

Marcy Zenobi-Wong, PhD

Dr. Marcy Zenobi-Wong is an Associate Professor of Tissue Engineering and Biofabrication at ETH Zürich, Switzerland. She obtained her PhD from Stanford University in 1990 where she studied how mechanical forces influence skeletal development. After a post-doctoral fellowship in the Orthopaedic Research Laboratories, University of Michigan, she moved to the M.E. Müller Institute for Biomechanics in Bern, Switzerland, where she became Group Leader of Cartilage Biomechanics and completed her Habilitation in 2000. In 2003, she joined the Institute for Biomedical Engineering at ETH Zürich, where she headed the tissue engineering activities as a permanent senior scientist. She was also instrumental in establishing the successful MSc Biomedical Engineering program at ETH Zürich.

The Zenobi-Wong research group is focused on the development of advanced biomaterials for cartilage regeneration using biofabrication technologies including electrospinning, two-photon polymerization and bioprinting. Dr. Zenobi-Wong is the author of 75 peer-reviewed publications with over 2600 citations and an h-index of 28. Her team currently consists of 3 Post-docs, 10 Doctoral students with backgrounds in Biomedical Engineering, Mechanical Engineering, Material Science, Chemistry and Biology. She is the co-initiator of the graduate level courses “Practical Methods in Biofabrication”, “Mechanobiology: Implications for Development, Regeneration and Tissue Engineering”, “Biological Methods for Engineers”, and “Practical Methods in Tissue Engineering”. She is currently Vice President of the Swiss Society for Biomaterials and Regenerative Medicine, serves on the Scientific Advisory Board of the Schulthess Clinic and has co-organized numerous conferences and workshops on the topic of regenerative medicine. Two spin-off companies have been founded based on technologies from her laboratory.

Statement: I am interesting in running for Board Membership of the International Society of Biofabrication. Biofabrication is my core research and teaching area and I have a vested interest in shaping the future of this field. I believe my experience in the research, teaching, and entrepreneurial aspects of biofabrication can benefit the society as it develops its strategic directions. Being educated in the USA, working in Europe, and of Asian descent, I have an extensive international academic and industrial network which will be useful in recruiting new members to our society and identifying growth areas. I will bring a lot of enthusiasm to the position along with Swiss efficiency, reliability and attention to detail. I am particularly interested in supporting and developing open source teaching materials for biofabrication curricula at the undergraduate and graduate level and believe the society could play a role in establishment of such a platform.