



Precision Medicine in Neurodevelopmental Disorders: Personalized Characterization of Autism from Molecules to Behavior

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Message from the Guest Editor

The precision medicine (PM) platform has emerged as a powerful model for the development of personalized targeted treatments in cancer research. It may be advantageous to adapt this model to psychiatric and psychological disorders that are now defined within the realm of mental illness, without reference to their underlying neurology. Among such disorders are autism, currently defined through observation and description of behaviors, with an emphasis on social inappropriateness. In this Special Issue, we redefine the layer of behaviors of the PM model by leveraging the wearable sensors revolution and considering the neurological underpinnings of currently defined autistic behaviors. By redefining autism as a problem of nervous system development, and pairing new objective criteria with physical data from biosensors we will be able to stratify autism into different subtypes according to the structure and function of the nervous systems, thus leveraging the phylogenetic order of maturation that neurobiology already defines from molecules to complex social interactions.





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Message from the Editor-in-Chief

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