

FUNCTIONAL BIOMARKERS FOR THE DIAGNOSIS AND EVALUATION OF MENTAL DISORDERS

Tech ID: 33824 / UC Case 2025-055-0

PATENT STATUS

Patent Pending

BRIEF DESCRIPTION

Mental disorders like depression and anxiety are often hard to diagnose and evaluate because there aren't any objective measures for them. This makes it difficult to tell the difference between these disorders and other conditions with similar symptoms. This invention, developed by UC Berkeley researchers, addresses this challenge by providing methods, compositions, and systems that use functional biomarkers to diagnose and evaluate mental disorders. The technology combines brain imaging techniques with a brain encoding model to objectively identify and assess these conditions. This approach offers a more precise and data-driven way to diagnose and evaluate mental disorders compared to traditional, subjective methods.

SUGGESTED USES

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Diagnosing and evaluating mental disorders like depression and anxiety.

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Distinguishing mental disorders from other medical conditions with similar symptoms.

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Monitoring the effectiveness of treatments for mental disorders.

ADVANTAGES

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Provides objective, data-driven methods for diagnosis and evaluation.

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Uses a combination of established brain imaging techniques and a sophisticated encoding model for enhanced accuracy.

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Offers a non-invasive way to assess brain function related to mental health.

RELATED MATERIALS

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INVENTORS

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OTHER INFORMATION

CATEGORIZED AS

» **Biotechnology**

» Genomics

» **Medical**

» Diagnostics

» Disease: Central Nervous System

» Imaging

» Software

» **Sensors & Instrumentation**

» Biosensors

» Medical

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