



Molecular Mechanisms of Major Inflammatory Occupational Diseases

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Message from the Guest Editor

Occupational exposure to chemicals and biological agents is common in many work places. Depending on the type of chemical or biological agent, they may lead to adverse health effects in the workers who are handling these agents through the manufacturing, processing, use, or waste handling. Health effects may vary and could include cardiovascular, pulmonary (i.e., COPD, fibrosis, etc.), neurodegenerative diseases, and cancer. However, molecular and cellular mechanisms are unknown but inflammation is a putative common mechanism that operates in these diseases. Knowing mechanisms of disease will help in identification of molecular markers that could be used for prevention and in particular for design of personalized prevention strategies. Molecular and cellular markers of disease are of utmost importance for personalized prevention as these markers are important for personalized diagnostic and treatment strategies. In this Special Issue, the focus will be on the cellular and molecular markers that drive acute inflammation to become chronic inflammation and so leading to development of inflammatory occupational diseases.





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Message from the Editor-in-Chief

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