

Vera Norberto Malheiro
Corpus Christi College, CB2 1RH, Cambridge, UK,
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EDUCATION

University of Cambridge, Engineering Department, UK

Ph.D.

2009 - Present

Dissertation: "Biological Evaluation of Ferromagnetic Stainless Steels For Bone Growth Stimulation"

University of Minho, 3B's Research Group - Biomimetics, Biomaterials and Biodegradables, PT and University of Trento, BIOtech – Interdepartmental Research Center on Biomedical Technologies, IT

M.Sci.

2007-2008

Thesis: "New Poly(ϵ -Caprolactone)/Chitosan Blend Fibers for Tissue Engineering Applications" / "Polymer blends for biomedical applications"

University of Minho, PT

Undergraduate Degree in Biomedical Engineering

2003-2007

Areas of Concentration: Biomaterials, Biomechanics and Rehabilitation

AWARDS

- PhD Scholarship from the Portuguese Foundation for Science and Technology (FCT - SFRH/BD/60445/2009) **2009 – 2013**
- ERASMUS scholarship **2007 – 2008**

TEACHING EXPERIENCE

University of Cambridge, Engineering Department, UK

Supervision

2010-2011

Supervised a final year undergraduate student in a project involving osteoblasts proliferation onto highly porous fibre network materials

WORK EXPERIENCE

Stematters, Biotechnology and Regenerative Medicine LTD,

AVEPARK - Parque de Ciência e Tecnologia, PT

Internship

2009

Provide support as needed for new product development, including literature review, market trends analysis, intellectual property landscape and regulatory issues. Assist in the design of experimental work for product development.

PUBLICATIONS AND PAPERS

- [Malheiro VN](#), Spear RL, Brooks RA, Markaki AE. Osteoblast and monocyte responses to 444 ferritic stainless steel intended for a Magneto-Mechanically Actuated Fibrous Scaffold. *Biomaterials*, 2011, 32(29), pp.6883-6892.
- [Malheiro VN](#), Caridade SG, Alves NM, Mano JF. New poly(epsilon-caprolactone)/chitosan blend fibers for tissue engineering applications. *Acta Biomaterialia*, 2010, 6 (2), pp.418-428.
- Abreu AC, Sobral JMC, Meireles S, [Malheiro VN](#), Flores P. Dynamic response of human body in

impact conditions. Actas do 2º Encontro Nacional de Biomecânica, Hotel da Cartuxa, Évora, Fevereiro 8-9, 2007, pp.183 -188.

CONFERENCES & SEMINARS

Poster Presentation:

- Vera N. Malheiro, R.L. Spear, R.A. Brooks, AE Markaki, "Osteoblast and Monocyte Responses to 444 Ferritic Stainless Steel intended for a Magneto-Mechanically Actuated Fibrous Scaffold", Mechanics, Materials and Design Transferable Skills Graduate Conference 2011, Cambridge, May 2011.
- Vera N. Malheiro, Sofia G. Caridade, Natalia M. Alves and João F. Mano, "Development Of A New Poly(ϵ -caprolactone)/Chitosan Blend Fibers for Tissue Engineering Applications", Termis 2009 WC, Korea (south), September 2009.

Oral Presentation:

- Vera N. Malheiro, R.L. Spear, J. M. Sobral, TW Clyne, R.A. Brooks, AE Markaki, "Biological response of human osteoblasts to ferritic stainless steel surfaces", International Bone-Tissue-Engineering Congress 2010 (bone-tec 2010), Germany, October 2010.

LANGUAGES

- Portuguese – native language
- English – fluent
- Spanish and Italian – intermediate
- French - elementary