Docket #: S17-255

Brain function and connectivity norms - software

Stanford researchers have developed a novel method for the quantification of person-level network functioning, enabling the diagnosis of depression and suggesting an appropriate treatment. Despite advances in brain imaging providing insights into depression-induced disruptions in brain function, there has not yet been a translation of these insights into clinical practice. One crucial step in this translation that this method addresses is the identification of a reproducible and reliable summary metric derived from normative data and analogous to normed neuropsychological tests.

Related Biotype depression technologies available for license:
S16-375
S18-042
S18-083

Applications

- Providing benchmarks for interpretation of brain-based "biotypes."
- Could be expanded for interpreting any state of functional brain activation and connectivity thought to be maladaptive.

Advantages

- Pragmatic, normative method for resting functional brain connectivity, based on practices established in other fields such as neuropsychology.

Innovators

- Leanne Williams

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