Docket #: S20-306

Understanding theta oscillations' role in driving empathy in psychiatric conditions and Alzheimer's disease

Researchers in the Lee lab have discovered a totally novel approach to restore the impairment of empathy associated with many neurological disorders and mental illnesses.

Serious mental illnesses and neurological disorders affect millions of adults worldwide. While these conditions exhibit a diverse of array of symptoms, the impairment of empathy is often observed across them. Impairment of empathy, together with other social deficits, are some of the main impediments preventing patients suffering from these conditions from living a normal life. Currently, there are no therapeutic options addressing this need. The Lee lab's novel approach to restore impaired empathy promises to be an invaluable asset in addressing this critical unmet need.

Applications

- Mental Illnesses
    - Depression
    - Bipolar disorder
    - Anxiety disorder
    - Schizophrenia
    - Obsessive Compulsive disorder
    - Alexithymia
    - Psychopathy
    - Addiction
- Neurological disorders

- Alzheimer's disease
- Dementia
- Epilepsy

Advantages

- Currently, there are no methods available to restore empathy in patients.

Patents

- Published Application: WO2022072716
- Published Application: 20230364423

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