





Francisco Santos

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Introduction

I am a bioengineer with a solid foundation in biochemistry, nanotechnology, and biomaterials. I have a passion for solving complex problems and am constantly seeking new challenges and opportunities to expand my knowledge and skills. I am excited to bring my expertise and love of learning to a dynamic and innovative group where I can make a meaningful contribution to the field.

Education

Instituto Superior Técnico

Master's Degree in Bioengineering and Nanosystems
September 2020 – December 2022

- Classification: 19 out of 20 – Graduated Best in Class

Universidade da Madeira

Bachelor's Degree in Biochemistry
September 2017 – July 2020

- Classification: 19 out of 20 – Graduated Best in Class

Experience

Madeira Chemistry Research Centre – CQM

Junior Researcher · Internship

November 2017 – July 2020, Madeira – Portugal

Developed research in the field of dendrimer science, collaborating in the synthesis and characterization (UV-Vis, FTIR, NMR, MS, EA) of novel dendrimers and organometallic compounds. Coauthored two poster communications presented at international conferences and one scientific article in a peer-reviewed journal.

Publications

Article

New insights on ruthenium(II) metallodendrimers as anticancer drug nanocarriers: from synthesis to preclinic behaviour

Journal of Materials Chemistry B, 2022, 10, 8945-8959

Dina Maciel; Nádia Nunes; Francisco Santos; Yu Fan; Gaoming Li; Mingwu Shen; Helena Tomás; Xiangyang Shi; João Rodrigues

Posters

Tribomechanical behaviour of gamma-irradiated Nomex® reinforced poly(vinyl alcohol)-based hydrogels for articular cartilage replacement

IBERTTRIB 2022 - 11th Iberian Conference on Tribology, 2022

Francisco Santos; Andreia Sofia Oliveira; Célio Pina; Ana Paula Serro

Synthesis and Characterization of Low Generation of Sulfonated and Carboxylated Poly(Alkylideneamine) Dendrimers

IDS11 - 11th International Dendrimer Symposium, 2019

Francisco Santos; Dina Maciel; João Rodrigues

Copper (II) complexes formed in the presence of low generation poly(alkylideneamine) dendrimers: a UV-Vis study

MAD-Nano18, 2018

Francisco Santos; Dina Maciel; João Rodrigues