

Personal information |

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Summary |

I am very curious about the physical processes that govern the world around us and, more specifically, understanding the physics that occur within the human body is something that has always caught my attention. I believe that the skills I have developed and the type of situations that I have dealt with while working in different fields in the past few years have helped me to become not only a better researcher but also a better person.

My main non-academic interests include reading sci-fi books, going to the gym and listening to podcasts.

Education |

Mar 2019	PhD in Biomedical Engineering and Biophysics
Present	Institute of Biophysics and Biomedical Engineering (IBEB), Lisbon, Portugal Trying to improve TTFIELDS therapy considering biological tissue heating. Supervised by Dr. Pedro Cavaleiro Miranda (IBEB/FCUL).
Sep 2013	Integrated Master in Biomedical Engineering and Biophysics
Oct 2018	Faculty of Sciences, University of Lisbon (FCUL), Lisbon, Portugal Master's profile: Radiation in Diagnosis and Therapy. BSc grade: 17 out of 20. MSc grade: 18 out of 20.

Investigation experience |

Oct 2018	Research fellowship
Dec 2018	Institute of Biophysics and Biomedical Engineering (IBEB), Lisbon, Portugal Three months grant to continue developing the work I have done during my master thesis.
Sep 2017	Master thesis project
Sep 2018	Institute of Biophysics and Biomedical Engineering (IBEB), Lisbon, Portugal Studying the temperature increases of head tissues during Tumor Treating Fields (TTFIELDS) therapy using computational simulations. Final grade: 20 out of 20.
July 2016	Research internship
Sep 2016	Hospital da Luz, Lisbon, Portugal Understanding how the coordinates of the point used to monitor patient's position in external radiotherapy changes since it is chosen during the planning CT until it is used during treatment. Final grade: 19 out of 20.

Professional experience |

Oct 2017	Tutor
Jun 2018	Explicolândia-Alvalade, Lisbon, Portugal Tutor of maths, physics and chemistry to middle and high school students.
Jul 2015	Call-center agent
Sep 2015	Connecta Group, Lisbon, Portugal Disclosure and sale of Medicare products and services through outbound contacts.
Jul 2014	Call-center agent
Sep 2014	Yourvoice, Lisbon, Portugal Disclosure and sale of NOS products and services through outbound contacts.

Volunteer experience |

Jan 2018	Translator and Transcriber
Jun 2018	Transcribed and/or translated TED talks to english/portuguese. TED profile: https://www.ted.com/profiles/9342626/translator
Dec 2017	Sales Assistant Faculty of Sciences, University of Lisbon (FCUL), Lisbon, Portugal Raised funds for the people in need by selling donated goods at the Christmas fair.

Certifications and Awards |

2017 – **Academic Merit Certificate**, Faculty of Sciences, University of Lisbon (FCUL)
2016 – **Certified SolidWorks Associate**, Dassault Systèmes, License C-YZ9KL98U88
2016 – **Academic Merit Certificate**, Faculty of Sciences, University of Lisbon (FCUL)
2015 – **Academic Merit Certificate**, Faculty of Sciences, University of Lisbon (FCUL)
2014 – **Academic Merit Certificate**, Faculty of Sciences, University of Lisbon (FCUL)

Languages |

Portuguese – Native speaker
English – **Speaking:** Good; **Writing:** Good; **Conversation:** Good;
Gujarati – **Speaking:** Basic; **Writing:** Basic; **Conversation:** Basic;

Hard Skills |

Software: COMSOL Multiphysics, Microsoft Office, SolidWorks, LaTeX, Visio;
Programming languages: Matlab, basic knowledge of R and C++;
Operating systems: Microsoft Windows, basic knowledge of Linux;

Soft Skills |

- Very **focused** on my goals: throughout my college years I was one of the best students having achieved good grades in different areas of study;
- Ability to work with different teams and to **communicate** with different types of people: having worked in two different call-centers made me understand how I can adapt to others' way of thinking to improve our team results;
- **Patience:** dealing with younger students and finding new ways to teach them was a skill that I have developed throughout the year I was a tutor.

Work presented |

- **N. Gentil**, “The thermal impact of Tumor Treating Fields”, 11th Workshop on Biomedical Engineering, 6 Apr 2019, Lisbon, Portugal (Oral presentation);
- **N. Gentil**, R. Salvador and P. C. Miranda, “Heating of head tissues during TTFIELDS therapy: a computational study”, American Association for Cancer Research, 29 Mar – 3 Apr 2019, Atlanta, Georgia, USA (Poster presentation);
- S. Fernandes, A. Callejon, **N. Gentil** and P. C. Miranda, "Otimização do campo elétrico em estimulação não-invasiva do cérebro e da medula espinhal", Ciência 2018, 2-4 July 2018, Lisbon, Portugal (Oral presentation by S. Fernandes);
- **N. Gentil**, S. Germano, S. Faustino, A. Rocha, C. Miguel, C. Machado, F. Mascarenhas and T. Antunes, “Reproducibility of an optical surface scanning system used for patient positioning verification in external radiotherapy”, Proteção Radiológica na Saúde, 27-29 Sep 2017, Lisbon, Portugal (Poster);
- **N. Gentil**, S. Germano, S. Faustino, A. Rocha, C. Miguel, C. Machado, F. Mascarenhas and T. Antunes, “Monitorização da respiração em radioterapia externa: reprodutibilidade do ponto primário para um sistema de monitorização de imagem superficial", Sociedade Portuguesa de Radioterapia Oncologia, 2-3 June 2017, Porto, Portugal (Oral presentation);
- **N. Gentil** and D. Leitão, “PET-MRI patents review”, PSMR 2017, 29-31 May 2017, Lisbon, Portugal (Poster presentation);