Special Issue

Implementing Technological Advances in Psychiatry: Challenges and Opportunities

Message from the Guest Editors

Advancements in omics technologies and artificial intelligence (AI) have rendered the creation of predictive models integrating phenotypic and biological data more plausible for forecasting illness trajectories in psychiatric disorders. Multimodal artificial intelligence tools could provide these means by incorporating various layers of data orthogonally related to psychiatric disorders, including genomics and other omics, environmental exposures, imaging measures, electronic health records, cognition, sensing devices, and clinical variables. The use of rapidly evolving AI models is promising to capture the multidimensional complexity of psychiatric disorders and delineate clinically relevant trajectories that could guide clinical care and therapeutic strategies. In this Special Issue, we seek to present the state of the art on the progress made and on future perspectives related to the implementation of precision psychiatry tools in mental health. We welcome the submission of research articles, reviews (narrative and systematic), and perspectives that may provide insights into how precision psychiatry is being delivered in mental health.

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