Ghezzi in December 4th 2012, In the Department of Mining and Materials Engineering. McGill University
- The thesis of Dr Trishikhi Raychoudhury in September 28th 2011 in the department of Civil Engineering. McGill University
- The thesis of Simon Belanger in December 16th 2012 at the Department of Microbiology and Immunology. McGill University
- PhD Defence of Muhammad Mian, July 3rd 2015 at the Lady Davis Institute, McGill University.
- PhD Defence of Jeremy DuPaul-Chicoine, July 9th 2015 at the Goodman Cancer Center, McGill University.

PhD Oral Defense examiner

Dr Tamimi has served in the PhD Oral Defense Committee of:

- David Basset, Faculty of Dentistry, McGill University
- Khady Ka, Faculty of Dentistry, McGill University
- Maria Salwa, Faculty of Dentistry, McGill University
- Chan Gao, Faculty of Medicine, McGill University
- Shuai Wang, Faculty of Dentistry, McGill University
- Dongdong Fang, Faculty of Dentistry, McGill University
- Akhil Soman Thekke Purakkal, Faculty of Dentistry, McGill University
- Nicholas Fischer, Faculty of Dentistry, University of Minnesota.
- Ana Viniegra, Faculty of Dentistry, University of Toronto
- Jonana Konka, Polytechnic University of Catalunya, Spain

PhD Committee member

Dr Tamimi has served in the PhD follow up committee and attended the PhD comprehensive exam of:

- Cui Cui,
- Jagjit Singh Dhaliwal.
- Aren Bezdjian

MSc Committee member

Dr Tamimi has served in the MSc follow up committee of:

- Mrs Sharifa Alebrahim.
- David Melancon

Scientific Peer review

Dr Tamimi has served as member and reviewer for 5 Grant agencies, CIHR, NSERC, RSBO, the Netherlands Organization for Scientific Research (NWO), and the Hong-Kong Innovation and Technology Support Program (ITSP).

Member of Review panel:

- Member of the CIHR College of Reviewers (2021- present)
- CIHR operating grant Panel for Biomedical Research

I was invited to join this review panel in 2019.

- CIHR China –Canada Joint Health Research Initiative Grant program E Committee

Dr Tamimi has served as member review committee for the Canadian Institute of Health Research (CIHR) within the program: CIHR China –Canada Joint Health Research Initiative Grant program E Committee, in 2012 and he had to review 8 grants.

- Mobility, musculoskeletal health & arthritis - IMHA committee

Member of the Undergraduate: Mobility, musculoskeletal health & arthritis - IMHA committee: In this committee He had to review 8 scholarship applications of students applying for summer research appointments.

External reviewer:

Dr Tamimi has served as external reviewer for the following agencies:

- PRELUDIUM Invitation to review grant proposal for the National Science Center, Poland
- French National Research Agency (ANR) 2019 generic call CE19, France.
- Swiss National Science Foundation, Switzerland
- CIHR China –Canada Joint Health Research Initiative Grant program E Committee:

In 2011 Dr Tamimi was requested by the CIHR China –Canada Joint Health Research Initiative Grant program E Committee to serve as external reviewer for a grant application.

- NSERC-Discovery

Dr Tamimi has served as external reviewer for the NSERC-Discovery program in 2012, 2013 and 2016. During the years Dr Tamimi has served as external reviewer for NSERC Dr Tamimi has reviewed a total of 6 grants for the agency.

- NSERC I2I

I have served as reviewer for the NSERC-I2I program in 2015. I reviewed one grant of this program. This grants program funds projects involving development of products for commercial application.

- Innovation and Technology Support Programme, Government of Hong Kong

In 2012 Dr Tamimi was invited to serve as external reviewer for the Innovation and Technology Support Programme, Government of Hong Kong. This is the most important government agency that provides researchers with funds in Hong Kong. He has reviewed one grant for this agency so far.

- Netherlands Organization for Scientific Research (NOW)

In 2013 Dr Tamimi was invited to serve as external reviewer for the Netherlands Organization for Scientific Research (NOW) Vidi program. This is the most important government agency that provides researchers with funds in Holland. The Vidi program is the most prestigious program in Holland for mid-career researchers. Dr Tamimi has reviewed one grant for this agency so far.

- Network for Oral and Bone Health Research (RSBO)

Dr Tamimi served as reviewer for the Knowledge Translation Program of the RSBO in 2014. He reviewed a total of 3 grant applications for this program.

- University Alberta Faculty of Medicine Geoffrey and Robyn Sperber Craniofacial Biology Research Fund
- University Sharjah internal grant competitions

Dr Tamimi reviewed a grant for the internal grant competition of the university of Sharja (UAE) in 2020

Peer review – Manuscripts**Associate Editor:****Journal of Prosthodontics (2018-present)**

Dr Tamimi is Associate Editor of the journal since 2018

Dr Tamimi has reviewed over 50 articles from the following peer-reviewed journals

Annals of Internal Medicine

Nature Communications

Journal of Dental Research

Plos One

Tissue Engineering A

Acta Biomaterialia

Biomaterials

Journal of Biomedical Material Research Part A

Irish Veterinary Journal

International Immunopharmacology

Langmuir

Journal of Musculoskeletal and Neuronal Interactions

Journal of Tissue Engineering and Regenerative Medicine

Surgical and Radiologic Anatomy and histology

Biological Trace Element Research

International Journal of Nanomedicine

Materials in Science Materials in Medicine

Medicine

Advanced Materials

Journal of Biomedical Material Research Part B

Journal of Periodontology

Journal of the American Ceramic Society

Geriodontology

Journal of Biomaterials and Tissue Engineering;

Journal of Tissue Engineering and Regenerative Medicine;

Surgical and Radiologic Anatomy

Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology

Judge in conferences

Dr Tamimi has served as judge for students' awards for poster and oral student presentations in several conferences including:

- Research Day of the Faculty of Dentistry, McGill University, Montreal, 2010
- Research Day of the Faculty of Dentistry, McGill University, Montreal, 2011
- Research Day of the Faculty of Dentistry, McGill University, Montreal, 2012
- The Table clinic day of the Faculty of Dentistry, McGill University, Montreal, 2014
- The Table clinic day of the Faculty of Dentistry, McGill University, Montreal, 2013
- The Table clinic day of the Faculty of Dentistry, McGill University, Montreal, 2012
- The Table clinic day of the Faculty of Dentistry, McGill University, Montreal, 2011
- The Canadian Connective tissue society Montreal, May 2013
- The Annual Meeting of the RSBO, Montreal, Quebec, October 2014
- The Annual Meeting of the RSBO, Montreal, Quebec, October 2012

Scientific committee of international conferences

-Dr Tamimi served as member of the scientific committee of the international conference Biocremics26 held in Barcelona in 2014

-Dr Tamimi served as abstract reviewer for the AADR/CADR annual meeting held in Los Angeles, CA, in 2016

-Dr Tamimi served as abstract reviewer for the IADR annual meeting held in Seoul, South Korea, in 2016

-Dr Tamimi served as abstract reviewer for the IADR annual meeting held in San Francisco, CA, in 2017

Industrial partnerships

As Co-Director of the RSBO and Associate Dena of Research and Graduate Studies at McGill I have worked towards increasing the interaction between our research community and the international and Canadian biomedical industry. A proof of this are the contracts I have secured with P&G as well as 3 Canadian companies: 3DRPD Inc., MIT Canada Inc. and Visionnaturolab Inc. With 3DRPD I have already completed 2 research projects (A clinical trial through a research contract, and an NSERC-Engage project) and I have secured an additional NSERC-CRD grant for industrial partnership. With MIT Canada Inc., I have submitted an NSERC-Engage grant that is under review, and with Visionnaturolab Inc. I have submitted a Mitacs Accelerate grant that is also under review.

In addition to these collaborations with the industry, as executive member of the network of academic researchers RSBO, I have catalyzed the partnership between the network and the local industries by introducing the CEO the Quebec biomed company Biomomentum Inc., Dr Martin Garon, into the advisory board of the network.

Industry collaborations

Dr Tamimi has been able to attract funding from Canadian and international for developing biomedical devices and treatments, below is the list of companies with whom Dr Tamimi has collaborated through research contracts and grants:

- **Procter and Gamble Inc.**, Columbus, USA: collaboration through research contract (2018)
- **Visionaturalab Inc**, Montreal, Canada: Collaboration through MITACS research grant, and MEDTEQ research grant (2017-2019)
- **TheobjectsInc**, Montreal, Canada: Collaboration through NSERC- Engage research grant (2018)
- **MIT-Canada Inc**, Montreal, Canada: Collaboration through NSERC- Engage research grant (2016)
- **Cam-Cube Inc.** Montreal, Canada: Collaboration through NSERC- Engage research grant (2017)
- **3DRPD Inc.** Montreal, Canada: Collaboration through NSERC- Engage research grant, research contract, and NSERC-CRD grant (2012-2018)

Setting up Start-up companies:

- **EBHnow Inc.** Montreal, Canada: Co- founder (2017-)
- **Invicare Inc.** Montreal, Canada: Co-founder (2017-)
- **AzurreBio S.L.** Madrid, Spain: Scientific advisor (2007-2008).

Leading role in multidisciplinary research projects

The multidisciplinary training of Dr Tamimi has allowed him to orchestrate as PI a series of very productive multidisciplinary projects involving clinicians and basic scientists from a wide range of backgrounds. He has established strong collaborations with a large portion of the Faculty of Dentistry, as well as with Professors from the Faculty of Engineering. So far, Dr Tamimi has led collaborations that had resulted in funded grants and published papers with numerous professors of the Faculty of Dentistry at McGill University i.e.: Dr Marc McKee, Dr Jake Barralet, Dr Simon Tran, Dr Svetlana Komarova, Dr Monzur Murshed, Dr Jocelyne Feine, Dr Belinda Nicolau, Dr Rubens Albuquerque and Dr Hojatollah Vali. Dr Tamimi has also led collaborations that have resulted in successful publications and grants with staff from the Faculty of Engineering such as Dr Showan Nazhat, Dr Jun Song, and Dr Marta Cerruti. Moreover Dr Tamimi has developed international collaborations with biologists (i.e. Dr Le Nihuanen in France) clinicians (i.e. Dr Torres in Spain) and engineers (i.e. Dr Gbureck in Germany) abroad working in the same research domain.

9- Knowledge and experience in Techniques and Equipment:

- Machine learning
- Proteomics
- X-ray Diffraction
- Spectrophotometry
- Differential Scanning Calorimetric
- Transmission Electron Microscopy (TEM)
- Scanning Electron Microscopy (SEM)
- Fluorescence Spectrophotometer
- Oswald Viscosimeter for liquids
- Surface Tension Goniometry
- Tablet Hardens measuring for diametric tensile strength
- Instron like device for measuring the compressive strength
- Circular Dichroism Spectropolarimeter.
- Raman Spectroscopy
- FTIR Infrared Spectroscopy
- Fluorescence spectroscopy
- Light Scattering
- Zeta Potential.
- Micro Elemental Analysis
- TGA thermogravimetry
- Karl-Fischer.
- Super critical fluid sterilization techniques
- Mechanical testing
- Vicat needle for cement setting time
- Helium pycnometer
- Bone Histology
- X-ray computerized microtomography (Micro CT)
- BET surface area analysis by nitrogen adsorption.
- Experimental orthopaedic and craniofacial surgery

10-Spoken languages:

- Spanish native speaker
- English high level
- Arabic high level
- Italian medium level
- Russian basic level
- French basic level

11-Computer skills:*Operating systems:*

- MS-DOS (high level)
- Windows (high level)
- Linux (basic level)

Programming Languages:

- Pascal
- Q-BASIC
- Visual Basic
- PHP
- Javascript

User level programs:

- Office (Power Point, Excell, Word)
- Origin
- Photoshop
- SPSS
- ImageJ
- Weka

12-Career Interruptions and Special Circumstances

Underneath I explain a series of career interruptions and delays that have affected my record of research achievements

Career interruptions

- *2003-2001 Clinical Master degree in Geriatric Dentistry, University Complutense of Madrid:*
During this period of time I was resident in a clinical training program that involved no research. This training was very important for me to become a better clinician, but it did not allow me to develop my research career at the time.
- *January 2004- June 2004 License Exam:*
During a period of 6 months in the academic year 2003-2004 I was fully dedicated to prepare the license exams to become a dentist in Spain. During this period of time I was studying full time the entire curriculum of the DDS degree in Spain. I took a leave of absence to do this. Even though studying and [passing this exams increased my knowledge on medicine pathology dentistry and biochemistry, during this period of 6 months I wasn't able performed my research, and my research career experienced a delay.
- *2007-2006 Clinical Master degree in Implant-Prosthodontics, University Complutense of Madrid:*
During this period of time I was resident in a clinical training program that involved no research. This training was very important for me becoming a better clinician but it did not allow me to develop my research career at the time.
- *January 2010-February 2010: Birth of my son:*
My first son was born and I had to take a one month parental leave to take care of my wife and my son.
- *March 2015: Birth of my daughter:*
My first son was born and I had to take a one week parental leave to take care of my wife and my son.
- *December 2018-March-2019; medical sick leave*

Special circumstances

- *January 2010- June 2011: non-tenure track appointment:*
During this period I held a non-tenure track position as clinical professor At McGill University, a position that did not allow him to submit research grant applications as Principal Investigator. This status as non-tenure track professor caused a delay in my academic because I was not able to seek my own funding and I have limited time allocated for research I my appointment (60%).