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Probiotics, Prebiotics, Postbiotics and Gut Microbiota in Lung Health and Disease

Guest Editors:

Dr. Muriel Thomas

Micalis Institute, Institut National de Recherche pour l'Agriculture, l'Alimentation et l'Environnement UMR1319, AgroParisTech, Université Paris-Saclay, Jouy-en-Josas, France

Dr. Vinciane Saint-Criq

Micalis Institute, AgroParisTech, INRAE, Université Paris-Saclay, 78350 Jouy-en-Josas, France

Deadline for manuscript submissions:

closed (20 December 2022)

Message from the Guest Editors

Dear Colleagues,

It has long been known that lung diseases can be associated with gut symptoms or disorders, and in recent years, gut–lung axis has become a prominent area of interest for research. Recent studies have demonstrated that lung infections affect the gut microbiota equilibrium. Although it is unclear whether restoring gut eubiosis could alleviate lung pathologies, several studies suggest that diet, pro-, pre- and postbiotics could significantly impact chronic lung disease development and progression.

In this Special Issue, original research articles and reviews describing basic, clinical and applied studies on novel and significant advances in all areas relevant to the gut–lung axis are welcome. Topics of interest may include, but are not limited to, the following: nutrition, pro-, pre- and postbiotic effect on acute and chronic lung diseases; relationship between gut commensal strains and lung health/pathologies; and relationship between diet and lung health. We look forward to receiving your contributions.

Dr. Muriel Thomas

Dr. Vinciane Saint-Criq

Guest Editors



mdpi.com/si/115503

Special Issue



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Editors-in-Chief

Prof. Dr. Lluís Serra-Majem

1. Centro de Investigación Biomédica en Red Fisiopatología de la Obesidad y la Nutrición (CIBEROBN), Institute of Health Carlos III, 28029 Madrid, Spain
2. Research Institute of Biomedical and Health Sciences (IUIBS), University of Las Palmas de Gran Canaria, 35001 Las Palmas, Spain
3. Preventive Medicine Service, Centro Hospitalario Universitario Insular Materno Infantil (CHUIMI), Canarian Health Service, 35016 Las Palmas, Spain

Prof. Dr. Maria Luz Fernandez

Department of Nutritional Sciences, University of Connecticut, Storrs, CT 06269, USA

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Journal Rank: JCR - Q1 (Nutrition and Dietetics) / CiteScore - Q1 (Nutrition and Dietetics)

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Nutrients Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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