

Stanford



Leonardo Tozzi

Casual - Non-Exempt, Psych/Major Laboratories and Clinical & Translational Neurosciences Incubator

Bio

BIO

Leonardo Tozzi, M.D., Ph.D., graduated as a Medical Doctor from Pisa University and Sant'Anna School of Advanced Studies in 2013. In 2018, he was awarded his Ph.D. from Trinity College Dublin for his research on the impact of genetic risk factors, epigenetic modifications and environmental stressors on structural and functional brain changes related to depression.

Leonardo joined Stanford in 2018 as a post-doctoral researcher working within the framework of the Human Connectome Project. Since 2022, he leads the Computational Neuroscience & Neuroimaging Program at the Stanford Center for Precision Mental Health and Wellness.

The goal of Leonardo's research is to develop quantitative biomarkers for psychiatry that are reliable, interpretable and can be used to guide treatment selection and estimate therapy response. To this end, he integrates behavioral measures and symptoms with large scale recordings of brain structure and function as well as other biological markers.

In his free time, Leonardo enjoys practicing martial arts, playing video-games and road tripping around the USA.

Publications

PUBLICATIONS

- **Brain circuit derived biotypes for treatment selection in mood disorders: A critical review and illustration of a functional neuroimaging tool for clinical translation.** *Biological psychiatry*
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- **Toward Precision Characterization of Dimensions of Threat Response Pathology in Depression and Anxiety: Testing a Theoretical Model That Integrates Circuits, Symptoms and Quality of Life**
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- **Canonical correlation analysis in high dimensions with structured regularization** *STATISTICAL MODELLING*
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