

Special Issue

Molecular Mechanisms in Chronic Obstructive Pulmonary Disease

Message from the Guest Editor

Chronic obstructive pulmonary disease (COPD) represents a significant global public health concern, resulting in substantial morbidity and mortality. Moreover, specific diseases tend to co-occur in COPD patients due to shared risk factors and biological interactions, compounding the disease's prognosis and societal burden, creating what is referred to as a "syndemic."

The substantial diversity within COPD has posed challenges in developing pharmaceutical treatments capable of effectively slowing the progression of the disease. Precision medicine strategies offer a potential solution by focusing on understanding an individual's risk factors for the disease and tailoring treatment plans based on factors such as disease mechanisms, environmental exposures, and psychological variables. It is of paramount importance to promptly identify COPD patients at high risk of adverse outcomes and to gain a comprehensive understanding, at a mechanistic level, as to why specific individuals present an elevated risk.

Guest Editor

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