



Re: Call for Nominations: 2023 BOD Election

I kindly accept the nomination for the ISBF Board member position.

I am assistant professor on Biofabrication for Regenerative Medicine at MERL Institute, Complex Tissue Regeneration division of the Faculty of Health, Medicine, and Life Sciences at Maastricht University.

My cv is packed with his achievements and contributions to biotechnology development for tissue and organ engineering, enabled via a unique combination of photonics, physics, biomedicine and biomedical engineering approach. Since 2016, I have been very pro-active in biofabrication and bioprinting using light-based bioprinting technologies.

Light-based bioprinting has been actively investigated as one of the enabling technologies for the impending era of personalized medicine. These technologies, which use light for polymerization of biomaterials, have made significant progress in the quality, resolution and generation of precise complex tissue structures. Numerous fields have been disrupted by its introduction, such as tissue engineering and regenerative medicine. This is often attributed to the technology's inherent versatility, unique ability to fabricate intricate designs, and cost-effectiveness compared to traditional manufacturing processes.

Among my contributions to light-based bioprinting, I would highlight the followings achievement that have contributed to the biofabrication field: 1) volumetric bioprinter for drugs and for exploring the volumetric biofabrication of microvasculature and micro scaffolds, 2) hand-held biopens for tissue regeneration (skins, cornea and trauma defects), 3) bioprinter for cornea tissue generation, 4) multi-material DLP bioprinter for tissue and organ engineering and 5) holographic bioprinting.

I would like to take opportunity as nominee for the ISBF Board member position, to contributes on emphasizing the potential and opportunities of light-based bioprinting technologies for biofabrication of complex living tissues and organs.

Sincerely,

Dr. Daniel Nieto

MERLN Institute for Technology-Inspired Regenerative Medicine

Chair of Complex Tissue Regeneration Department

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