

New Directions in Psychiatry

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The field of Psychiatry continues to be more exciting and promising than ever before. The fascinating study of brain - the genomics, the innovative modalities of neuroimaging, the 'Connectome' project, neuro-inflammation, neuro-immunology – already yielding information previously unknown regarding network patterns, structural and functional connectivity unique to certain syndromes – have just heralded neuro-circuitry based bio-typing of depression that could help treatment selection, precision and personalized care first time possible in our field. This emerging knowledge paired with emerging new multi-modal neuromodulation technologies conceivably could refine the new therapeutics. Emerging new findings based on optogenetics, hopefully, may soon provide the knowledge necessary to establish circuit-centric therapeutics, overcoming the limitations of molecular- (and chemistry)-based drug designs.

Biological research of psychotherapy already establishing neural mechanisms, changes in neural architecture as a consequence

of psychotherapy is bringing behavioral neuroscience to the fore. (circuitry)-based drug designs.

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