

Curriculum Vitae

CONTACT INFORMATION

Name: Mauro Pedrine Santamaria DDS, MS, PhD.

Data of Birth: August 19th, 1977

Birthplace: Piracicaba. Brazil

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EDUCATION

Ph.D. in Periodontology - 2007-2009

University of Campinas, Piracicaba Dental School (FOP-UNICAMP) - Brazil

Thesis: Connective Tissue Graft Plus Glass Ionomer Restoration for the Treatment of Gingival Recession Associated with Non-Carious Cervical Lesion: Clinical, Histological and Microbiological Results.

Visiting Research Scholar - 2008-2009

University of Florida, College of Dentistry - Department of Periodontology – Gainesville, USA.
Training in molecular biology lab techniques – microbiological and immunological markers quantification (Luminex and qPCR). Mentors: Dr. Shannon Wallet and Dr. Luciana Shaddox.

Master of Science (MS) in Periodontology - 2005-2007

University of Campinas, Piracicaba Dental School (FOP-UNICAMP) - Brazil

Thesis: Coronally Positioned Flap Plus Glass Ionomer Restoration for the Treatment of Gingival Recession Associated with Non-Carious Cervical Lesion: Randomized Controlled Clinical Trial.

Residency, Certification in Periodontology - 2003-2004

University of Campinas, Piracicaba Dental School (FOP-UNICAMP) - Brazil

Dental Degree – DDS - 1996-1999

University of São Paulo, College of Dentistry, Ribeirão Preto (FORP-USP) - Brazil.

CERTIFICATION

The Brazilian Board of Periodontics - **2005**

PROFESSIONAL HISTORY

Associate Professor - 2017-Present

São Paulo State University (UNESP). College of Dentistry, Department of Periodontology

Appointments:

- Co-director of the Oral Biopathology Graduate Program (2017- Present).
- Director of the Periodontology Graduate Program (2017-present).

Assistant Professor - 2011-2017

São Paulo State University (UNESP). College of Dentistry, Department of Periodontology.

Appointments:

- Member of the Periodontology Department counsel (2013-2015)
- Member of the undergraduate program counsel (2014-2015)
- Co-chair of the Department of Periodontology (2015-2017).
- Co-director of the College of Dentistry-UNESP Research Committee (2015-2017).

Researcher Scientist - 2011-Present

São Paulo State University (UNESP). College of Dentistry, Department of Periodontology.

Appointments:

- Director of the post-graduate periodontology education
- In charge of the clinical research and Randomized Clinical Trials (RCTs) in the Department of Periodontology.

Assistant Researcher Scientist – 2009-2011

University of Campinas (UNICAMP). College of Dentistry, Department of Periodontology

Post-Doctorate - 2009-2010

University of Campinas (UNICAMP). College of Dentistry, Department of Periodontology

Private Practice – Dentist - 2000-2007

General Dentistry, Periodontology, and Implantology.

VOLUNTEER EXPERIENCE

Volunteer Director - 2012 - Present

Director of a social project that provides oral health care and periodontal treatment for underprivileged pregnant teenagers. Approximately 400 teenagers have been treated free of charge so far.

PUBLICATIONS

Please, see:

<https://www.ncbi.nlm.nih.gov/pubmed/?term=SANTAMARIA+MP%5BAuthor%5D+OR+SANTAMARIA%2C+MAURO%5BFull+Author+Name%5D>

Author of 96 scientific papers (in English and in Portuguese) and 9 chapters of books. Among these, 23 were as the senior author and 31 were as the first author. The following are the most relevant publications.

- Araujo CF, Andere NMRB, Santos NCC, Mathais IF, Amorim AA, Oliveira LD, Jardini MAN, Casarin RCV, **Santamaria MP**. Two different antibiotic protocols as adjuncts to one-stage full-mouth ultrasonic debridement to treat generalized aggressive periodontitis: a pilot randomized controlled clinical trial. *J Periodontol*. 2019 (Ahead of Print).
- Castro Dos Santos N, Andere NMRB, Miguel MMV, Dos Santos LM, Santamaria M Jr, Mathias IF, Jardini MAN, **Santamaria MP**. Photobiomodulation for the treatment of periodontal pockets in patients with type 2 diabetes: 1-year results of a randomized clinical trial. *Lasers Med Sci*. 2019 [Epub ahead of print]
- **Santamaria MP**, Silveira CA, Mathias IF, Neves FLDS, Dos Santos LM, Jardini MAN, Tatakis DN, Sallum EA, Bresciani E. Treatment of single maxillary gingival recession associated with non-carious cervical lesion: Randomized clinical trial comparing connective tissue graft alone to graft plus partial restoration. *J Clin Periodontol*. 2018;45:968–976.
- Bechara Andere NMR, Dos Santos NCC, Araujo CF, Mathias IF, Rossato A, de Marco AC, Santamaria M Jr, Neves Jardini MA, **Santamaria MP**. Evaluation of the local effect of nonsurgical periodontal treatment with and without systemic antibiotic and photodynamic therapy in generalized aggressive periodontitis. A randomized clinical trial. *Photodiagnosis Photodyn Ther*. 2018 Sep 15. pii: S1572-1000(18)30188-1.
- Ferreira CL, Nunes CMM, Bernardo DV, Pedroso JF, Longo M, Santamaria M Jr, **Santamaria MP**, Jardini MAN. Effect of orthodontic force associated with cigarette smoke inhalation in healthy and diseased periodontium. A histometric and immunohistochemistry analysis in rats. *J Periodontal Res*. 2018 Oct;53(5):924-931.
- Taiete T, Casati MZ, Stolf CS, Corrêa MG, **Santamaria MP**, Andere NMRB, Coletta RD, Sallum EA, Nociti Júnior FH, Silvério KG, Casarin RCV. Validation of reported GLT6D1 (rs1537415), IL10 (rs6667202), and ANRIL (rs1333048) single nucleotide polymorphisms for aggressive periodontitis in a Brazilian population. *J Periodontol*. 2018 Jul 20. doi: 10.1002/JPER.18-0071. [Epub ahead of print]
- Ferreira CL, da Rocha VC, da Silva Ursi WJ, De Marco AC, Santamaria M Jr., **Santamaria MP**, Jardini MAN. Periodontal response to orthodontic tooth movement in diabetes-induced rats with or without periodontal disease. *J Periodontol*. 2018 Mar;89(3):341-350.
- **Santamaria MP**, Neves FLDS, Silveira CA, Mathias IF, Fernandes-Dias SB, Jardini MAN, Tatakis DN. Connective tissue graft and tunnel or trapezoidal flap for the treatment of single maxillary gingival recessions: a randomized clinical trial. *J Clin Periodontol*. 2017 May;44(5):540-547
- Andere NMRB, Castro Dos Santos NC, Araujo CF, Mathias IF, Taiete T, Casarin RCV, Jardini MAN, Shaddox LM, **Santamaria MP**. Clarithromycin as an Adjunct to One-Stage Full-Mouth Ultrasonic Periodontal Debridement in Generalized Aggressive Periodontitis: A Randomized Controlled Clinical Trial. *J Periodontol*. 2017 Dec;88(12):1244-1252.
- Sangiorgio JPM, Neves FLDS, Rocha Dos Santos M, França-Grohmann IL, Casarin RCV, Casati MZ, **Santamaria MP**, Sallum EA. Xenogenous Collagen Matrix and/or Enamel Matrix Derivative for Treatment of Localized Gingival Recessions: A Randomized Clinical Trial. Part I: Clinical Outcomes. *J Periodontol*. 2017 Dec;88(12):1309-1318.

- Rocha Dos Santos M, Sangiorgio JPM, Neves FLDS, França-Grohmann IL, Nociti FH Jr, Silverio Ruiz KG, **Santamaria MP**, Sallum EA. Xenogenous Collagen Matrix and/or Enamel Matrix Derivative for Treatment of Localized Gingival Recessions: A Randomized Clinical Trial. Part II: Patient-Reported Outcomes. *J Periodontol*. 2017 Dec;88(12):1319-1328.
- Silveira CA, Mathias IF, da Silva Neves FL, Castro Dos Santos NC, Araújo CF, Neves Jardini MA, Bresciani E, **Santamaria MP**. Connective Tissue Graft and Crown-Resin Composite Restoration for the Treatment of Gingival Recession Associated with Noncarious Cervical Lesions: Case Series. *Int J Periodontics Restorative Dent*. 2017 Jul/Aug;37(4):601-607.
- **Santamaria MP**, Fernandes-Dias SB, Araújo CF, da Silva Neves FL, Mathias IF, Rebelato Bechara Andere NM, Neves Jardini MA. 2-Year Assessment of Tissue Bioestimulation With Low-Level Laser on the Outcomes of Connective Tissue Graft in the Treatment of Single Gingival Recession. *Randomized Clinical Trial*. *J. Periodontol* 2017 Apr;88(4):320-328.
- **Santamaria MP**, Saito MT, Mathias IF, Silveira CA, Casati MZ, Sallum EA, Casarin RCV. A novel modification of semilunar coronally advanced flap for the treatment of gingival recession. Case series. *The International Journal of Periodontics & Restorative Dentistry* 2017 Mar/Apr;37(2):235-240.
- **Santamaria MP**, Queiroz LA, Mathias IF, Jardini MAN, Bresciani E, Sallum EA. Resin composite plus connective tissue graft to treat single gingival recession associated with non-carious cervical lesion. *Randomized clinical trial*. *J Clin Periodontol* 2016; 43:461-468
- da Silva Neves FL, Silveira CA, Dias SB, Santamaria Júnior M, de Marco AC, Kerbauy WD, de Melo Filho AB, Jardini MA, **Santamaria MP**. Comparison of two power densities on the healing of palatal wounds after connective tissue graft removal: randomized clinical trial. *Lasers Med Sci*. 2016 Sep;31(7):1371-8.
- Jardini MA, Tera TM, Meyer AA, Moretto CM, Prado RF, **Santamaria MP**. Guided Bone Regeneration With or Without a Collagen Membrane in Rats with Induced Diabetes Mellitus: Histomorphometric and Immunolocalization Analysis of Angiogenesis and Bone Turnover Markers. *Int J Oral Maxillofac Implants*. 2016 Jul-Aug;31(4):918-27.
- Castro Dos Santos NC, Andere NM, Araujo CF, de Marco AC, Dos Santos LM, Jardini MA, **Santamaria MP**. Local adjunct effect of antimicrobial photodynamic therapy for the treatment of chronic periodontitis in type 2 diabetics: split-mouth double-blind randomized controlled clinical trial. *Lasers Med Sci*. 2016; 31(8):1633-1640.
- Spadari GS, Zaniboni E, Vedovello SA, **Santamaria MP**, do Amaral ME, Dos Santos GM, Esquisatto MA, Mendonca FA, Santamaria-Jr M. Electrical stimulation enhances tissue reorganization during orthodontic tooth movement in rats. *Clin Oral Investig*. 2016; 21(1):111-120.
- Moreira AR, **Santamaria MP**, Silvério KG, Casati MZ, Nociti Junior FH, Sculean A, Sallum EA. Coronally advanced flap with or without porcine collagen matrix for root coverage: a randomized clinical trial. *Clin Oral Investig*. 2016; 20(9):2539-2549
- Bergamaschi CC, **Santamaria MP**, Berto LA, Cogo-Müller K, Motta RH, Salum EA, Nociti Júnior FH, Goodson JM, Groppo FC. Full mouth periodontal debridement with or without

adjunctive metronidazole gel in smoking patients with chronic periodontitis: A pilot study. *J Periodontol Res.* 2016 Feb;51(1):50-9.

- Queiroz LA, **Santamaria MP**, Casati MZ, Ruiz KS, Nociti F Jr, Sallum AW, Sallum EA. Enamel matrix protein derivative and/or synthetic bone substitute for the treatment of mandibular class II buccal furcation defects. A 12-month randomized clinical trial. *Clin Oral Investig.* 2016 Sep;20(7):1597-606.

- Fernandes-Dias SB, de Marco AC, Júnior MS, Kerbauy WD, Jardini MA, **Santamaria MP**. Connective tissue graft associated or not with low laser therapy to treat gingival recession. Randomized clinical trial. *J Clin Periodontol.* 2015 Jan;42(1):54-61. doi: 10.1111/jcpe.12328

- Dias SB, Fonseca MV, Dos Santos NC, Mathias IF, Martinho FC, Junior MS, Jardini MA, **Santamaria MP**. Effect of GaAlAs low-level laser therapy on the healing of human palate mucosa after connective tissue graft harvesting: randomized clinical trial. *Lasers Med Sci.* 2015 Aug;30(6):1695-702. doi: 10.1007/s10103-014-1685-2

- Tera Tde M, Prado RF, De Marco AC, **Santamaria MP**, Jardini MA. The RANK/ RANKL/ OPG interaction in the repair of autogenous bone grafts in female rats with estrogen deficiency. *Braz Oral Res.* 2014 Jan-Feb;28(1).Epub 2014 Sep 15.

- **Santamaria MP**, Mathias IF, Dias SB, Jardini MA, Junior MS, Sallum EA. Esthetic evaluation of different approaches to treat gingival recession associated with non-carious cervical lesion treatment: a 2-year follow-up. *Am J Dent.* 2014 Aug;27(4):220-4.

- **Santamaria MP**, Suaid FF, Carvalho MD, Nociti FH Jr, Casati MZ, Sallum AW, Sallum EA. Healing patterns after subgingival placement of a resin-modified glass-ionomer restoration: a histometric study in dogs. *Int J Periodontics Restorative Dent.* 2013 Sep-Oct;33(5):679-87.

- **Santamaria MP**, da Silva Feitosa D, Casati MZ, Nociti FH Jr, Sallum AW, Sallum EA. Randomized controlled clinical trial evaluating connective tissue graft plus resin-modified glass ionomer restoration for the treatment of gingival recession associated with non-carious cervical lesion: 2-year follow-up. *J Periodontol.* 2013 Sep;84(9):e1-8

- de Camargo Pereira G, Guimarães GN, Planello AC, **Santamaria MP**, de Souza AP, Line SR, Marques MR. Porphyromonas gingivalis LPS stimulation downregulates DNMT1, DNMT3a, and JMJD3 gene expression levels in human HaCaT keratinocytes. *Clin Oral Investig.* 2013 May;17(4):1279-85

- **Santamaria MP**, Casati MZ, Nociti FH Jr, Sallum AW, Sallum EA, Aukhil I, Wallet SM, Shaddox LM. Connective tissue graft plus resin-modified glass ionomer restoration for the treatment of gingival recession associated with non-carious cervical lesions: microbiological and immunological results. *Clin Oral Investig.* 2013 Jan;17(1):67-77.

- Feitosa Dda S, **Santamaria MP**, Casati MZ, Sallum EA, Nociti Júnior FH, de Toledo S. Surgical management of gingival overgrowth associated with Cowden syndrome: a case report and current understanding. *Quintessence Int.* 2011 May;42(5):e60-4

- **Santamaria MP**, Ambrosano GM, Casati MZ, Nociti FH Jr, Sallum AW, Sallum EA. The influence of local anatomy on the outcome of treatment of gingival recession associated with non-carious cervical lesions. *J Periodontol.* 2010 Jul;81(7):1027-34.

- **Santamaria MP**, Ambrosano GM, Casati MZ, Nociti Júnior FH, Sallum AW, Sallum EA. Connective tissue graft plus resin-modified glass ionomer restoration for the treatment of gingival recession associated with non-carious cervical lesion: a randomized-controlled clinical trial. *J Clin Periodontol.* 2009 Sep;36(9):791-8

- **Santamaria MP**, da Silva Feitosa D, Nociti FH Jr, Casati MZ, Sallum AW, Sallum EA. Cervical restoration and the amount of soft tissue coverage achieved by coronally advanced flap: a 2-year follow-up randomized-controlled clinical trial. *J Clin Periodontol.* 2009 May;36(5):434-41

- **Santamaria MP**, Suaid FF, Casati MZ, Nociti-Júnior FH, Sallum AW, Sallum EA. Coronally Positioned Flap Plus Glass Ionomer Restoration for the Treatment of Gingival Recession Associated with Non-Carious Cervical Lesion: Randomized Controlled Clinical Trial. *J Periodontol.* 2008; 79: 621-628.

- Suaid FF, Carvalho MD, **Santamaria MP**, Casati MZ, Nociti-Júnior FH, Sallum AW, Sallum EA. Platelet-Rich Plasma and Connective Tissue Graft in the Treatment of Gingival Recessions: A Histometrical Study in Dogs. *J Periodontol* 2008; 79: 888-895.

- **Santamaria MP**, Suaid FF, Nociti FH Jr, Casati MZ, Sallum AW, Sallum EA. Periodontal surgery and glass ionomer restoration in the treatment of gingival recession associated with a non-carious cervical lesion: report of three cases. *J Periodontol.* 2007 Jun;78(6):1146-53.

Chapters and Books

- Mathias IF, Miguel MMV, Jardini MAN, **Santamaria MP**, Low-Level Laser Therapy in Periodontal Plastic Surgery. In: Valdir Gouveia Garcia (Org.). *Laser in Dentistry.* 1ed.Nova Odessa: Napoleão, 2019, v. 1, p. 288-312.

- **Santamaria MP**, Sallum EA, Neves FLS, Mathias IF, Jardini MAN. Using semilunar flap to treat gingival recession. In: Guisepe Alexandre Romito; Marinella holzhausen; Luciana Saraiva; Claudio Mendes Pannuti; Cristina Cunha Villar. (Org.). *Therapeutic strategies to manage periodontal and perimplants diseases.* 1ed.Nova Odessa: Napoleão, 2017, v. 1, p. 154-163.

- Sallum EA, Grohmann IL, **Santamaria MP**, Nociti-Junior FH, Casati MZ. Treatment of gingival recession associate with non-carious cervical lesions. In Guisepe Alexandre Romito; Marinella holzhausen; Luciana Saraiva; Claudio Mendes Pannuti; Cristina Cunha Villar. (Org.). *Therapeutic strategies to manage periodontal and perimplants diseases.* 1ed.Nova Odessa: Napoleão, 2017, v. 1, p. 164-173.

- Ribeiro FV, Bittencourt S, **Santamaria MP**, Ruiz KGS, Casati MZ, Sallum EA. Root coverage: previsibility and possibiliteis. In: Rui Vicente Oppermann, Cassiano Kuchenbecker Rösing, Patricia Weidlich e Tiago Fiorini. (Org.). *Periodontia para todos: da prevenção ao implante.* 1ed.Nova Odessa: Napoleão, 2013, v. 1, p. 298-315.

- **Santamaria MP**, Nociti-Júnior FH, Casati MZ, Ruiz KGS, Sallum AW, Sallum EA. Important considerations in the management of gingival recession. In: Antonio Wilson Sallum. (Org.). *CIOSP 2011.* 1ed.Nova Odessa: Napoleão, 2011, v. 1, p. 245-264.

- Sallum AW, **Santamaria MP**, Casati MZ, Sallum EA, Sallum EJ. Assessment of risk factors for periodontal disease. In: Wilson Batista Mendes; Eduardo Miyashita; Gustavo Gomes de Oliveira.. (Org.). *CIOMIG 2011: Reabilitação Oral ? Tratamento Clínico Integrado.* 1ed.Nova Odessa: Napoleão, 2011, v. 1, p. 294-311.

- **Santamaria MP**, Nociti-Júnior FH, Sallum EA. Factors that may influence the outcome of root

coverage procedures. In: Sallum AW; Cicareli AJ; Querido MR; Bastos Neto FR. (Org.). Periodontologia e Implantodontia: soluções estéticas e recursos clínicos. 1ed.Nova Odessa: Napoleão, 2010, v. 1, p. 273-292.

- Feitosa DS, **Santamaria MP**, Casati MZ, Sallum EA, Toledo S, Nociti-Júnior FH. Risk factors for chronic periodontal diseases. In: Nova Science Publishers, New York. (Org.). Periodontitis: symptoms, treatment, and prevention. 1ed.New York: Nova Science Publisher, 2010; 1: 1-30. ISBN: 978-1-61668-836-3.

- Sallum EA, **Santamaria MP**, Casati MZ. Application of the enamel matrix derivative in the treatment of gingival recession. In: Saba-Chujfi E.; Santos-Pereira SA. (Org.). CIPE - Periodontologia, resultados e integração. 1ed.São Paulo: Artes Médicas, 2007, v. 1, p. 227-238.

RESEARCH EXPERIENCE AND SKILLS

-Clinical Research in Periodontics and Implantology. Experience in designing, performing, and analyzing randomized clinical trials. Different PICOs (Population/Intervention/Comparison/Outcomes) have already been performed, such as treatment of gingival recession, gingival recession associated with non-carious cervical lesion, antibiotics in the treatment of Aggressive Periodontitis, treatment of Chronic Periodontitis in diabetic patients, endoperio lesion, dental implant in esthetic area, laser in wound healing, and antimicrobial Photodynamic Therapy. More recently, electrical stimulation and magnetic field.

-Animal research models. Experience in different animal models. 1) Rat/Mouse, Rat/Mouse periodontitis model; Rat bone block regeneration; Rat/Mouse calvaria defect; Rat tibia implant model; Rat hypothyroidism model; Rat orthodontic tooth movement. 2) Dog Models, Dog periodontitis model; Dog gingival recession defects, Dog infrabone defects, Dog bone/furcation defects (Wikejo et al., 1994).

-Molecular and cell biology techniques. Experience in sampling subgingival biofilm and GCF. Identification and investigation of inflammatory biomarkers from GCF by using multiplex analysis (Luminex). Microbiology Applied to Periodontics -Investigation and identification of bacterial species from different type of periodontal infections using DNA extraction and qPCR.

-Histological procedures – Histomorphometric, Immunohistochemistry, and Immunolocalization Analysis. Non-decalcified histological procedures – EXAKT System.

-Biostatistics training (2010-2012)

MENTORING AND RESEARCH PROJECTS

Postdoctoral Students

Master of Science Students

1. Marcus Vinícius Alves Fonseca DDS, **MS student (2013-2015). Project:** The influence low intensity laser therapy (LLLT) in the outcomes of connective tissue graft for root coverage in smokers. Randomized clinical trial (**FAPESP grant # 2013/11025-4**).

2. Camila Augusto Silveira DDS, **MS student (2014-2016). Project:** Evaluation of a new surgical-restorative approach for the treatment of gingival recession associated with non-carious cervical lesion. Randomized clinical trial (**FAPESP grant # 2015/08701-3**).
3. Naira Maria Rebelatto Bechara Andere DDS, **MS student (2014-2016). Project:** One-stage full mouth periodontal debridement for the treatment of generalized aggressive periodontitis associated or not with the use of clarithromycin. Randomized clinical trial (**FAPESP grant # 2015/04621-5**).
4. Felipe Lucas da Silva Neves DDS, **MS student (2014-2016). Project:** Evaluation of two different types of flap associated with connective tissue graft in the treatment of gingival recession. Randomized clinical trial (**FAPESP grant # 2014/00119-0**).
5. Cássia Fernandes Araujo DDS, **MS student (2015-2017). Project:** Periodontal debridement associated with two different antibiotic agents to treat generalized aggressive periodontitis. Randomized clinical trial (**FAPESP grant # 2014/22078-4**).
6. Stephanie Botti Fernandes Dias DDS, MS, **PhD student (2014-2017). Project:** Immediate implant placement associated or not with connective tissue graft in the esthetic zone. Randomized clinical trial.
7. Raphael Kazuo Osugue MD, **MS student (2016-2018). Project:** Influence of periodontal disease on the occurrence of intra-stent restenosis. Case-control study.
8. Manuela Maria Viana Miguel DDS, **MS student (2018-2020). Project:** Influence of electric stimulation on palate wound healing. Randomized clinical trial. (**FAPESP grant # 2018/03353-5**).
9. Amanda Rossato DDS, **MS student (2018-2020). Project:** Comparison between two types of grafts in the treatment of multiple adjacent gingival recessions associated with non-carious cervical lesion partially restored by resin composite: porcine acellular dermal matrix versus connective tissue graft associated with modified coronally advanced flap. Randomized clinical trial. (**FAPESP grant # 2018/03284-3**).
10. Lais Fernanda Ferraz DDS, **MS student (2018-2020). Project:** Comparison of two types of grafts (Mucograft® and Mucoderm®) associated with coronally advanced flap for the treatment of single gingival recessions. Randomized clinical trial.

PhD Students

1. Felipe Lucas da Silva Neves DDS, MS, **PhD student (2016-2019). Project:** Electrical stimulation effect on coronally advanced flap for the treatment of gingival recession. Randomized controlled clinical trial. (**FAPESP grant # 2016/07528-9**).
2. Naira Maria Rebelatto Bechara Andere DDS, MS, **PhD student (2016-2019). Project:** - Evaluation of additional therapies in patients with generalized aggressive periodontitis: treatment of residual pockets and regeneration of furcations defects. Randomized-controlled clinical trial (**FAPESP grant # 2016/ 15143-0**).
3. Nidia Cristina Castro dos Santos DDS MS, **PhD student (2015-2018). Project:** Effect of omega-3 polyunsaturated fatty acids plus low dose of aspirin daily supplementation as adjunctive to one-stage full-mouth ultrasonic debridement for the treatment of chronic periodontitis in patients presenting type 2 diabetes. Superiority randomized clinical trial. (**FAPESP grant # 2016/02234-7**)
4. Cássia Fernandes Araujo DDS, MS, **PhD student (2017-2020). Project:** Evaluation of omega-3 polyunsaturated fatty acids plus low-dose aspirin daily supplementation to treat generalized aggressive periodontitis: randomized controlled clinical trials (**FAPESP grant # 2017/05101-0**).

5. Camila Lopes Ferreira DDS, MS, **PhD student (2017-2020)**. **Project:** Effect of electrotherapy on palatal wound healing. A rat study. (**FAPESP grant # 2016/16102-5**).

Predocctoral Students

1. Vanessa Treuherz Salomao **DDS student (2010)**. **Project:** Esthetic evaluation of different approaches to treat gingival recession associated with non-carious cervical lesion treatment: a 2-year follow-up. (**FAPESP scholarship # 2011/07523-3**)
2. Poliana Giacomini Tanobe **DDS Student (2013)** **Project:** The influence of local anatomy on the final outcome of connective tissue graft associated or not with low intensity laser therapy (LILT) to treat gingival recession. (**FAPESP scholarship # 2013/16968-4**)
3. Jéssica Dias Santos **DDS Student (2014)** **Project:** Effect of GaAIIAs low-level laser therapy on the healing of human palate mucosa after connective tissue graft harvesting: randomized clinical trial. (**FAPESP scholarship # 2012/14381-3**)
4. Ana Luiza Barbosa Jurema **DDS student (2014)** **Project:** Effect of low-level laser therapy on the healing of palate mucosa after connective tissue graft harvesting on smokers: randomized clinical trial. (**FAPESP scholarship # 2013/19648-0**)
5. Renata Silveira Sagnori **DDS student (2015)** **Project:** Evaluation of the local effect of non-surgical periodontal treatment associated or not with systemic antibiotics and photodynamic therapy to treat generalized aggressive periodontitis. Randomized clinical trial (**FAPESP scholarship # 2015/12669-8**).
6. Fernanda Zapater Piere **DDS student (2015)** **Project:** Comparison of two power densities on the healing of palatal wounds after connective tissue graft removal: randomized clinical trial. (**FAPESP scholarship # 2014/09147-7**).
7. Raphaella Silveira Medeiros **DDS student (2016)**. **Project:** The influence of the arch and root buccal projection, measured by computed tomographic, on root coverage of gingival recession treated by 2 different surgical procedures (**FAPESP scholarship # 2015/14119-5**).
8. Monique Gerlach dos Reis **DDS student (2017)**. **Project:** Comparison of two power densities for photobiomodulation of palatal donor site after free gingival graft removal. Pilot Study (**FAPESP scholarship # 2016/17725-6**).
9. Tayná Lopes da Silva **DDS student (2018)**. **Project:** Evaluation of the local effect of non-surgical periodontal treatment associated to different systemic antibiotic protocols and single or repeated application of photodynamic therapy to treat generalized aggressive periodontitis (**FAPESP scholarship # 2018/02161-5**).

GRANTS AND CONTRACTS

- Project Title: “Effect of electrical stimulation on orthodontic treatment. Randomized controlled clinical trial.”
Year: 2018
Sponsor: **ORTHODONTICELL-Co. USA**
Role Associated Researcher
Direct Cost: U\$ 15,000.00
- CNPq Highly-Productivity Researcher Fellow 2017.
Project granted by Brazilian National Council for Scientific and Technological Development for the most productive researchers in their field.
Grant Number: 054368342950942 Year: 2017
Sponsor: **CNPq - National Council for Scientific and Technological Development**
Role Principal Investigator

Direct Cost: \$ 36,000.00.†

- Project Title: “Electrical stimulation effect on coronally advanced flap for the treatment of gingival recession. Randomized controlled clinical trial.”
Grant Number: [2016/07528-9](#). Year: 2016
Sponsor: **FAPESP – São Paulo Research Foundation**
Role Principal Investigator
Direct Cost: \$ 147,347.46*
- Project Title: “Periodontal plastic surgery: assessment of periodontal wound healing immunology and randomized clinical trial for the development of new treatment protocol.”
Grant Number: [2016/16102-5](#). Year: 2016
Sponsor: **FAPESP – São Paulo Research Foundation**
Role Principal Investigator
Direct Cost: \$ 178,890.00*
- Project Title: “Effect of omega-3 polyunsaturated fatty acids plus low dose of aspirin daily supplementation as adjunctive to one-stage full-mouth ultrasonic debridement for the treatment of chronic periodontitis in patients presenting type 2 diabetes”
Grant Number: [2016/02234-7](#). Year: 2016
Sponsor: **FAPESP – São Paulo Research Foundation - Medical Field**
Role Principal Investigator
Direct Cost: \$ 147,347.46*
- Project Title: “Periodontal debridement associated with two different antibiotic agents to treat generalized aggressive periodontitis. Randomized clinical trial”
Grant Number: [2014/22078-4](#). Year: 2014
Sponsor: **FAPESP – São Paulo Research Foundation**
Role Principal Investigator
Direct Cost: \$ 42,568.02*
- Project Title: “Effect of low-level laser therapy on the treatment of gingival recession in smokers”
Grant Number: 04/2013-PROPE. Year: 2013
Sponsor: **UNESP Research Foundation. Grant Outstanding Young Investigator**
Role Principal Investigator
Direct Cost: \$ 10,000.00.†
- Project Title: “Treatment of gingival recession associated with non-cariou cervical lesion with composite resin and connective tissue graft”
Grant Number: 485408/2011-2. Year: 2012
Sponsor: **CNPq - National Council for Scientific and Technological Development**
Role Principal Investigator
Direct Cost: \$ 19,980.00.†
- Project Title: “The influence of low-level therapy on periodontal plastic surgery”
Grant Number: 2012/14595-3. Year: 2011
Sponsor: **FAPESP – São Paulo Research Foundation**
Role Principal Investigator
Direct Cost: \$ 89,000.00.*
- Project Title: “Coronally Positioned Flap Plus Glass Ionomer Restoration for the Treatment of Gingival Recession Associated with Non-Cariou Cervical Lesion: Randomized Controlled Clinical Trial”
Grant Number: 2006/01437-0. Year: 2006

Sponsor: **FAPESP – São Paulo Research Foundation**
Role Associated Researcher
Direct Cost: \$ 32,000.00.*

† Maximum amount available in this category

* FAPESP supports projects up to \$200,000.00

TEACHING ACTIVITIES

São Paulo State University (UNESP) – Brazil

Undergraduate

Periodontics - 2011-Present

Periodontics didactics, pre-clinical, and clinical teaching;

Position: Associate Professor of Periodontics.

Total hours: 135 hours/year

Lectures and classes – Undergraduate Periodontology Program

1. Periodontal Anatomy
2. Epidemiology of Periodontal Diseases
3. Dental Biofilm and Periodontal Infection
4. Pathogenesis of Gingivitis and Periodontitis
5. Mucositis and Perimplantitis
6. Trauma from Occlusion
7. Aggressive Periodontitis
8. Abscesses in the Periodontium
9. Periodontal Wound Healing
10. Clinical Evaluation
11. Comprehensive Periodontal Treatment Plan
12. Non-surgical Periodontal Treatment
13. Antibiotics in Periodontal Therapy
14. Periodontal Regeneration
15. Mucogingival Surgery
16. Procedures for Root Coverage
17. Periodontal and Implant Maintenance

General Dentistry Clinic - 2011-Present

Clinical teaching;

Position: Associate Professor of General Dentistry - Comprehensive Dental Care Clinic. Team leader

Total hours: 270 hours/year

Graduate Program

Periodontics - 2011-Present

Periodontics didactics, pre-clinical, and clinical teaching

Position: Associate Professor of Periodontics.

Total hours: 270 hours/year

Lectures and classes – Graduate Program

1. Periodontology and Implantology Current Literature.
2. Periodontology Classic Literature.
3. New Frontiers and Innovations in Periodontal Plastic Surgery.
4. Randomized Clinical Trials
5. Evidence Based Medicine
6. Scientific Methods in Periodontal Research
7. Applied Statistics
8. Periodontal Microbiology
9. Integrating New Molecular Insights into Clinical Aspect of Host-Microbial Interaction in Infectious Oral Diseases
10. Host-Microbial Interaction in Periodontology

ADMINISTRATIVE APPOINTMENTS

- Co-director of the Oral Biopatology Graduate Program - 2017-Present.
- Director of the Periodontology Graduate Program - 2017-Present.
- Co-chair of the Department of Periodontology São Paulo State University (UNESP) - 2015-2017.
- Co-director of the College of Dentistry-UNESP Research Committee - 2015-2017.
- Member of the undergraduate program counsel - 2014-2015.
- Department Administrative Council Member - 2013-2015.

AWARDS AND HONORS

- 1ST Place Award, Brazilian Society of Dental Research – Poster competition 2018
- Brazilian National Council for Scientific and Technological Development Highly-Productivity Researcher Fellow 2017.
- Research Award – Poster Competition. Brazilian Society of Periodontology - 2015
- 1ST Place Award – Poster competition in clinical research – VII CEAJO - 2015
- Outstanding Young Investigator and Junior Faculty – São Paulo State University – 2013
- 1ST Place Award – Poster competition - 2nd International Meeting of Periodontology – Brazil 2010.
- Academic Award of University of Campinas – Piracicaba Dental School – 2007
- Gold Medal Recipient from College of Dentistry – Ribeirão Preto, University of São Paulo for the Best Restorative Dentistry Undergraduate Student – 1999

MEMBER OF THE SCIENTIFIC ADVISORY BOARD (REVIEWER)

- Journal of Periodontology since 2008.
- International Journal of Dentistry since 2010.
- Clinical Advances in Periodontics since 2013.
- BMC Oral Health since 2015.
- Journal of Advanced Prosthodontics since 2015.
- Journal of Clinical Periodontology since 2015.

- Brazilian Oral Research since 2015.
- Journal of Esthetic and Restorative Dentistry since 2016.
- Clinical Interventions in Aging since 2017.
- Journal of Applied Oral Science since 2017.
- Special Care in Dentistry since 2017.
- Journal of Oral Science since 2017.
- Journal of Cosmetic and Laser Therapy since 2017.
- Journal of Investigative and Clinical Dentistry since 2018.
- Photodiagnosis and Photodynamic Therapy since 2018.
- Clinical Oral Investigations since 2018.
- Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy since 2018.
- Brazilian Journal of Medical and Biological Research since 2019.