



Distinguished academic and corporate medical researcher, Jeremy D. Ollerenshaw, Ph.D., formed the NeuroBiology Foundation as a result of a lifelong interest in the biology of mental illness, specifically schizophrenia and bipolar disorder, two of the most

common and severe mental illnesses and associated with chronic morbid consequences for those affected.

- In the United States, mental illness is the leading cause of disability among people aged 15 to 44 with an annual economic cost of more than \$190 billion.
- Schizophrenia affects 2.4 million, or 1.1% of people aged 18 and over in the US and close to 100,000 Americans are diagnosed with schizophrenia every year.
- One third of our homeless population has schizophrenia and 90,000 people with schizophrenia are being treated in US hospitals.
- Bipolar disorder affects 1.2% of the adult population in the US, or 2.6 million Americans.
- 30% of people with untreated bipolar disorder commit suicide.

Currently available treatment options for these illnesses are lacking in their effectiveness and carry significant debilitating side effects. The development of more appropriate therapeutics will come from a better understanding of the neurobiology of these illnesses in the following areas:

1. Neurochemistry
2. Neuropharmacology
3. Genomics
4. Neuropathology
5. Neuroimaging

It has been widely acknowledged for many years that funding for the necessary research leading to development of new therapeutic targets has been far from adequate and this is the basis for the focused work of the NeuroBiology Foundation and to give hope to

individual sufferers and their families. To accomplish this, we are proposing to raise the funds needed to award competitive medical research grants to clinicians and scientists across the US.

NeuroBiology Foundation Vision: Schizophrenia and bipolar disease have a combined presence of approximately 2% in the world's population, each imparting a devastating affliction to affected individuals and their families. We are focused on clearly understanding the molecular and neuropathological abnormalities of these diseases to reveal precise therapeutic targets upon which effective and well tolerated pharmacological and other biotechnological treatment strategies can be based.

NeuroBiology Foundation Mission: We maintain efficient and effective organizational strategies in raising funds and providing grants to individual scientists and physicians for advanced research in molecular and neuropathological abnormalities of schizophrenia and bipolar disorder. We are focused on the development of improved management or cure of these diseases, and in generating an invaluable body of peer-reviewed literature and technological innovation.

The research funded by the NeuroBiology Foundation will represent a highly focused body of peer-reviewed grants that will align with our strategic scientific program driven by our prestigious Scientific Advisory Board. We intend to build strong relationships with our donors, our clinical and research scientists, the broader research community, patient advocacy groups and other foundations working to advance treatment options in serious mental illness.

We strongly believe in our success in being able to reveal new therapeutic targets in the neurobiology of schizophrenia and bipolar disorder through research of the highest standard and in subsequent translational studies to enable development of better therapeutics in these illnesses, improving the lives of seriously mentally ill patients and those of their families and friends.