

Special Issue

Environmental Exposure, Pregnancy, and Neonatal Outcomes

Message from the Guest Editors

Humans are exposed to a myriad of environmental chemicals every day. These include polycyclic aromatic hydrocarbons, metals, volatile organics, pesticides, and industrial chemicals, PM 2.5, etc. Environmental exposures during pregnancy can lead to abnormal pregnancy and neonatal outcomes such as bronchopulmonary dysplasia and cognitive and neurodegenerative deficits. However, the molecular mechanisms underlying these effects are not well understood. This Special Issue is focused on the impact of environmental exposure on pregnancy and neonatal outcomes, and would include original articles on aspects related to molecular mechanisms by which environmental chemicals would contribute to abnormal pregnancy and neonatal outcomes. Potential topics include, but are not limited to, the effect of different environmental classes, [volatile organic compounds] on pregnancy outcomes, maternal and neonatal microbiome, BPD, pulmonary hypertension, neurodegenerative and cognitive deficits, intracellular targets, xenobiotic metabolism, reactive oxygen species, cell death mechanisms, etc.

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