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# DynAMoND

## Dynamics of Affect Modulation in Neurodevelopmental Disorders

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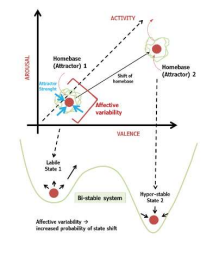


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Classification of psychiatric disorders is mainly based on clinical observations and scientific traditions. Such traditions have resulted in diagnostic systems where even conditions that appear to share many symptoms and risk factors are considered distinct categories. In the DynAMoND project we are comparing three such psychiatric diagnoses, i.e., ADHD, bipolar disorder, and borderline personality disorder. These conditions have traditionally been studied separately within the fields of child psychiatry, adult psychiatry, and personality disorders, respectively. All three disorders are characterized by excessive mood fluctuations that may last for hours, days or months. These mood swings, also termed emotional instability, are distressful for patients and may be difficult to treat. Still, we do not know whether the nature of these mood swings is similar across the disorders, or different. DynAMoND is a collaborative study performed in Germany, Spain, Switzerland, Norway and Italy that will explore emotional fluctuations in these disorders across traditional boundaries. We will include patients suffering from ADHD, bipolar disorder or borderline disorder as well as healthy controls (120 each, from 14 to 30 years of age). We will use data

from smartphones and their inbuilt sensors, as well as data from online surveys, to collect information about mood, activity, and stress. Participants will also provide saliva samples for genetic studies. Data from questionnaires will be taken at the beginning of the study. At the end of the study, patients will receive a summary about findings, the main outcomes, and actionable recommendations. If successful, the project may lead to improved treatment, less burden of disease and improved quality of life for large groups of patients.



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