



## Chronic Diseases: Gut-Brain-Immune-Microbiome Axis

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Deadline for manuscript  
submissions:

**closed (31 July 2023)**

### Message from the Guest Editor

Permeability or leakiness of the intestinal epithelial barrier contributes to the development and/or severity of multiple chronic diseases, including but not limited to obesity, diabetes, certain types of cancer, liver dysfunction, neurological conditions (via the gut–brain axis), stroke, etc. Disease immunity is inseparable from the feedback and regulation of the nervous system. This Special Issue focuses on chronic diseases, not only neurochronic diseases, but also diabetes, heart disease, arthritis, gastrointestinal diseases, inflammatory diseases, autoimmune diseases, etc. We welcome your original research or review papers on cellular and molecular aspects of the gut–brain–immune–microbiome axis as well as chronic conditions.

**Keywords:** epithelial barrier integrity; mucosal immune function; immune tolerance; intestinal flora; celiac disease; intestinal barrier; neurochronic diseases; diabetes; heart disease; arthritis; gastroenteritis; inflammatory bowel disease; addiction; headache; inflammation; chronic diseases





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