

Curriculum Vitae

Joseph Peter Fiorellini, D.M.D., D.M.Sc.

Education:

1982	B.S.	Springfield College, Springfield, MA (Biology and Chemistry)
1990	D.M.D.	Harvard School of Dental Medicine, Boston, MA (Dentistry)
1993	D.M.Sc.	Harvard School of Dental Medicine, Boston, MA (Oral Biology)
1993	Certificate	Harvard School of Dental Medicine, Boston, MA (Periodontology)

Postdoctoral Training:

1990-1993	Research Fellow of Periodontology, Harvard School of Dental Medicine
1990-1993	International Team for Oral Implantology/Straumann Research Fellow, Harvard School of Dental Medicine

Academic Appointments:

1990-1993	Research Fellow of Periodontology, Harvard School of Dental Medicine
1993-1995	Instructor of Periodontology, Harvard School of Dental Medicine
1994-2005	Program Director of Periodontology, Department of Oral Medicine, Infection and Immunity, Harvard School of Dental Medicine
1995-2000	Assistant Professor of Periodontology, Harvard School of Dental Medicine
1999-2002	Acting Chairperson, Department of Periodontology, Harvard School of Dental Medicine
2001-2005	Associate Professor in Periodontology, Harvard School of Dental Medicine
2002-2005	Associate Chair, Department of Oral Medicine, Infection and Immunity, Harvard School of Dental Medicine
2002-2005	Head, Division of Periodontology, Harvard School of Dental Medicine
2003-2005	Acting Co-Core Director of Predoctoral Periodontology, Harvard School of Dental Medicine
2005-	Professor of Periodontics, Department of Periodontics, University of Pennsylvania School of Dental Medicine
2005-2016	Chair, Department of Periodontics, University of Pennsylvania School of Dental Medicine
2006-2015	Program Director, Department of Periodontics, University of Pennsylvania School of Dental Medicine
2011-2012	Predoctoral Periodontics Director, Department of Periodontics, University of Pennsylvania School of Dental Medicine

2018-2019 Director, Center for Clinical and Translational Research,
University of Pennsylvania School of Dental Medicine
2018- Program Director, Department of Periodontics, University of
Pennsylvania School of Dental Medicine

Principal Clinical & Hospital Service Responsibilities:

1989-1993 Practitioner, Licensed Practitioner Clinic, Harvard School of
Dental Medicine
1990-1994 Practitioner, Kazis, Kurban and Associates, Boston, MA
1993-2005 Practice Limited to Periodontology and Implant Dentistry,
Harvard Dental Center, Harvard School of Dental Medicine
2005- Practice Limited to Periodontology and Implant Dentistry,
Penn Dental Family Practice, University of Pennsylvania
School of Dental Medicine

Specialty Certification:

1999 Diplomat, American Board of Periodontology
1994 Fellow, International Team for Oral Implantology

Licensure:

Massachusetts, Pennsylvania and New York

Awards and Honors:

1982 American Institute of Chemistry
1986 National Institute of Dental Research Student Research
Grant
1990 cum laude, Harvard School of Dental Medicine
1990 American Academy of Periodontology Student Award
1990 Academy of Operative Dentistry Student Award
1990 International College of Dentists Student Award
1992 International Association for Dental Research Travel Grant
1993 Dr. Joseph Henry Award (Excellence in Research and
Clinical Training), Harvard School of Dental Medicine
1994 Young Investigators Award, American Academy of
Periodontology
1996 Academy of Osseointegration Research Foundation Award
1997 European Association for Osseointegration Research Prize
2001 Distinguished Junior Faculty Award, Harvard School of
Dental Medicine
2003 Distinguished Senior Faculty Award, Harvard School of
Dental Medicine
2005 E. Bud Tarrson Research Award in Oral Plastic Surgery,
American Academy of Periodontology
2008 Galien Foundation, Prix Galien Award, Top Biotechnology
Product, Infuse Bone Graft
2015 Roberto Cornelini Prize, International Congress of Implant
Prosthodontics. Zimbelli M., Corrente G., Fiorellini JP.,
Sarmiento H., Abundo R. "Insertion torque of conical
implants and its relationship with implant success and crestal

2016 bone loss in the maxilla: A clinical report on 200 fixtures".
The 12th International Symposium on Periodontics and Restorative Dentistry, Corrente G., Fiorellini JP., Sarmiento H., Abundo R. "Insertion torque of conical implants and its relationship with implant success and crestal bone loss in the maxilla: A clinical report on 200 fixtures".

Memberships, Offices and Committee Assignments in Professional Societies:

1985-1993 American Student Dental Association
1990- American Dental Education Association
1985- American Dental Association
2015- Commissioner-Commission on Continuing Education Recognition Program 2015-
Vice Chair-Commission on Continuing Education Recognition Program 2016-2017
Chair-Commission on Continuing Education Recognition Program 2017-2018
Member-Committee on Council, Commission and Committee Leadership 2017-2018
Consultant-Commission on Continuing Education Recognition Program 2018-
1985- 2005 Massachusetts Dental Society
1989- International Association of Dental Research
1989- American Association of Dental Research
Member-Constitution Committee 2010-2013
Chair-Constitution Committee 2012-2013
1989- American Academy of Periodontology
Committee of the Program Directors Organization, 1994
84th Annual Meeting Local Arrangements Committee, 1998
In-Service Examination Committee, 1998-2004
Research, Science and Therapy Committee, 2000-2003
Chair, Committee of the Program Directors Organization, 2003-2005
Education Committee, 2003-2005
Continuing Education Oversight Committee, 2004-2007
Finance Committee, 2007-2008
Representative to the American Dental Association Commission on Continuing Education Recognition, 2015-2018
1998- Academy of Osseointegration
Predoctoral Education Committee, 2002-2004
Implant and Certificate in Implant Dentistry Committee 2015-
Advisory Committee on Committees, 2016-2017
Director-Board of Directors, 2017-
Board Liason-Academy News, 2017-
Academy of Osseointegration Foundation
Research Grant Committee, 2008-2017

Research Grant Committee, Vice Chair 2015
Research Grant Committee Chair, 2015-2017
1990- Harvard Dental Alumni Association
1993-2005 Metropolitan District Dental Society
1994- International Team for Oral Implantology-Fellow
1996- Harvard Odontological Society
1996- American Academy of Periodontology Foundation
Clinical Research Mentor 1996-2002
Partners-in-Practice Program, Core Grant Review
Committee 1997-2002
Educational Scholarship Committee 2004
Nevins Scholarship Committee 2009-2016
1997-2005 Massachusetts Periodontal Society
1997- Omicron Kappa Upsilon
President, Omicron Kappa Upsilon (Harvard School of
Dental Medicine Chapter) 2004
President, Omicron Kappa Upsilon (University of
Pennsylvania School of Dental Medicine Chapter) 2013-
2017
2005- Pennsylvania Dental Society
2016- International College of Dentists-Fellow

Consensus Conferences:

American Academy of Periodontology

Periodontal Disease Management: A Conference for the Dental Team.
1993

Workshop on Contemporary Science in Clinical Periodontics, Systematic
review of dental implant success in regenerated bone. Section Chair 2003

Periodontal Regeneration Workshop. 2015

World Workshop on the Classification of Periodontal and Peri-Implant
Diseases and Conditions. Academy of Osseointegration Representative.
2017

International Team for Oral Implantology

ITI Consensus Conference, Biological characteristics of wound healing
around nonsubmerged dental implants. 1999

Systematic Review of Dental Implantology, Biological and technical
complication of dental implants. 2003

Academy of Osseointegration

State of the Science on Implant Dentistry Workshop. The effect of
smoking, diabetes, adverse loading and periodontal disease on implant
outcomes. 2006

Optimized Patient Care, Converting Osseointegration to Patientintegration. Peri-Implant Mucosal Tissues and Inflammation: Clinical Implications. Section Chair 2018

Editorial Board:

Editorial Advisory Board

2007- Journal of Periodontology, American Academy of Periodontology

Associate Editor

2011- International Journal of Oral and Maxillofacial Implants, Quintessence Publishing

Reviewer/Member

1993- Journal of Periodontology, American Academy of Periodontology/Wiley

1997- Clinical Oral Implants Research, Munksgaard International Publishers LTD

1998- The International Journal of Periodontics and Restorative Dentistry, Quintessence Publishing

2001- The Journal of Evidence-Based Dental Practice, Mosby, Inc.

2004- International Journal of Oral and Maxillofacial Implants, Quintessence Publishing

1999- Journal of Dental Research, International Association of Dental Research

1999- Journal of the American Dental Association, Elsevier Publishing

2002- Drugs, Adis International

2004- Journal of Clinical Periodontology, Munksgaard International Publishers LTD

2008-2011 The Compendium of Continuing Education in Dentistry, AEGIS Communications

2012- Journal of Prosthodontics, American College of Prosthodontics

2012- Clinical Advances in Periodontics, American Academy of Periodontology/Wiley

2011- American Journal of Orthodontics and Dentofacial Orthopedics, Elsevier Publishing

2015- Journal of Oral Science & Rehabilitation, Dental Tribune International GmbH

Major Committee Assignments:

Harvard School of Dental Medicine:

1985-1990 Class President

1985-1990 Student Council

1988-1989 President, Student Council

1989-1990 Chair, Student Section of Accreditation Committee

1989-1993 Department of Periodontology Executive Committee, Student Representative

1993-2001 Department of Periodontology Executive Committee

1993-2005	Continuing Education Committee
1994-2005	Harvard Dental Center Governance Committee
1995-1996	Research Committee
1996-2003	Predocctoral Research Committee
1996-2005	Committee on Advanced Graduate Education
1996	Ad hoc Committee on Accreditation
1996-1998	Environmental Health and Safety Committee
1996-2005	Teaching Practice Management Committee
1999-2002	Resource Development Committee
1999-2003	Research Committee
1999-2001	Committee on Appointments and Promotions
1999-2000	Research Strategic Planning Committee
2001-2005	Department of Oral Medicine, Infection and Immunity, Executive Committee
2000-2001	Ad hoc Committee on the Center for Oral Photomedicine
2003	Faculty Scholarship Task Force
2003	Dental Material Task Force
2003-2005	Research Training Committee
2004-2005	Infection Control Committee

Harvard Medical School:

1986-1988	New Pathway Committee
1985-1990	Faculty/Student Committee
1999-2005	Scholars in Clinical Science Program (K30), Admissions Committee
2000-2002	Harvard Clinical Research Institute, Education Committee
2005-2005	Harvard Medical School Clinical Research and Education Council

Harvard University Corporation:

2004-2006	Advisory Committee on Shareholder Responsibility
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Massachusetts Dental Society:

1989-1990	Young Dentists Subcommittee
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Commission on Dental Accreditation:

2005-2010	Consultant for the Specialty of Periodontology
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University of Pennsylvania School of Dental Medicine

2005-	Accreditation Steering Committee
2005-	Departmental Search Committees (Anatomy, Biochemistry, Periodontics, Endodontics, Restorative Dentistry)
2005-2006	Infection Control Committee
2005-	Committee of Full Professors
2006-	Department of Periodontics Admissions Committee, Chair and/or member
2006-	Department of Periodontics Student Review Committee, Chair and/or member

2014-	Department of Periodontics Materials Management Committee, Chair and/or member
2008-2009	Committee of Full Professors, Chair
2006-2009	Committee for Faculty Appointments and Promotions
2015-	Committee for Faculty Appointments and Promotions
2009-2012	Committee for Conflict of Interest
2007-2013	Quality Assurance Committee
2012-2013	Quality Assurance Committee, Chair
2014-2015	Committee on Evidence Based Dentistry
2013-	Dean's Council (Development Office)
2013-2015	Research Investment Fund Committee

University of Pennsylvania

2008	Consultative Search Committee for Dean (School of Dental Medicine)
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Advising Responsibilities:

Extensive involvement with the training of more than 150 Fellows, Pre- and Postdoctoral students at Harvard and University of Pennsylvania Schools of Dental Medicine

Invited Presentations (Past Five Years):

- 2013 *Treatment Planning in Modern Periodontics*, Hanyang University, Seoul Korea
- 2013 *The Effect of Diabetes on Periodontics and Implantology*, The 11th International Symposium on Periodontics and Restorative Dentistry, Boston, MA
- 2013 *Expansion of Therapeutic Indications with CBCT*, 99th Annual Meeting Corporate Forum, American Academy of Periodontology, Philadelphia, PA
- 2013 *Peri-Implantitis*, Greater New York Dental Meeting, New York, NY
- 2013 *Tooth vs Implant*, Greater New York Dental Meeting, New York, NY
- 2014 *Clinical Updates in Periodontics and Implant Dentistry*, Sicor, Torino, Italy
- 2015 *Peri-Implantitis: Risk, Diagnosis and Treatment*, Montgomery Bucks Dental Society, Blue Bell, PA
- 2016 *Expansion of Therapeutic Indications for CBCT*, Northeast Implant Study Club, Philadelphia, PA
- 2016 *Biologics for Everyday Clinical Practice*, Delaware Academy of Osseointegration, Philadelphia, PA
- 2016 *Emerging Technologies for Diagnosing Inflammatory Disease: Are We There?*, The 12th International Symposium on Periodontics and Restorative Dentistry, Boston, MA
- 2017 *Peri-Implantitis: ¹¹SEP Current Concepts for Diagnosis and Treatment*, Geistlich, Chicago, IL
- 2017 *ADA CERP Recognition: A Workshop for CE Providers*, American Dental Association Annual Meeting, Atlanta, GA

2018 *ADA CERP Recognition: A Workshop for CE Providers*, American Dental Association Annual Meeting, Honolulu, HI

2018 *Interactive Treatment Planning Session*, Osteology Foundation, Pheonix, AZ

Bibliography

Original Reports (Past Five Years):

Wada K, Yu W, Elazizi M, Barakat S, Ouimet MA, Rosario-Meléndez R, Fiorellini JP, Graves DT, Uhrich KE. Locally delivered salicylic acid from a poly(anhydride-ester): impact on diabetic bone regeneration. *J Control Release*. 2013 Oct 10;171(1):33-37.

Noelken R, Donati M, Fiorellini J, Gellrich NC, Parker W, Wada K, Berglundh T. Soft and hard tissue alterations around implants placed in an alveolar ridge with a sloped configuration. *Clin Oral Implant Res* 2014; Jan;25(1):3-9.

Su H, Laio HF, FiorelliniJP, Kim S, Korostoff J. Factors affecting treatment planning decisions for compromised anterior teeth. *Int J Periodontics Restorative Dent*. 2014; May-Jun;34(3):389-398.

Lee EA, Martin O, Fiorellini JP, Lingualized flapless implant placement into fresh extraction sockets preserves buccal alveolar bone: A cone beam computerized tomography study. *Int J Periodontics Restorative Dent*. 2014; Jan-Feb;34(1):61-68.

Reynolds MA, Kao RT, Camargo PM, Caton JG, Clem DS, Fiorellini JP, Geisinger ML, Mills MP, Nares S, Nevins ML. Periodontal regeneration-intrabony defects: a consensus report from the AAP Regeneration Workshop. *J Periodontol*. 2015 Feb;86(2 Suppl):S105-7.

Kao DW, Fiorellini JP. Comparison of ridge expansion and ridge splitting techniques for narrow alveolar ridge in a Swine cadaver model. *Int J Periodontics Restorative Dent*. 2015; 35(3):e44-49.

Sarmiento H, Othman B, Norton M, Fiorellini J. Management of a sinus augmentation complication. A palatal approach. Case report. *Int J Periodontics Restorative Dent*. 2016; 36(1):111-115.

Ammannato R, Pirelli M, Lombardo S, Sarmiento H, Fiorellini J. Multidisciplinary management of the restorability of compromised teeth: A case report. *Journal of Cosmetic Dentistry*. 2016; 32(2):48-57.

Fiorellini J, Glindemann S, Salcedo J, Park CJ, Sarmiento H, Weber HP. The effect of osteopontin and an osteopontin-derived synthetic peptide coating on osseointegration of implants in a canine model. *Int J Periodontics Restorative Dent*. 2016; 36(6):e88-94.

Yu W, Bien-Aime S, Mattos M, Alsadun S, Wada K, Rogado S, Fiorellini J, Graves D, Uhrich K. Sustained, localized salicylic acid delivery enhances diabetic

bone regeneration via prolonged mitigation of inflammation. *J Biomed Mater Res A*. 2016; 104(10):2595-2603.

Sarmiento H, Norton M, Fiorellini J. Development of a classification system for peri-implant diseases and conditions. *Int J Periodontics Restorative Dent*. 2016; 36(5):699-705.

Fiorellini JP, Glindmann S, Salcedo J, Weber HP, Park CJ, Sarmiento HL. The Effect of Osteopontin and an Osteopontin-Derived Synthetic Peptide Coating on Osseointegration of Implants in a Canine Model. *Int J Periodontics Restorative Dent*. 2016; 36(6):e88-e94.

Kubota A, Sarmiento H, Alqahtani M, Llobell A, Fiorellini J. The use of recombinant human Platelet-Derived Growth Factor for maxillary sinus augmentation. *Int J Periodontics Restorative Dent*. 2017; 37(2):219-225.

Canullo L, Genova T, Mandracci P, Mussano F, Abundo R, Fiorellini J. Morphometric changes induced by cold plasma of argon treatment on osteoblasts grown on different dental implant surfaces. *Int J Periodontics Restorative Dent*. 2017; 37(4):541-548.

Chung JR, Choi JW, Fiorellini JP, Hwang KG, Park CJ. Effects of nerve cells and adhesion molecules on nerve conduit for peripheral nerve regeneration. *J Dent Anesth Pain Med*. 2017;17(3):191-198.

Sarmiento HL, Norton M, Korostoff J, Ko KI, Fiorellini JP. Surgical alternatives for treating peri-implantitis. *Int J Periodontics Restorative Dent*. 2018; 38(5): 665-671.

Ju GU, Han JY, Hwang KG, Park CJ, Stathopoulou P, Fiorellini J. Effects of conventional synthetic disease-modifying antirheumatic drugs on response to periodontal treatment in patients with rheumatoid arthritis. *BioMed Research International* 2018; <https://doi.org/10.1155/2018/1465402>.

Canullo L, Tallarico M, Penarrocha M, Corrente G, Fiorellini J, Penarrocha D. Mechanical Outcomes, Microleakage, and Marginal Accuracy at the Implant-Abutment Interface of Original versus Nonoriginal Implant Abutments: A Systematic Review of In Vitro Studies. *BioMed Research International* 2018; <https://doi.org/10.1155/2018/2958982>

Canullo L, Tallarico M, Penarrocha M, Corrente G, Fiorellini J, Penarrocha D. Plasma of argon cleaning treatment on implant abutments in periodontally healthy patients: Six years post-loading results of a randomized controlled trial. *Int J Periodontics Restorative Dent*. (Accepted).

Canullo L, Pesce P, Tronchi M, Fiorellini J, Amari Yo, Penarrocha D. Marginal soft tissue stability around conical abutments inserted with the one abutment-one

time protocol after 5-years of prosthetic loading. Clin Implant Dent Relat Res (Accepted).

Books (Past Five Years):

Fiorellini J, Stathopoulos P, Kim D. The Gingiva. In: Newman M, Carranza F (Eds). Carranza's Clinical Periodontology, Elsevier, 2015

Fiorellini J, Stathopoulos P, Kim D. The Tooth-Supporting Structures. In: Newman M, Carranza F (Eds). Carranza's Clinical Periodontology, Elsevier, 2015

Fiorellini J, Stathopoulos P, Kim D. Clinical Features of Gingivitis. In: Newman M, Carranza F (Eds). Carranza's Clinical Periodontology, Elsevier, 2015

Fiorellini J, Stathopoulos P, Kim D. Gingival Inflammation. In: Newman M, Carranza F (Eds). Carranza's Clinical Periodontology, Elsevier, 2015

Fiorellini J, Kao D, Wada K, Klokkevold P. Peri-implant Anatomy, Biology and Function. In: Newman M, Carranza F (Eds). Carranza's Clinical Periodontology, Elsevier, 2015

Patents:

Fiorellini J, Nevins M, Kim D, Ramoni M; Methods and compositions for detecting and modulating periodontal disorders and periodontal diseases US patent 20080027146.

Uhrich K, Graves D, Wada K, Fiorellini J; Therapeutic compositions for bone repair. US patent 9,387,250.

Research Funding Information (Past Five Years):

2010-2013	NIH R01-Rutger (Bench Research) Biodegradable polymeric Prodrugs.	Subcontract
2010-2013	Astra Tech AB (Clinical Research) A prospective, open, single arm, multi-center study to evaluate maintenance of lingual bone in healed ridges with the Osseospeed Profile implant.	PI
2012-2015	Orapharma (Clinical Research) Multi-center Phase 3 Trial of minocycline HCl 1 mg microspheres for the use in subjects with peri-implantitis: clinical and microbiological evaluations (OP-P-5266-M)	PI
2016-2018	Geistlich (Clinical Research) A Pharmacokinetic Pilot followed by a Phase I/II, Blinded, Randomized, Controlled, Parallel Arm Trial to Evaluate the	PI

Safety, Tolerability and Efficacy of PerioSept[®] and Scaling
and Root Planing in Subjects with Periodontitis

2018-2019 NIDCR(Interdisciplinary Translational Project Program/
Michigan-Pittsburgh-Wyss Regenerative Medicine Resource
Center) /Launch Pad Medical(Bench Research) PI
Optimization of a Novel Organic-Mineral Bone Adhesive for
Dental Bone Grafting