

## Special Issue

# Intestinal Permeability and Approach to Healing the Gut

### Message from the Guest Editor

Gut health is of prime importance to maintaining a healthy daily routine, as an upset gut affects our overall functioning because of its connections with the brain. Despite the mass of studies on gastrointestinal (GI) disorders such as colitis, celiac disease and irritable bowel syndrome (IBS), the exact etiology of many disorders remains unknown. One of the factors known to be associated with various GI disorders is intestinal permeability. Alterations in tight junction (TJ) and adherent junction (AJ) proteins have been shown to destabilize cell contacts and facilitate the invasion of pathogens, leading to chronic inflammatory conditions. Furthermore, inflammatory cytokines destabilize junction molecules by internalization or proteolysis via activating the mediators of signaling pathways such as small GTPase. Apart from other various non-invasive strategies, one of the approaches to healing gastrointestinal conditions resulting from changes in gut permeability is by restoring the altered junction molecules.

### Guest Editor

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### Deadline for manuscript submissions

closed (30 March 2023)



## Medicina

an Open Access Journal  
Published by MDPI

Impact Factor 2.4  
CiteScore 4.1  
Indexed in PubMed



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