



Gut Dysbiosis: Molecular Mechanisms and Therapies 2.0

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Message from the Guest Editors

Gut dysbiosis—characterized by a reduction in microbial diversity, decreased frequency of beneficial bacterial strains and overgrowth of pathobionts—frequently associates with the development of intestinal and extra-intestinal disorders. Many environmental factors (including diet, drugs and stress) can trigger gut dysbiosis by altering the complex interaction between microbial ecology and the host immune system, thereby promoting intestinal epithelial barrier dysfunctions that may ultimately lead to the development of several pathological conditions.

We invite researchers working on gut dysbiosis to submit original articles or reviews to improve our knowledge on this complex and fascinating field.

- Role of dysbiotic microbiota and microbial metabolites in gut homeostasis, intestinal barrier function and host immune system;
- Contribution of gut dysbiosis to the development of intestinal (e.g., inflammatory bowel diseases, colorectal cancer) and extra-intestinal disorders (e.g., neurological disorders, diabetes);
- Therapeutic strategies for gut microbiota modulation in pathological conditions (e.g., probiotic treatment, fecal microbiota transplantation).





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Message from the Editor-in-Chief

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