

Special Issue

Pathology and Molecular Biology of Inflammatory Diseases

Message from the Guest Editor

Emerging evidence increasingly positions the gut as a central modulator of systemic inflammation, with intestinal dysfunction contributing to disease processes in distant organs. This Special Issue of the *Journal of Molecular Pathology* brings together original research and reviews that examine the molecular and histopathological basis of inflammatory diseases, with a particular focus on gut–organ communication. The contributions explore how disruptions in the intestinal barrier, alterations in the gut microbiota, and local immune responses influence systemic pathology in organs such as the liver, lung, skin, and brain. By integrating molecular biology with disease pathology across tissues, this collection offers new insights into the gut's role in shaping inflammatory disease trajectories and therapeutic response. These studies underscore the need to consider mucosal immunity and barrier function in understanding and treating systemic inflammatory conditions.

Guest Editor

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Deadline for manuscript submissions

31 October 2025



Journal of Molecular Pathology

an Open Access Journal
by MDPI

Impact Factor 1.1
CiteScore 2.3



mdpi.com/si/240571

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