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# The Microbiome of the Urinary Tract: A Balance between Eubiosis and Dysbiosis

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## Message from the Guest Editors

Recent advances in the field of microbial analysis have led to the detection of a resident microbial community in the human urinary tract (UT). Additionally, recent scientific discoveries have identified various bacteria and species that colonize the urinary tract and comprise a core urinary microbiome. However, the role of the UT's microbiome in the advancement of urinary tract infections (UTI) and recurrent UTI (rUTI) pathobiology is not yet clearly understood. Furthermore, studies in the literature have identified infections of the UT by rare bacteria, which usually do not cause infection. Thus, the identification of a typical microbiome and rare bacteria, both in the eubiosis and dysbiosis of the UT, could shed light on the pathophysiological mechanisms necessary for the development of UTIs. The aim of this Special Issue, therefore, is to identify the typical microbiome of the UT and to recognize rare bacteria that could colonize the UT in order to identify the pathophysiological mechanisms needed for the development of UTIs.

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## Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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