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Cellular Plasticity of the Neuromuscular System

Guest Editors:

Dr. Matt S. Stock

School of Kinesiology and
Physical Therapy, University of
Central Florida, Orlando, FL
32816, USA

Prof. Dr. Michael Deschenes

College of William and Mary,
Williamsburg, VA 23187, USA

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Message from the Guest Editors

The neuromuscular system is large—comprising ~40% of the body's entire mass—and vital to our health and well-being. It allows movement, including health-related exercise, as well as normal, yet necessary, activities of daily living. This system is capable of considerable cellular remodeling as a result of natural post-natal development, and aging-related deterioration. Moreover, even in healthy adults significant remodeling of the myofibers, motor neurons, and neuromuscular junctions that these cells join together to form has been demonstrated with scientific inquiry. For example, changes in activity, whether increases via exercise, or decreases, i.e. disuse, elicit significant neuromuscular remodeling. In this special issue of *Cells*, recognized experts of the neuromuscular system will address cellular remodeling of that system, and how it affects the health and function of the whole organism.



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Special Issue



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Neuroscience, UMN Twin Cities,
6-145 Jackson Hall, 321 Church St
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Denmark

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Cells Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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