

# Special Issue

## Statistical Analysis of Microbiome Data: From Methods to Application

### Message from the Guest Editor

We would like to invite you to participate in this Special Issue on “Statistical Analysis of Microbiome Data: from Methods to Application”. Microbiome studies with high-throughput sequencing data have proliferated in the last decade and have greatly outpaced the development of proper analytical methods that can best exploit rich data. There is an urgent need for statistical research directed toward microbiome studies for discovering microbial biomarkers for disease diagnosis and prognosis, understanding the inter-relationship among microbiota, understanding the crosstalk between the microbiota and human physiological (e.g., digestive, immune, metabolic) systems, and so on. The purpose of this Special Issue is to host new statistical methodologies, application, and review papers on how to analyze complex microbiome data. Simulation tools, benchmarking studies, and perspectives will also be considered for publication.

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### Guest Editor

Dr. Yi-Juan Hu

Department of Biostatistics and Bioinformatics, Rollins School of Public Health, Emory University, Atlanta, GA 30322, USA

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### Deadline for manuscript submissions

closed (25 October 2023)

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## Genes

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### Message from the Editor-in-Chief

*Genes* is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

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### Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan

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