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Translational Approaches in Tissue Engineering and Regenerative Medicine (Engineering in Medicine Biology)

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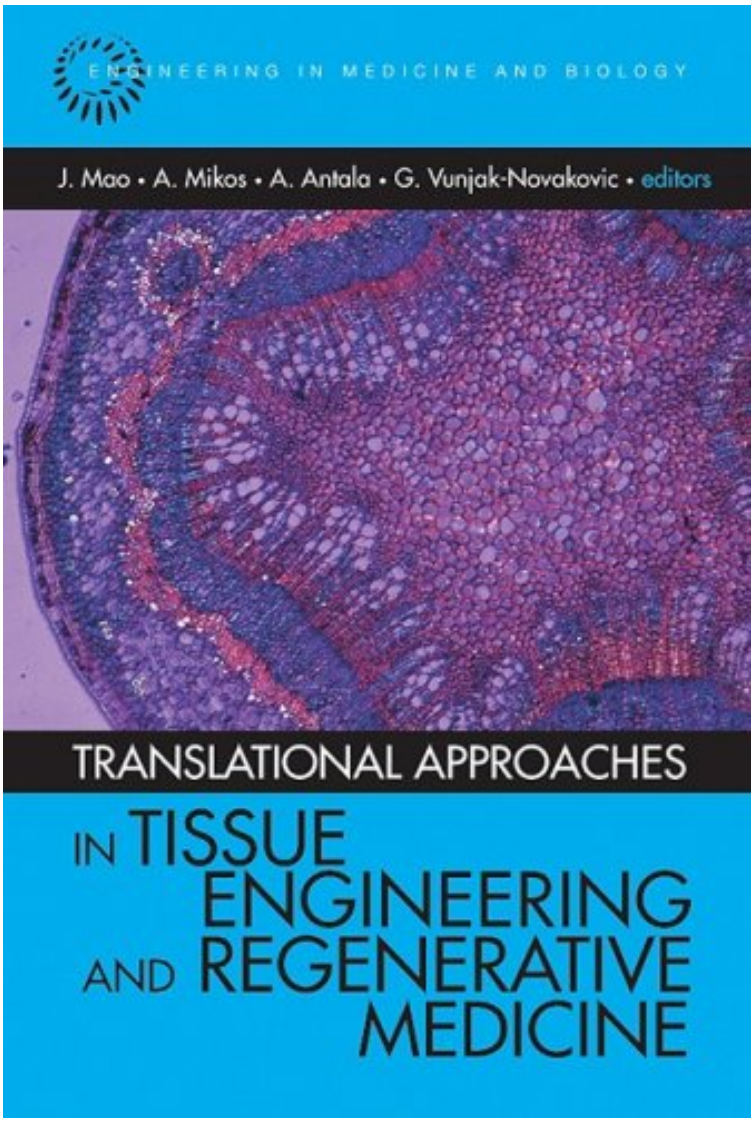

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Biology):

Advances in the field of tissue engineering and regenerative medicine (TE/RM) have unveiled an exciting new era, in which scientists, engineers and clinicians work together to generate and regenerate traumatized or diseased tissues and organs from stem cells and smart biomaterials. This groundbreaking volume is the first-ever book to focus on the translational aspect of tissue engineering and regenerative medicine (TE/RM) - a unique approach that bridges the gap between laboratory discovery and clinical applications. This landmark book covers the current and emerging scientific research and technological development of stem cells, tissue engineering, wound healing, and in vivo animal models. Practitioners find comprehensive coverage of the technological, regulatory and funding aspects of TE/RM from leading authorities in the field.

About the AuthorJeremy J. Mao is an associate dean for research at the Columbia University School of Dental and Oral Surgery and a leading expert in the area of tissue engineering and regenerative medicine. Dr. Mao holds a D.D.S. in dentistry from Wuhan University, China, as well as a Ph.D. in interdisciplinary engineering, Postdoctoral degree in neuroscience, and M.S.D. in orthodontics from the University of Alberta.