



## Early Nutrition and Immunity in Compromised Newborns

Guest Editor:

**Dr. Gergely Toldi**

Liggins Institute, University of  
Auckland, Auckland 1023, New  
Zealand

Deadline for manuscript  
submissions:

**closed (30 December 2022)**

### Message from the Guest Editor

Dear Colleagues,

Immune-mediated complications have a major impact on the outcome of compromised preterm and term neonates. Common neonatal pathologies, such as sepsis, chronic lung disease, necrotizing enterocolitis, or hypoxic-ischaemic encephalopathy all feature alterations in the immune system.

The influence of early enteral and parenteral nutrition on immune development and function, including susceptibility to infection, has become increasingly evident in recent years. However, the underlying associations and mechanisms are poorly understood. In particular, the role of breastfeeding and the effects of the evolving microbiome on the neonatal immune response, influenced by nutrition, have gained increasing attention and have significant therapeutic potential in this vulnerable population, with important implications on long-term health outcomes.

In this Special Issue, we seek submissions exploring molecular and cellular mechanisms as well as epidemiological associations between the role of nutrition and immunity in early life, with a focus on neonatal complications. Reports on relevant clinical trials and nutrition-related health outcomes are also encouraged.





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### **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, Grosspeteranlage 5  
4052 Basel, Switzerland

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