

Special Issue Reprint

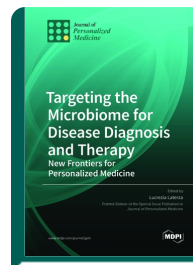
Targeting the Microbiome for Disease Diagnosis and Therapy: New Frontiers for Personalized Medicine

www.mdpi.com/books/reprint/6314

Edited by
Lucrezia Laterza

ISBN 978-3-0365-5612-3 (Hardback)

ISBN 978-3-0365-5611-6 (PDF)



Background: The gut microbiota is emerging as a pivotal player in the pathogenesis of many non-communicable diseases. Thus, it has been proposed as a new diagnostic and therapeutic target.

Aim and scope: This Special Issue will focus on the microbiome as a potential target of new personalized therapies or diagnostic tools.

History: In recent decades, the gut microbiome has been deeply investigated, and many studies have provided new information on the role of dysbiosis in many gastrointestinal and extra-gastrointestinal diseases. Recently, in addition to its phylogenetic characterization, new information has become available regarding the function of the gut microbiota, thanks to proteomic and metabolomic analyses.

Cutting-edge research: The therapeutic modulation of the gut microbiota based on different strategies, including diet modification, antibiotics, prebiotics, probiotics, and, last but not least, fecal microbiota transplantation, has been tested for the treatment of various diseases. Recently, the possible applications and modalities of gut microbiota modulation have been increasingly expanding.

We have collected original clinical or pre-clinical research papers and reviews focusing on the use of the microbiome for disease diagnosis, monitoring, or therapy and suggesting new possible gut microbiota-based approaches for personalized care.

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



Open Access

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



Author Focus

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



High Quality & Rapid Publication

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



High Visibility

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



Print on Demand and Multiple Formats

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.