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Department of Psychiatry and  
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Computer Science

**AREA(S) OF FOCUS:**

**Using brain imaging to uncover structural and functional abnormalities**

Dr. Ajilore is using magnetic resonance imaging to understand major depressive disorder and correlations with underlying co-morbidities in late life.

**Utilizing novel computational approaches to continuously measure brain function**

Dr. Leow is developing novel technology, computational and machine learning approaches in neuroscience.

Integrated technological platform to discover patterns in mood disorders



Self surveys



3D Imaging



Phone metadata

**ENTREPRENEURIAL SUCCESS:**

*Both Drs Ajilore and Leow have contributed to the following companies:*



BiAffect is a smartphone application that allows to turn your smartphone into a brain fitness tracker to evaluate cognitive processes. The technology platform collects keyboard usage and movement data to determine mood patterns.

Phone usage data is analyzed in combination with brain imaging and neuropsychological assessments to identify virtual biomarkers of psychiatric disorders.

BiAffect was initially seeded thanks to a generous new venture gift fund of \$320,000 funded by the Robert Wood Johnson Foundation.

 **KeyWise AI**

KeyWise AI is developing an innovative digital technology that turns smartphones into fitness trackers for the brain. Raised \$2.8 million in seed funding.