



Biography

Carlos Mota is currently an assistant professor in the Department of Complex Tissue Regeneration at MERLN Institute for Technology-inspired Regenerative Medicine, Maastricht University. Carlos has more than one decade of experience in the Biofabrication and regenerative medicine fields. During this time, he published more than 30 peer-review articles and book chapters. One of the most important article to highlight, authored by many other renowned members of the Biofabrication society ("Biofabrication: A Guide to Technology and Terminology." Trends Biotechnol), aimed at clarifying nomenclature in the constantly evolving and dynamic field that is Biofabrication. Carlos participated in several international conferences, trained several colleagues and future biofabricators and gather more than 1.5 M€ for the development of new technologies for regenerative medicine applications. In 2015, he started a postdoc in the newly established MERLN institute establishing together with Prof. Moroni the Biofabrication cluster and focusing his interest on novel bioprinting technologies for soft tissues and organs. In 2013, he was a postdoc at the department of Tissue Regeneration, University of Twente, the Netherlands where he developed, in partnership with Screvo B.V., a multiwell array platform for high content screening, targeting the effect of small molecules and biopharmaceutical in cancer therapeutics in vitro and in vivo. Carlos received his PhD in Biomaterials from the BIOS

research doctorate school in Biomolecular Sciences at the University of Pisa, in March 2012. His doctoral studies were focused on the development of new approaches for the fabrication of polymeric scaffolds for Tissue Engineering applications. Furthermore, he was a researcher at the department of Neurosciences, University of Pisa, where he developed scaffolds for otology surgery applications, which is today a unique field where biofabrication has a large unmet potential to provide new functional solutions.

Carlos helped to organize the International Conference on Biofabrication held in Utrecht in 2015, the Netherlands. As part of the local organization committee, he was involved in tasks spanning from gathering sponsors, abstract review and organization of the young scientist event. Carlos is also currently organizing a special symposium entitled: Biofabrication and biomaterials for advanced tissue grafts and models during the 29th Annual Meeting of the European Society for Biomaterials with the endorsement of the International Society for Biofabrication (ISBF). He is currently a member of the Young Scientist Forum (YSF) of the ISBF.

Currently, his main research interests are focused on biofabrication, bioprinting and additive manufacturing techniques for the development of tissue engineered constructs for soft tissue and organs.

Personal statement for ISBF board position

With the demonstrated contribution highlighted before, I wish to express my enthusiasm and fervor to work and represent the ISBF as a board member. I hope I gave you a glimpse of my contribution to the ISBF and the field. I am thrilled to contribute to the ISBF in the activities attributed. I wish to represent at my best the society while further contributing to the maturity of the field.

From a mechanical engineer and a biomaterial scientist, to a biofabricator and beyond.

Kind regards,



Carlos Mota, Ph.D.

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