



10th Anniversary of Biomedicines – Therapeutic Targeting of Cellular Quality Control Mechanisms in Chronic Lung Diseases

Guest Editor:

Dr. Poornima Mahavadi

Center for Interstitial and Rare
Lung Diseases, Department of
Internal Medicine, Justus-Liebig
University Giessen, 35392
Giessen, Germany

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Message from the Guest Editor

Efforts to understand human lung physiology have led to much rewarding progress in the last century. The identification of the relevant mechanisms underlying several lung pathologies has been a vital part of this progress. In this context, we have witnessed that the quality assurance mechanisms of a cell play vital roles in maintaining a strict balance between cell survival and cell death, as well as to systematically respond to external and internal stress, thereby deciding the pathological consequences of various lung diseases. Such quality control already begins at the level of cellular organelles, namely, the endoplasmic reticulum (ER), mitochondria, the proteasome or the lysosome, but all these mechanisms converge into two major cellular surveillance systems: the ubiquitin–proteasome system (UPS) and the autophagy–lysosome pathway. We appreciate such studies in cellular, pre-clinical or clinical models of chronic lung diseases and encourage investigators to submit original research articles as well as review articles.





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Prof. Dr. Felipe Fregni

1. Neuromodulation Center and
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Rehabilitation Hospital and
Massachusetts General Hospital,
Harvard Medical School, Boston,
MA 02114, USA

2. Department of Epidemiology,
Harvard T.H. Chan School of
Public Health, Boston, MA 02115,
USA

Message from the Editor-in-Chief

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MDPI, Grosspeteranlage 5
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