Special Issue

Plasticity of Skeletal, Cardiac and Smooth Muscles in COPD: Repair and Remodeling

Message from the Guest Editor

Chronic obstructive pulmonary disease (COPD) is characterized by a permanent airway obstruction, impacting the patient's different muscle groups. The final result is an increased capacity to generate an even greater force than healthy subjects when the latter have high lung volumes and a more aerobic phenotype. This situation is very different in the limb muscles. The dyspnea derived from COPD causes patients to reduce their physical activity. This, together with nutritional and endocrine abnormalities also experienced by patients, leads to atrophy and loss of strength and endurance in these muscles, especially in the lower limbs, with or without the added presence of muscle damage. The result is an involutive phenotype that is not adapted to the tasks of daily life (fibrillar atrophy and loss of aerobic capacity), which leads to disability and conditions affecting the survival of patients. This Special Issue in the *Cells* journal is focused on the different cellular, molecular and functional phenomena occurring in the respiratory and peripheral muscles of patients with COPD.

Guest Editor

Prof. Dr. Joaquim Gea Guiral

Department of Medicine and Life Sciences (MELIS), Universitat Pompeu Fabra (UPF), 08003 Barcelona, Spain

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Cells
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
cells@mdpi.com

mdpi.com/journal/cells

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Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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