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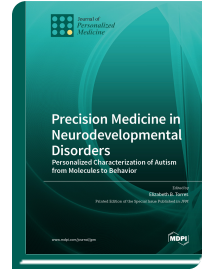
Special Issue Reprint

Precision Medicine in Neurodevelopmental Disorders

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This book focuses on the proposition of a paradigm shift to enable stratification of the highly heterogeneous autism spectrum disorders, by borrowing from and adapting the precision medicine model. A compilation of 9 rigorously peer-reviewed manuscripts offers new approaches to automatically stratify autism-related genes into different neuropsychiatric and associated neurological disorders and, accordingly, repurpose existing therapies and support systems for each thus uncovered phenotypic subtype. Methods for telemedicine are introduced to scale diagnostics and brought to underrepresented communities, thus diversifying the pool of participants in research and treatments. Biosensor data and methods are introduced to accompany genomics subtyping with precision phenotyping. Importantly, an in-depth review offering a paradigm shift for early detection and treatments of autism is presented through stages of neurodevelopment spanning from the womb to infancy and beyond, across the human lifespan.



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