

## **Antonio Merolli**

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Fellow in Biomaterials Science and Engineering (FBSE). Clinical Editor of the Journal of Materials Science: Materials in Medicine. Active Member of the American Society for Peripheral Nerve (ASPN). Past Treasurer of the European Society for Biomaterials (2001-2009). Editor of the book "Biomaterials in Hand Surgery" (Springer). Dr. Merolli has investigated in many fields of interest for the application of Biomaterials in Orthopedic Surgery, like Bioceramics (Hydroxyapatite and Bioactive Glasses) and biodegradable/bioresorbable polymers. He has expertise in translational in-vivo models and histological analysis (particularly by TEM, SEM and BSEM). In the past years he has expanded his interest in nerve regeneration. He is currently studying the role of artificial nerve-guides in nerve regeneration and the basic mechanism of nerve fibers assembly and myelination.

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