



Maternal and Early Life Programming of Childhood Health: A Nutritional and Epigenetic Investigation

Guest Editors:

Dr. Catherine Phillips

catherine.phillips@ucd.ie

Dr. Ling-Wei Chen

School of Public Health,
Physiotherapy and Sports
Science, Woodview House,
University College Dublin,
Belfield, Dublin

ling-wei.chen@ucd.ie

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Message from the Guest Editors

Dear Colleagues,

Accumulating evidence suggests that early life exposure to a range of environmental factors, including nutrition, plays a key role in defining offspring health, both in childhood and in later life. Epigenetic phenomena (particularly DNA methylation) have been proposed as mechanisms by which fetal or early life environment may affect offspring phenotype and health years after exposure.

This Special Issue, “Maternal and Early Life Programming of Childhood Health: A Nutritional and Epigenetic Investigation”, will include original research and scientific perspectives on the influence of maternal, paternal and early life exposures (with a focus on nutrition, either as individual components or patterns) on a range of offspring health outcomes (including obesity, cardiometabolic health, type 2 diabetes, cancer, respiratory conditions, osteoporosis and neurodevelopmental disorders). In addition, the influence of these exposures on the epigenome will be discussed and the role of epigenetics in mediating diet-health relationships will be explored.





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

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
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