

Special Issue

Recent Molecular Research in Colitis

Message from the Guest Editors

Colitis, a form of inflammatory bowel disease (IBD), is a chronic condition causing intestinal inflammation and significant health burdens. Symptoms include diarrhea, abdominal pain, and systemic complications, severely affecting patients' quality of life. Despite ongoing research, key molecular mechanisms remain unclear, highlighting the need for further investigation. The gut-brain axis plays a crucial role in colitis pathophysiology, linking intestinal inflammation with neurological and psychological symptoms such as anxiety, depression, and cognitive dysfunction. Factors like dysbiosis, increased intestinal permeability, and immune dysregulation contribute to both gastrointestinal and extraintestinal manifestations. Understanding these interactions could lead to novel therapeutic strategies targeting not only intestinal inflammation but also systemic effects. Advancing knowledge in this area is essential for improving treatment outcomes and patient well-being.

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