

# CURRICULUM VITAE

## 1. Contact information

**Name:** J o a n a R i t a O l i v e i r a F a r i a M a r q u e s

**Birth place and date:** Coimbra, December 7th, 1983

**Citizenship:** Portuguese

**Institutional address:**

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## 2. Personal Statement

I had my first contact with research in Oral Biology during the 2nd year of the DDS degree as a research student, and since then I decided to complement my career as a dentist with the translational view of basic science. I started my PhD in 2010 in Oral Biology focusing the immunological changes in the oral cavity that occur in HIV infection, particularly in HIV-2 infection and how this changes may impact the oral health status of these patients.

I am also interested in the cellular behavior of oral tissues to different conditions and biomaterials. At our cell culture lab we are investigating the behavior of osteoblasts and gingival fibroblasts to diferente biomaterials for implant dentistry and regeneration. Understanding the biological critical factors driving a successful and biomimetic approach for restorative dentistry is our final goal. ”

## 3. Education

**2015:** PhD, Dental Medicine, Oral Biology, Faculty of Dental Medicine University of Lisbon. Thesis title: “Interactions between HIV, microorganisms and innate immune factors in NIH-2 and HIV-1 infection”. Mentor: Prof. Doutor António Mata

**2009:** MSc, Dental Medicine, Faculty of Dental Medicine University of Lisbon, Portugal

**2007:** DDS, Dental Medicine, Instituto Superior de Ciências da Saúde – Sul, Almada, Portugal

### 3. Teaching Experience

2015–present: **Assistant Professor**, Oral Biology and Immunology (Faculty of Dental Medicine University of Lisbon)

2010–2015: **Assistant lecturer**, Oral Biology and Immunology (Faculty of Dental Medicine University of Lisbon)

2007–2010: Senior tutor, Oral Biology and Immunology (Faculty of Dental Medicine University of Lisbon)

2004–2007: Tutor, Oral Biology and Immunology (Instituto Superior de Ciências da Saúde – Sul)

### 4. Research Experience

April – November 2013: **Junior Research Scientist** at Bluestone Center for Clinical Research, and at the Infectious diseases lab (Dr. Malamud lab) – Basic Sciences Department – New York University School of Dentistry.

2007–present: **Researcher**, Oral Biology and Biochemistry Research Group – Dentistry School, University of Lisbon.

2007–present: Member of the Evidence–based Dentistry Center (Dentistry School, University of Lisbon)

2003–2007: Undergraduate research student (Oral Biology Research Group, Instituto Superior de Ciências da Saúde – Sul)

#### 4.1 Publications:

##### *Original Papers in Indexed Journals*

Joana Marques; Patricia M. Corby; Cheryl A. Barber; William R. Abrams; Daniel Malamud. Oral vs salivary diagnostics . Proc. SPIE. 9490, Advances in Global Health through Sensing Technologies 2015, 949004. (May 13, 2015) doi: 10.1117/12.2183327

Silva Marques, D. N; Silveira, João; Marques, Joana; Amaral, J; Guilherme, N; Mata, António. 2012. "Kinetic release of hydrogen peroxide from different whitening products", Eur J Esthet Dent. 7, 3: 344 – 352.

Silva Marques, D. N; Mata, António D. S. P; Silveira, João M. L; Marques, Joana R. O. F; Almeida Rato A. J. P; Guilherme, Nuno F. R. P. M. 2011. "Hydrogen peroxide release kinetics into saliva from different whitening products: a double–blind, randomized clinical trial", Clinical Oral Investigations 16, 1: 155 – 163.

Marques, D., Mata, A. D., Silveira, J., **Marques, J.**, Amaral J., Guilherme, N. "Hydrogen Peroxide Toxicity and Release Kinetics into Saliva from Different Whitening Products: A double blind, randomized clinical trial of safety". Clin Oral Investig. 2011 Jan 8. [Epub ahead of print]

da Mata, A; da Silva M. D; Silveira, JML; **Marques, JROF**; de Melo C. F. E; Guilherme, NFRPM. 2009. "Effects of gustatory stimulants of salivary secretion on salivary pH and flow: a randomized controlled trial", Oral Diseases 15, 3: 220 – 228.

Marques, D; Mata, A; Silveira, J; **Marques, J.** 2008. "Medicina Dentária Baseada na Evidência: Novas opções para velhas práticas ", Revista Portuguesa de Estomatologia, Medicina Dentária e Cirurgia Maxilo-Facial 49, 1: 31 – 37.

**Marques, J**; Marques, D; Mata, A. 2008. "Revisões Sistemáticas: O que são e para que servem ", Revista Portuguesa de Estomatologia, Medicina Dentária e Cirurgia Maxilo-Facial 49, 3: 171 – 178.

Mata, António; Marques, Duarte; Martínez-Burgos, María A; Silveira, João; **Marques, Joana**; Mesquita, Maria F; Pariente, José A; Salido, Gines M; Singh, Jaipaul. 2008. "Effect of hydrogen peroxide on secretory response, calcium mobilisation and caspase-3 activity in the isolated rat parotid gland", Molecular and Cellular Biochemistry 319, 1-2: 23 – 31.

Mata, A; Marques, D.; Martínez-Burgos, M; Silveira, J; **Marques, J**; Mesquita, M; Pariente, J; Salido, G; Singh, J. Magnesium-Calcium Signalling in Rat Parotid Acinar Cells: Effects of Acetylcholine. Molecular and Cellular Biochemistry. 2007, 307: pp 193- 207

#### *Abstracts*

Vieira, A.; **Marques, J.**; Cruz, M.; Mendonça, C.; Marques, D.; Mata, A.. Efeito do peróxido de hidrogénio na viabilidade de células osteoblásticas – estudo piloto. XXXVI Congresso Anual da SPEMD. Revista Portuguesa de Estomatologia e Medicina Dentária, 2016 (*in press*)

**Joana Faria Marques**, Duarte Silva Marques, Miguel Oliveira, Marcos Gil da Veiga, António Duarte Mata. Impacto da infecção por HIV-1 na Qualidade de Vida relacionada com a Saúde Oral. Revista Portuguesa de Estomatologia, Medicina Dentária e Cirurgia Maxilofacial, 52 (4), 2011.

**Marques, J;** , Gonçalves J.; Simões, P.; Mata, A.; Deng, H.; Li, Y.; ,Corby, P.M.; Phelan, J. Immunity, Microorganisms and HIV in the Oral Cavity: Pilot Study. J Dent Res Spec Issue 90(A) 870, 2011

**Marques, J;** Marques, D.; Oliveira, M.; Veiga, M.; Simões, P.; Gonçalves, J.; Malamud, D.; Mata, A. HIV-1 Impact On Oral Health Related Quality Of Life. J Dent Res Spec Issue 90(A) 678, 2011

**Marques, J.F. \*;** Veiga, M., Oliveira, M., Francisco, H., Marques, D., Mata, A. Quality of life changes in HIV-1+ population attending a portuguese dental clinic. J Dent Res Issue 89 Spec Iss B, 3198, 2010

**Marques, J,** Marques D, Silveira J, Amaral J, Cabrita J, Mata A. Efficacy of two customized tray-based at-home bleaching systems: a randomized controlled trial. Clinical Oral Investigations, 2009: 13(1); 74

Silveira J, Marques D, **Marques J,** Guilherme N, Mata A. Efficacy of a novell in office bleaching technique: a pilot study. Clinical Oral Investigations, 2009: 13(1); 74-5

Marques DN, Silveira JM, **Marques JROF,** Amaral JP, Cabrita JR, Mata AD. Efficacy of Adaptable Versus Custom Tray Bleaching: Randomized Controlled Trial.. J Dent Res Issue 87 Spec Iss C, 0397, 2008.

Silveira JM, Marques DN, **Marques JROF,** Felino ETMC, Guilherme NF, Mata AD. Erosion potential and saliva stimulation efficacy of two acidic lozenges. J Dent Res Issue 87 Spec Iss C, 0107, 2008.

Veiga MG, Marques DN, Silveira JM, **Marques JROF,** Guilherme N, Mata AD. Prevalence of dry socket in a Portuguese HIV positive population. J Dent Res Issue 87 Spec Iss C, 0497, 2008.

**Marques JROF\***, Marques, DN, Silveira JM, Cabrita JR, Amaral JP, Mata AD. Safety of Paint On Versus Tray Whitening: Randomized Controlled Trial. J Dent Res Issue 87 Spec Iss C, 0394, 2008.

Mata AD, Marques DN, Silveira JM, **Marques JF,** Huwig A. In vitro peroxide release kinetics of three paint-on whiteners. J Dent Res 2005, 84(Spec Iss B): abstract number 0237 (CED/NOF)

#### 4.2 Research Interests:

- Oral immunology in HIV infection
- Saliva composition in health and disease
- Salivary secretion physiology
- Behavior of oral cells and tissues

#### 4.3 Grants:

2010 Institutional project grant 297/2010, Luso-American Foundation (PI: Professor Doutor António Mata)

#### 4.4 Research Positions:

2007–present: Member of the Oral Biology and Biochemistry Research Group – Dentistry School, University of Lisbon.

2003–2007: Undergraduate research student (Oral Biology Research Group)

#### 5. Other professional experience

2007–present: Private General Dentistry practice in Lisbon.

2007–present: Pro bono clinical practice in general dentistry at ABRAÇO (association for support of HIV-affected people)

#### 6. Professional Affiliations

2016–present: Member of the American Association of Oral Biologists

2016–present: Member of the Association of Basic Science Teachers in Dentistry

2010–present: Salivary Research Group, International Association for Dental Research

2009–Present: Portuguese Society of Stomatology and Dental Medicine

2008–Present: International Association for Dental Research

2007– present: Portuguese Dental Association