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Bile Acids and Probiotics in Regulation of Intestinal Function in Health and Inflammatory Bowel Disease

Guest Editors:

Dr. Giulia Roda

IBD Center, Department of
Gastroenterology, Humanitas
Clinical and Research Center –
IRCCS –, Rozzano, Italy

Dr. Stefania Vetrano

IBD Center, Laboratory of
Gastrointestinal
Immunopathology, Humanitas
Clinical and Research Center –
IRCCS, Rozzano, 20089 Milan,
Italy

Message from the Guest Editors

Bile Acids (BAs) are endogenous acidic steroids synthesized in the liver from cholesterol with a pivotal role in lipid transport through enterohepatic circulation and as agonists of the Farnesoid X receptor and TGR5. The pathogenic role of BAs in chronic IBD has long been debated. Several studies have evaluated BA metabolism in relation to hepatobiliary and intestinal diseases; these studies, BA malabsorption plays a major role in diarrhea, because luminal BAs result in the colonic secretion of water and electrolytes and the induction of propagated contractions. BAs have been proposed as diagnostic or prognostic tools in IBD, but large studies to prove their utility are needed.

Deadline for manuscript
submissions:

closed (25 May 2022)

In this Special Issue of *Nutrients*, we aim to achieve a better understanding of the role of BAs in inflammation, their interaction with the microbiome and how their alterations are involved in IBD, how we could incorporate them into clinical practice as diagnostic or prognostic tools, and how probiotics and diet could orchestrate the interaction between bile acids and the microbiome and restore inflammation.



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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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Nutrients Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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