

## Special Issue

# Effect of Apolipoproteins on Infectious Diseases and Inflammatory Processes

### Message from the Guest Editors

Apolipoproteins are a class of molecules related to cholesterol metabolism and its carriage in the blood. Apolipoproteins, such as apoA-I, apoE, and apoB100, in complex with plasma lipoproteins, may interact with LPS and other bacterial products and, thus, affecting their traffic to the liver during either acute or chronic intestinal bacterial infections and enteropathies, altering hepatic macrophage (Kupffer cell) activation and causing various degrees of liver injury. Unravelling novel molecular roadmaps, biomarkers, and mechanisms of action (modelling by *in silico* studies, intestinal organoids, mini-gut, and novel mouse infection strategies etc.) of LPS/lipoproteins/apolipoproteins during bacterial infections may support future clinical studies and breakthrough drug discovery. This Special Issue should focus on innovative approaches and insights to dissect the molecular roles of apolipoproteins on enteric bacterial infections, intestinal dysbiosis, intestinal immune mucosal barrier dysfunction, and intestinal inflammation with potential strategies and interventions for their amelioration.

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### Guest Editors

Dr. Reinaldo B. Oria

Laboratory of Tissue Healing, Ontogeny, and Nutrition, Department of Morphology and Institute of Biomedicine, School of Medicine, Federal University of Ceará, Fortaleza 60430-270, Brazil

Prof. Dr. Jacqueline Isaura Alvarez-Leite

Departamento de Bioquímica e Imunologia, Universidade Federal de Minas Gerais, Belo Horizonte, Brazil

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### Deadline for manuscript submissions

closed (20 September 2024)



## International Journal of Molecular Sciences

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
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Department of Physiology, Institute of Nutrition and Food Technology  
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Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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