

Special Issue

Post-GWAS Era: Elucidating the Individual Polygenic Risk of Developing Complex Diseases and Gene by Environment Interactions

Message from the Guest Editor

Individual risk to developing complex diseases is the result of a combination of individual polygenic predispositions interacting with the environment. The era of genome-wide association studies (GWAS) using large datasets of individuals has provided us with an unprecedented and increasing amount of inherited common variants associated with thousands of clinically relevant traits and diseases. However, understanding the functional and causal mechanisms underlying those associations requires further studies. This Special Issue invites original research manuscripts and reviews with the aim to address several aspects of the post-GWAS era, with a special focus on the broad usage of discovered variants, including exploration of functional mechanisms, prediction of individual disease risk across ancestries, and interactions between environment and genetics influencing risk for diseases. We look forward to receiving your contributions.

Guest Editor

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Deadline for manuscript submissions

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Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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