



Lactation and Breast Milk—the Appropriate System for Postnatal Programming and Disease Prevention

Guest Editors:

Prof. Dr. Bodo Melnik

Department of Dermatology,
Environmental Medicine and
Health Theory, University of
Osnabrück, Am Finkenhügel 7a,
D-49076 Osnabrück, Germany

Prof. Dr. Ralf Weiskirchen

Head of the Institute of Molecular
Pathobiochemistry, Experimental
Gene Therapy and Clinical
Chemistry (IFMPEGKC), RWTH
University Hospital Aachen,
Aachen, Germany

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Message from the Guest Editors

Dear Colleagues,

During the last few decades, the scientific understanding of breast milk has evolved from being seen as a food source to being a complex system of maternal signaling and programming for the developing infant.

The purpose of this Special Issue is to provide up-to-date evidence demonstrating that breast milk serves dual functions as both a source of nutrition and as a postnatal epigenetic programming system. This programming system is crucial for the appropriate development of the gastrointestinal, immunological, metabolic, and neuroendocrine systems, and ultimately helps to prevent diseases such as obesity, diabetes mellitus, and cancer. Breast milk ensures that the infant receives species- and genome-specific feeding and programming, which cannot be replicated by artificial substitutes. The infant's transition from the intrauterine environment to the extrauterine life is continued by the tight control of the mammary glands. This allows for both breast-mediated feeding and programming.

We would be delighted to receive your manuscript as an expert in the field supporting our major focus on breast milk-derived infant programming.





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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, Grosspeteranlage 5
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