



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

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

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.

Dr. Michela Traglia
Guest Editor





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