



## SCIENTIFIC ADVISOR

Dr. Jang-Yen Wu (<http://med.fau.edu/home/departments/biomedical/wu.php>) received his Ph.D. from University of California, San Francisco Medical Center and postdoctoral training at UCLA. He is currently a Schmidt Senior Fellow and Distinguished Professor at Florida Atlantic University, Charles E. Schmidt College of Medicine. Prior to that, he also held senior faculty position at other prestigious institutions including City of Hope National Medical Center in Duarte, Calif., Baylor College of Medicine in Houston, TX., Pennsylvania State University, Milton Hershey College of Medicine in Hershey, Pa., and University of Kansas, Lawrence, KS. Dr. Wu has published more than 300 papers in journals like Science, Nature, PNAS, etc. He has made a great impact in biomedical sciences, particularly in basic and translational neuroscience and is recognized as one of the most cited scientists in the world identified by Current Contents/ISI (2002). In basic science, Dr. Wu's foremost important achievement is in neurotransmitter gamma-aminobutyric acid (GABA) system. He is the first one to isolate, purify and characterize the two key brain enzymes involved in synthesis and metabolism of GABA, namely, L-glutamate decarboxylase (GAD), and GABA-transaminase (GABA-T), the enzyme responsible for biosynthesis and degradation of GABA, respectively. This important work has laid the foundation for subsequent advances in GABA system including identification of GABA neurons, its neuronal circuitry and regulation of GABA system in the brain. In translational neuroscience, Dr. Wu and his team have developed several mechanism-based treatment for brain diseases including Parkinson's disease, stroke and epilepsy. These inventions are quite novel and several patents have been awarded to him and his team.