

Curriculum Vitae

Personal Information

Name: Liliana Raquel Fernandes Pires

Date and place of Birth: 27th October 1980, Melgaço – Portugal

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Academic Degrees

July 2014 → PhD in Biomedical Engineering at Faculty of Engineering, University of Porto (Portugal)

December 2007 → MSc in Biomedical Engineering – Biomaterials at Aveiro University (Portugal).

September 2003 → Graduation in Biochemistry at Science and Technology Faculty – Coimbra University (Portugal) with the final mark of 14/20.

Scientific activities

Since June 2015 → Research Fellow at INL (International Iberian Nanotechnology Laboratory) [Nanotraining for growth program - COFUND Marie Curie Action, European Commission's 7th Framework Programme].

January 2013 – July 2014 → Research technician at INEB on the project BIOAMD "Biomaterials for modulation of inflammation in Age Related Macular Degeneration" [Fundacion General CSIC, principal investigator: Ana Paula Pêgo].

November 2009 – April 2010 → Visiting researcher at the ICBM (Institute of Composite and Biomedical Materials, National Research Council, Naples, Italy).

January 2009 – July 2014 → Ph.D. student at INEB (Instituto Nacional de Engenharia Biomédica, Porto, Portugal) on the project "Bridging the lesion – engineering a permissive substrate towards nerve regeneration" [FCT (SFRH/BD/46015/2008)]. Work supervised by Ana Paula Pêgo (INEB) and co-supervised by Luigi Ambrosio (CNR, ICBM).

August 2008 – November 2008 → Research assistant at INEB on the project "NERBIOS: development of a bio-electrochemical device for central nervous system repair" [6th Framework program].

February 2006 – August 2008 → Research assistant at Biomaterials Division of INEB (Instituto Nacional de Engenharia Biomédica, Porto, Portugal) on the project VECTOR: "Biomaterials-based vectors for targeted gene delivery to the peripheral nervous system" [FCT (POCI/SAU-BMA/58170/2004), principal investigator: Ana Paula Pêgo].

March 2004 – February 2005 → Research assistant at CICECO – Aveiro University (Portugal) on the subject "Synthesis and characterization of ruthenium (II) polypyridyl complexes – DNA interactions", under the supervision of Júlio Pedrosa de Jesus and Teresa Santos.

October 2002 – September 2003 → Research trainee in Pharmacology and Experimental Therapeutics Institute – Medicine Faculty at Coimbra University. This traineeship was carried out under supervision of Professor Frederico Teixeira and Professor Paula Tavares and gave rise to a thesis entitled "Regulation of nitric oxide and eucosanoids production by de angiotensin receptors. Application to the arterial hypertension study".

Academic experience

September 2014 – February 2015 → Invited assistant professor at Faculty of Engineering (University of Porto) in the practical course: Regeneration and Repair of tissues (4 hrs /week).

Publications

THESIS

- **LR Pires** "Bridging the lesion – Engineering a permissive substrate towards nerve regeneration". PhD thesis. University of Porto, Portugal. July, 2014.
- **LR Pires** "Chitosan gene delivery: from intracellular trafficking to gene expression". MSc thesis. University of Aveiro, Portugal. December, 2007.

PAPERS IN INTERNATIONAL SCIENTIFIC PERIODICALS WITH REFEREES

- CDF Lopes, H Oliveira, I Estevão, **LR Pires**, AP Pêgo. "In vivo targeted gene delivery to peripheral neurons mediated by neurotropic poly(ethylene imine)-based

nanoparticles". *International Journal of Nanomedicine* 11: 2675-2683 (2016). DOI: 10.2147/IJN.S104374.

- **LR Pires**, F Marques, JC Sousa, J Cerqueira, I Mendes-Pinto. "Nano- and micro-based systems for immunotolerance induction in Multiple Sclerosis". *Human Vaccines and Immunotherapeutics* 12 (7): 1886-90 (2016). DOI: 10.1080/21645515.2016.1138190.
- **LR Pires**, AP Pêgo. "Bridging the lesion—engineering a permissive substrate for nerve regeneration". *Regenerative Biomaterials* 2 (3): 203-214 (2015). DOI: 10.1093/rb/rbv012.
- **LR Pires**, DN Rocha, L Ambrosio, AP Pêgo. "The role of the surface on microglia function – implications for the central nervous system tissue engineering". *Journal of Royal Society Interface*, 12(103): 20141224 (2015). DOI: 10.1098/rsif.2014.1224.
- **LR Pires**, V Guarino, MJ Oliveira, CC Ribeiro, MA Barbosa, L Ambrosio, AP Pêgo. "Ibuprofen-loaded poly(trimethylene carbonate-co-ε-caprolactone) electrospun fibers for nerve regeneration". *Journal of Tissue Engineering and Regenerative Medicine*. 10(3): E154 (2016). DOI: 10.1002/term.1792.
- **LR Pires**, H Oliveira, CC Barrias, P Sampaio, AJ Pereira, H Maiato, S Simões, AP Pêgo. "Imidazole-grafted chitosan mediated gene delivery: *in vitro* study on transfection, intracellular trafficking, and degradation". *Nanomedicine*, 6(9): 1499-1512 (2011). DOI: 10.2217/nnm.11.51.
- H Oliveira, **LR Pires**, R Fernandez, MCL Martins, S Simões, MA Barbosa, AP Pêgo. "Chitosan-based gene delivery vectors targeted to the peripheral nervous system". *Journal of Biomedical Materials Research Part A*, 95A: 801-810 (2010). DOI: 10.1002/jbm.a.32874.
- H Oliveira, R Fernandez, **LR Pires**, MCL Martins, S Simões, MA Barbosa, AP Pêgo. "Targeted gene delivery into peripheral sensorial neurons mediated by self-assembled vectors composed of poly(ethylene imine) and tetanus toxin fragment c". *Journal of Controlled Release*, 143(3): 350-358 (2010). DOI: 10.1016/j.jconrel.2010.01.018.
- C Moreira; H Oliveira, **LR Pires**, S Simões, MA Barbosa and AP Pêgo" Improving chitosan-mediated gene transfer by the introduction of intracellular buffering moieties into the chitosan backbone". (2009) *Acta Biomaterialia*, 5(8): 2995-3006. DOI 10.1016/j.actbio.2009.04.021.

PAPERS IN CONFERENCE PROCEEDINGS

- **LR Pires**, CDF Lopes, DN Rocha, L Ambrosio, MM Sousa, AP Pêgo; "Ibuprofen-loaded scaffolds for spinal cord injury regeneration – targeting RhoA at the lesion site". 26th European Conference on Biomaterials. 30 August - 3 September 2014 (Liverpool, United Kingdom).
- E Chinarro, **LR Pires**, AP Pêgo, B Moreno; "Implantable hybrid composite for reducing inflammation in age related macular degeneration". 26th European

Conference on Biomaterials. 30 August - 3 September 2014 (Liverpool, United Kingdom).

- **LR Pires**, DN Rocha, L Ambrosio, AP Pêgo; "Topography effect on microglia in the context of spinal cord regeneration". 25th European Conference on Biomaterials. 8-13 September 2013 (Madrid, Spain).
- **LR Pires**, MJ Oliveira, V Guarino, MA Barbosa, L Ambrosio, AP Pêgo; "Nerve guides - the role of topography on monocyte differentiation". TERMIS 2012. 5-8 September 2012 (Vienna, Austria). *Journal of Tissue Engineering and Regenerative Medicine*, 2012; 6 (Supplement: 1): 77.
- **LR Pires**, MJ Oliveira, V Guarino, MA Barbosa, L Ambrosio, AP Pêgo; "The effect of surface morphology on monocyte differentiation". 9th World Biomaterials Congress. 1-5 June 2012 (Chengdu, China).
- **LR Pires**, MJ Oliveira, V Guarino, MA Barbosa, L Ambrosio, AP Pêgo; "Ibuprofen release from poly(trimethylene carbonate-co-caprolactone) electrospun fibers – anti-inflammatory effect on human macrophages". 24th European Conference on Biomaterials. 4-8 September 2011 (Dublin, Ireland).
- **LR Pires**, V Guarino, CC Barrias, L Ambrosio, AP Pêgo; "Tuning poly(trimethylene carbonate-co- ϵ -caprolactone) fibers for nerve regeneration". TERMIS, EU 2011 Annual Meeting. 7-10 June 2011 (Granada, Spain). *Histology Histopathology*. 2011; 26(Supplement 1):251-252.
- **LR Pires**, V Guarino, CC Barrias, L Ambrosio, AP Pêgo; "Anti-inflammatory drug loaded electrospun poly(trimethylene carbonate-co- ϵ -caprolactone) fibers for nerve regeneration". 23rd European Conference on Biomaterials. 11-15 September 2010 (Tampere, Finland).
- **LR Pires**, MA Barbosa, AP Pêgo; "The role of chitosan degradation in chitosan-mediated gene delivery". 22nd European Conference on Biomaterials; 7-11 September 2009 (Lausanne, Switzerland).
- **LR Pires**, MA Barbosa and AP Pêgo; "Tracking Chitosan -DNA Complexes: Getting Clues to Improve Transfection". 8th World Biomaterials Congress. 28 May - 1 June 2008 (Amsterdam, The Netherlands).
- **LR Pires**, H Oliveira, MA Barbosa, AP Pêgo; "Chitosan nanoparticles for the delivery of genes toward tissue regeneration". NanoSpain 2008/ NanoIberian Conference. 14-18 April 2008 (Braga, Portugal).
- **LR Pires**, MA Barbosa and AP Pêgo; "Sustained gene expression after imidazole-grafted chitosan mediated gene delivery". Innovation in drug delivery: From biomaterials to devices. 30 September-3 October 2007 (Naples, Italy).
- C Moreira, **L Pires**, H Oliveira, MA Barbosa and AP Pêgo; "Imidazole-grafted chitosan mediated gene delivery". 7th International Symposium on Frontiers in Biomedical Polymers. 24-27 June 2007 (Ghent, Belgium).

Communications

ORAL COMMUNICATIONS

- **LR Pires**, B Espiña, V Vilas-Boas, F Carvalho, M Bañobre, I Pinto "INL Therapeutics: innovative systems for the induction of immunotolerance and selective cell death" TNT2015. 7 – 11 September 2015 (Toulouse, France).
- **LR Pires**, CDF Lopes, DN Rocha, L Ambrosio, MM Sousa, AP Pêgo "Ibuprofen-loaded scaffolds for spinal cord injury regeneration – targeting RhoA at the lesion site" 5th China-Europe Symposium on Biomaterials in Regenerative Medicine. 7-10 April 2015 (Hangzhou, China) – Young Scientist Award to AP Pêgo.
- **LR Pires**, CDF Lopes, DN Rocha, L Ambrosio, MM Sousa, AP Pêgo; "Ibuprofen-loaded scaffolds for spinal cord injury regeneration – targeting RhoA at the lesion site". 26th European Conference on Biomaterials. 30 August - 3 September 2014 (Liverpool, United Kingdom).
- DN Rocha, **LR Pires**, P Brites, AP Pêgo; "Poly (trimethylene carbonate-co-ε-caprolactone)'s nanomechanical properties promote axonal growth taming myelin inhibition". Neuroscience 2013 (43rd Annual Meeting of the Society for Neurosciences). 9-13 November 2013 (San Diego, CA).
- **LR Pires**, DN Rocha, L Ambrosio, AP Pêgo; "Topography effect on microglia in the context of spinal cord regeneration". 25th European Conference on Biomaterials. 8-13 September 2013 (Madrid, Spain).
- **LR Pires**, MJ Oliveira, V Guarino, MA Barbosa, L Ambrosio, AP Pêgo; "The effect of surface morphology on monocyte differentiation". 9th World Biomaterials Congress. 1-5 June 2012 (Chengdu, China).
- **LR Pires**, MJ Oliveira, V Guarino, MA Barbosa, L Ambrosio, AP Pêgo; "Ibuprofen release from poly(trimethylene carbonate-co-ε-caprolactone) electrospun fibers – anti-inflammatory effect on human macrophages". 24th European Conference on Biomaterials. 4-8 September 2011 (Dublin, Ireland). – *rapid fire presentation*.
- **LR Pires**, V Guarino, CC Barrias, L Ambrosio, AP Pêgo; "Tuning poly(trimethylene carbonate-co-ε-caprolactone) fibers for nerve regeneration". TERMIS, EU 2011 Annual Meeting. 7-10 June 2011 (Granada, Spain).
- **LR Pires**, MA Barbosa and AP Pêgo; "Tracking Chitosan -DNA Complexes: Getting Clues to Improve Transfection". 8th World Biomaterials Congress. 28 May – 1 June 2008 (Amsterdam, The Netherlands).
- **LR Pires**, MA Barbosa and AP Pêgo; "Sustained gene expression after imidazole-grafted chitosan mediated gene delivery". II Encontro Nacional de Pós-Graduação em Ciências Biológicas. 4-6 June 2007 (Porto, Portugal).
- P Tavares, **L Pires**, F Teixeira: "Relation between platelet TXA₂ and NO production in hypertension. Influence of angiotensin receptors". XXXIV Reunião da Sociedade Portuguesa de Farmacologia. 4-6 December 2003 (Coimbra, Portugal).

➤ P Tavares, L Ponte, LG Rocha, **L Pires**, F Teixeira; "Regulation of the NO/ cGMP pathway by angiotensin receptors. Effects and implications in arterial hypertension". XXXIII Reunião da Sociedade Portuguesa de Farmacologia. 3-5 December 2002 (Lisbon, Portugal).

ORAL COMMUNICATIONS BY INVITATION

➤ **LR Pires**; "Estratégias terapêuticas com base em biomateriais – exemplos aplicados ao sistema nervoso". Jornadas de Biomecânica, Instituto Politécnico de Leiria. 13 April 2016 (Leiria, Portugal).

➤ **LR Pires**, and AP Cardoso; "Maneuvering in the BioMaterials field". Semana de Engenharia Biomédica, Escola Superior de Tecnologia de Setúbal / Instituto Politécnico de Setúbal. 9 November 2011 (Setúbal, Portugal).

POSTERS IN CONFERENCES

➤ **LR Pires**, H Fonseca, PP Freitas, J Gaspar; "Fabrication of biodegradable microneedle patches for drug delivery". 6th China-Europe Symposium on Biomaterials in Regenerative Medicine. 21-24 May 2017 (Porto, Portugal).

➤ **LR Pires**, R Gill, H Fonseca, R Dias, P Freitas, J Gaspar; "Fabrication of biodegradable microneedles for peptide delivery". NanoPT 2016. 16-19 February 2016 (Braga, Portugal).

➤ E Chinarro, **LR Pires**, AP Pêgo, B Moreno; "Implantable hybrid composite for reducing inflammation in age related macular degeneration". 26th European Conference on Biomaterials. 30 August - 3 September 2014 (Liverpool, United Kingdom).

➤ **LR Pires**, H Oliveira, CC Barrias, P Sampaio, AJ Pereira, H Maiato, S Simões, AP Pêgo; "Chitosan-mediated gene delivery: snapshots on nanoparticle intracellular trafficking". Bioimaging, 20-21 September 2012 (Porto, Portugal).

➤ A Sadio, V Camilo, C Gomes, **LR Pires**, L David, AP Pêgo, R Almeida; "Downregulation of CDX2 expression in gastric cells using chitosan/siRNA nanoparticles – A strategy to revert gastric intestinal metaplasia". XXVth International Workshop on Helicobacter and related bacteria in chronic digestive inflammation and gastric cancer; 13-15 September 2012 (Ljubljana, Slovenia).

➤ **LR Pires**, V Guarino, MJ Oliveira, MA Barbosa, L Ambrosio, AP Pêgo; "Nerve guides – the role of topography on monocyte differentiation". TERMIS World Congress, 5-8 September 2012 (Vienna, Austria).

➤ **LR Pires**, V Guarino, MJ Oliveira, MA Barbosa, L Ambrosio, AP Pêgo; "Playing engineer – building up bridges for nerve regeneration". 1st Advanced Summer School – Interrogations at the Biointerface. 20-23 June 2011 (Porto, Portugal).

- **LR Pires**, V Guarino, CC Barrias, L Ambrosio, AP Pêgo; "Designing poly(trimethylene carbonate-co.ε-caprolactone) nanofibers for nerve regeneration". XII Meeting of the Portuguese Neuroscience Society. 26-28 May 2011 (Lisbon, Portugal).
- **LR Pires**, V Guarino, CC Barrias, L Ambrosio, AP Pêgo; "Anti-inflammatory drug loaded electrospun poly(trimethylene carbonate-co-e-caprolactone) fibers for nerve regeneration". 23rd European Conference on Biomaterials. 11-15 September 2010 (Tampere, Finland).
- **LR Pires**, MA Barbosa, AP Pêgo; "The role of chitosan degradation in chitosan-mediated gene delivery". 22nd European Conference on Biomaterials. 7-11 September 2009 (Lausanne, Switzerland).
- **LR Pires**, H Oliveira, S Simões, MA Barbosa, AP Pêgo; "Chitosan for gene delivery: polymer degradation and complex disassembling". 10th Advanced Course on Cell-Materials Interactions: Self-Assembly: from nature to clinics. 22 - 26 June 2009 (Porto, Portugal).
- **LR Pires**, H Oliveira, S Simões, MA Barbosa, AP Pêgo; "Chitosan, degree of deacetylation and transfection efficiency – the role of degradation". 2nd European Summer School in Nanomedicine. 12 - 16 June (Lisbon, Portugal).
- **LR Pires**, H Oliveira, MA Barbosa, AP Pêgo; "Chitosan nanoparticles for the delivery of genes toward tissue regeneration". NanoSpain 2008/ NanoIberian Conference. 14-18 April 2008 (Braga, Portugal).
- **LR Pires**, MA Barbosa and AP Pêgo; "Sustained gene expression after imidazole-grafted chitosan mediated gene delivery". Innovation in drug delivery: From biomaterials to devices. 30 September-3 October, 2007 (Naples, Italy).
- C Moreira, **L Pires**, H Oliveira, MA Barbosa and AP Pêgo; "Imidazole-grafted chitosan mediated gene delivery". 7th International Symposium on Frontiers in Biomedical Polymers. 24-27 June 2007 (Ghent, Belgium).
- **LR Pires**, AP Pêgo; "Chitosan-based vector gene delivery: a stability study". 8th Advanced Course on Cell-Materials Interactions: inflammation in tissue repair and regeneration. 18-22 June 2007 (Porto, Portugal).
- **L Pires**, C Moreira, H Oliveira, AP Pêgo; "*In vitro* evaluation of gene delivery mediated by imidazole-grafted chitosan". 7th Advanced Course on Cell-Materials Interactions: Regenerative Medicine. 19-23 June 2006 (Porto, Portugal).
- L Rocha, **L Pires**, BJ Goodfellow, TM Santos, JP Jesus; "Synthesis and Characterization of Metallosupramolecular Structures Containing Ruthenium Polypyridyl Complexes". Encontro anual do CICECO; January 2005 (Aveiro, Portugal).

Scientific meetings, courses and conferences

- 6th China-Europe Symposium on Biomaterials in Regenerative Medicine. 21-24 May 2017 (Porto, Portugal).

- NNT 2016 – The 15th International Conference on Nanoimprint and Nanoprint Technology. 26-28 September 2016 (Braga, Portugal).
- NanoPT 2016. 16-19 February 2016 (Braga, Portugal).
- TNT2015. 7-11 September 2015 (Toulouse, France).
- “Terapias oncológicas avanzadas”. 15-16 October 2014 (Madrid, Spain).
- 26th European Conference on Biomaterials. 30 August - 3 September 2014 (Liverpool, United Kingdom).
- 25th European Conference on Biomaterials. 8-12 September 2013 (Madrid, Spain).
- Bioimaging: International Symposium in Applied Bioimaging – Bridging development and application, 20-21 September 2012 (Porto, Portugal).
- TERMIS World Congress, 5-8 September 2012 (Vienna, Austria).
- Caracterização por Análise Térmica de Polímeros e Compósitos promoted by Paralab/ Netzsch. 20 September 2011 (Porto, Portugal).
- 24th European Conference on Biomaterials. 4-8 September 2011 (Dublin, Ireland).
- 1st Advanced Summer School – Interrogations at the Biointerface. 20-23 June 2011 (Porto, Portugal).
- TERMIS, EU 2011 Annual Meeting. 7-10 June 2011 (Granada, Spain).
- XII Meeting of the Portuguese Neuroscience Society. 26-28 May 2011 (Lisbon, Portugal).
- 1st International Spinal Cord Repair Meeting. 25-26 March 2011 (Barcelona, Spain).
- 23rd European Conference on Biomaterials. 11-15 September 2010 (Tampere, Finland).
- 22nd European Conference on Biomaterials. 7-11 September 2009 (Lausanne, Switzerland).
- 10th Advanced Course on Cell-Materials Interactions: Self-Assembly: from nature to clinics. 22-26 June 2009 (Porto, Portugal).
- 2nd European Summer School in Nanomedicine. 12-16 June 2009 (Lisbon, Portugal).
- 9th Advanced Course on Cell-Materials Interactions: Bioinspired matrices for tissue regeneration. 16-20 June 2008 (Porto, Portugal).
- 8th World Biomaterials Congress. 28 May-1 June 2008 (Amsterdam, The Netherlands).
- NanoSpain 2008/ NanoIberian Conference. 14-18 April 2008 (Braga, Portugal).
- 1ª Curso Avançado em Microscopia Electrónica para as Ciências da Vida. 31 January-1 February, 14 February – 15 February 2008 (Aveiro, Portugal).
- International Symposium: Nanotechnology in medicine: Diagnosis and therapy. 12-13 November 2007 (Vigo, Spain).

- Innovation in drug delivery: From biomaterials to devices. 30 September-3 October, 2007 (Naples, Italy).
- 8th Advanced Course on Cell-Materials Interactions: Inflammation in tissue repair and regeneration. 18-22 June 2007 (Porto, Portugal).
- II Encontro Nacional de Pós-Graduação em Ciências Biológicas. 4-6 June 2007 (Porto, Portugal).
- 7th Advanced Course on Cell-Materials Interactions: Regenerative Medicine. 19-23 June 2006 (Porto, Portugal).
- Tamanho e forma de partículas – Teoria e aplicações, promoted by Paralab/Malvern. 26 September 2006 (Porto, Portugal).
- 1st Workshop on Advanced Light Microscopy and Flow Cytometry. 7-11 November 2005 (Porto, Portugal).
- 6th Advanced Course of Cell-Material Interactions – At molecular level. 20-24 June 2005 (Porto, Portugal).
- 5th Advanced Course of Cell-Material Interactions. 5-9 June 2004 (Porto, Portugal).
- Seminário “Aplicações da Citometria de fluxo na biologia, saúde e ambiente”. May 2004 (Aveiro, Portugal).

Other courses

- From Lab to the market – the next step for INL’s researchers. Porto Business School, June 2016 – 40 hrs lecture (Braga, Portugal).
- Science and Engineering Entrepreneurship workshop – Learning by Doing. 18-22 July 2011 (University of Porto, Portugal).
- Course in Laboratory Animal Science (FELASA, Category C). September 2010 (Porto, Portugal).

Participation in projects

- Since Jun 2015 – principal investigator

Development and Application of Microneedles to Induce Immunotolerance in the Context of Multiple Sclerosis (NanoTrainForGrowth CoFUND program - European Union’s Seventh Framework Programme for research, grant agreement no 600375)

- Jan 2013 - July 2014 – Member of the team

BIOAMD – Biomaterials for modulation of inflammation in Age Related Macular Degeneration (Fundacion General CSIC)

- May 2012 – December 2014 – Member of the team

TUMORTAG – Tumor-targeted nanoparticles for early diagnosis of gastric cancer (FCT: PTDC/CTM-NAN/120958/2010).

- April 2011 – September 2014 – Member of the team

TARGETS – TARgeted GENE Therapy Strategies to treat nerve injury (FCT: PTDC/CTM-NAN/115124/2009).

- April 2011 - September 2014 – Member of the team

DENDRIMAT – New materials for drug/gene delivery based on the self-assembly of dendrimer-chitosan-single stranded (FCT: DNAPTDC/CTM-NAN/112428/2009).

- February 2006 - August 2008 - Member of team

VECTOR – Biomaterials-based vectors for targeted gene delivery to the peripheral nervous (FCT: POCI/SAU-BMA/58170/2004).

Supervision experience

October 2010 - September 2011 – Co-supervision of Aida Moreira (Departamento de Biologia, Faculdade de Ciências da Universidade do Porto) in the framework of her graduation project entitled "Gene delivery mediated by N-trimethyl chitosan". Work supervised by Dr. Ana Paula Pêgo (INEB).

Other scientific activities

- Participation in outreach activities at INL (since September 2015);
- Participation in events to enhance public awareness of science (March 2007-June 2014);
- Organization of the Journal Club at INEB (March - September 2008).

Prizes and awards

- EDA – European Doctoral Award – European Society of Biomaterials. July 2014.

- Best poster award – 7th Advanced Course on Cell-Materials Interactions: Regenerative Medicine. 19-23 June 2006 (Porto, Portugal).