



J. Miguel Oliveira, 43 years old (M), Biochemist has concluded his PhD (Materials Science and Technology - Tissue Engineering and Hybrid Materials) in June 2009. Over the years, Dr. Miguel Oliveira has made outstanding contributions to the field of natural-based biomaterials for use in tissue engineering and regenerative medicine (TERM). The research contributions of Dr. Oliveira in the biomaterials field are impressive, covering natural origin polymers (e.g. chitin, chitosan, silk fibroin, gellan gum, ulvan, carragenan, and hyaluronic acid) and ceramics that in many cases he originally proposed for a range of biomedical applications, including drug delivery carriers for stem cells' differentiation, hydrogels for cell encapsulation and use in cartilage, bone, peripheral nerve and intervertebral disc regeneration and for controlling the segmental vascularization in different tissues (e.g. meniscus and osteochondral tissue). It is truly remarkable the range of processing routes proposed in developing a whole range of multi-scale structures spanning from micro-/nano-particles (e.g. dendrimers), micro-/nano-fibers, membranes, beads, scaffolds, conduits and hydrogels. He really moved these hierarchical materials into a range of new possibilities of application; being listed among the TOP 50 worldwide experts in Tissue engineering (Expertscape: <https://expertscape.com/ex/tissue+engineering>).

Dr. Oliveira is the Principal Investigator (Permanent staff) (<https://3bs.uminho.pt/users/migueloliveira>) of a new research line within the PT Associate Laboratory ICVS/3B's (University of Minho - PT) on Multi-functional Dendrimeric Macromolecular Systems for Application in Theranostics of Cancer and Multi-Tissue In Vitro 3D Tumor Models on a Chip. Since Dec. 2018, he is Vice-President of I3Bs at University of Minho. He is the Director of Pre-Clinical Research at the FIFA MEDICAL CENTER (Estádio do Dragão, Porto, PT since Feb. 2013) and Director of Basic Science of the new D. Henrique Research Centre (Porto - PT).

Dr. Oliveira is Lecturer in Doctoral Program in Tissue Engineering, Regenerative Medicine and Stem Cells (TERM&SC; <https://termc.3bs.uminho.pt/content/about-programme>) at UM, PT (since 2014).

He has been nominated for integrating the National Ethics Committee for Clinical Research (CEIC), Serviço Nacional de Saúde (SNS), Portugal for the period of 2020-2023.

Dr. Oliveira is a prolific and committed mentor having directly mentored PhDs, graduate, undergraduate, and high school students, technicians and visiting scholars. Currently, he supervises or co-supervises 1 MSc and 6 PhD students, 6 post-doc fellows, 3 Junior Researchers, and 2 Assistant Researchers.

Dr. Oliveira has published more than 400 scientific contributions in scientific journals with referee (some in high impact factor journals), being 14 of those papers produced under invitation. Dr. Miguel Oliveira is inventor of 20 patents and published 7 books (+ 2 in preparation), 8 special issues/topical collections in scientific journals, 106 book chapters in books with international circulation, on international encyclopaedias, and science dissemination. He has great experience in intellectual property rights and patent exploitation. He has participated in more than 500 communications in national/international conferences. Due to his expertise, he participated as invited/keynote speaker in more than 70 plenary sessions. He made great contributions in the osteochondral field, namely by proposing bilayered scaffolds, work that has been highly cited by its peers. Dr. Miguel Oliveira has an h-index of 48, i10 of 151 and received more than 8700 citations (Google Scholar), or an h-index of 40 and ~6200 total citations (Scopus). He has an RG45.4 (ResearchGate).

As a result of his academic activities, Dr. Oliveira has been distinguished by the Portuguese Foundation for Science and Technology (FCT) with two prestigious Grants under the most prestigious program available, the "Investigador FCT 2012 and 2015" (Starting and Development grants), aimed at PhD holders with a curriculum of exceptional merit and experience. He has been awarded 21 prizes/honors, being the most prestigious one, The Jean Leary Award 2015 (Young Scientists and Group Leaders under 40 years old) attributed by the European Society for Biomaterials for its Outstanding Contributions within the field of Biomaterials. Dr. Oliveira is a very committed member of several International Societies and Journals. He has been recently appointed the Editor-in-chief of the new Journal entitled In vitro Models (Springer) to be launched mid-2021. He is member of the advisory board of the Journal of Materials Science: Materials in Medicine, Bio-design and Manufacturing (BDM) Journal, International Journal of Tissue Engineering, Journal ISRN Biomaterials, The Journal of Experimental Orthopaedics, Journal "Recent Patents on Corrosion Science", and referee in 49 international journals in the Biological Engineering field.

February 26th, 2021

Joaquim Miguel Antunes Correia de Oliveira

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Vice-President of I3Bs

February 26th, 2021

ESB Council

Letter of application – Joaquim Miguel Antunes Correia de Oliveira

Dear ESB Council:

I am very pleased to write this letter to gently ask you to consider my application for the **ESB Council**.

During the last 20 years, I have been pursuing a research career in the field of Biomaterials and Tissue engineering. This prolific career is evident but my commitment as mentor and it is what makes me feel most proud. Unlike other researchers in the field, I have been successfully grounding my research in my own vision of the biomaterials field and in defining a successful strategy of my research that helped and inspired many others researchers and clinicians to pursue a research career outside of the main paradigms. I love challenging the institutional canonical paths. In doing so, I do believe that the values of competence, hard work, talent and strategy should always be more valued than the usually “known” paths for success.

Along the years, my research work has been highlighted as well by my peers and distinguished by different prestigious institutions. In this context, I have been awarded 21 prizes/honors, being the most prestigious one, The Jean Leary Award 2015 (Young Scientists and Group Leaders under 40 years old) attributed by the European Society for Biomaterials (ESB) for its Outstanding Contributions within the field of Biomaterials.

I do feel that it is now time for me to become more committed with Journals and International Societies such as the ESB. I have been recently appointed the Editor-in-chief of the new Journal entitled In vitro Models (Springer) to be launched mid-2021. I also would be honoured to be considered for the ESB Council, and enthusiastically support the society to become a lighthouse in the field, so I kindly ask you to consider my application.

February 26th, 2021



Joaquim Miguel Antunes Correia de Oliveira (BSc, PhD)

Vice-President of I3Bs