Special Issue

Developmental Environmental Exposures, Epigenetics and Long-Term Health

Message from the Guest Editor

Developmental exposures linked to adverse health effects include heavy metals, endocrine disruptors, air pollutants and radiation. Normal development is governed by widespread epigenomic reprogramming in the somatic cells and primordial germ cells of the developing embryo. This reprogramming includes changes in DNA methylation, DNA hydroxymethylation, chromatin modification/structure, and expression/function of noncoding RNAs. The effects of environmental agents on epigenomic programming during critical periods of development, and the implications these changes have for health across the lifespan, are incompletely understood. In this Special Issue, we invite contributions that address these important research questions. These include mechanistic studies conducted in a variety of models, as well as human epidemiologic studies. Of particular interest are studies that address the sex-specific effects of develomental environmental exposures on the epigenome and health.

Guest Editor

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Message from the Editor-in-Chief

Toxics (ISSN 2305-6304) is an international, peer-reviewed, open access journal which provides an advanced forum for studies related to all aspects of toxic chemicals and materials. We aim to publish high quality work that furthers our understanding of the exposure, effects, and risks of chemicals and materials in humans and the natural environment as well as approaches to assess and/or manage the toxicological and ecotoxicological risks of chemicals and materials. Please consider publishing in *Toxics* when preparing your next paper.

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