Prabhakara Choudary, M.Sc., Ph.D.

Clinical Interests The molecular genetics and functional genomics of neuropsychiatric and neurodegenerative

disorders.

Title Professor

Professor, Center for Neuroscience

Specialty Bioethics, Molecular Biology/Medicine

Department Psychiatry and Behavioral Sciences

Division Psychiatry

Languages Hindi, Kannada, Telugu

Education Ph.D., Indian Institute of Science, Bangalore, 1976

M.Sc., University of Bombay, Bombay, India, 1969

B.Sc., Andhra University, Waltair, 1966

Fellowships American Association for the Advancement of Sciences, Washington, D.C., 1986

Rockefeller Foundation, New York, New York, 1990

Royal Society of Chemistry, London, 2000

Royal Society of Tropical Medicine & Hygiene, London, 1999 Washington Academy of Sciences, Washington, D.C., 1985

Professional Memberships Human Proteome Organization

International Brain Research Organization

Society for Neuroscience

Honors and Awards Royal Society of Chemistry Elected Fellow, 2000

Rolex International Award for Enterprise Associate Laureate, 1993

Rockefeller Foundation Biotechnology Career Fellow, 1990

Jawaharlal Nehru Centenary Lectureship, 1989

American Association for the Advancement of Sciences Elected Fellow, 1986

Select Recent Publications Choudary PV. Power troubles in Parkinson's disease. Commentary. CNS Neurol Disord Drug

Targets. 2011 Mar;10(2):146.

Choudary PV, J Knowles. Genetics. In: American Psychiatric Publishing Text Book of Psychiatry

(Eds. Robert E Hales, Stuart C. Yudofsky, and Glen O. Gabbard), 199-251, 2008.

Murray KD, PV Choudary, EG Jones. Nucleus- and cell-specific gene expression in monkey



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thalamus. Proc Natl Acad Sci USA 104:1989-1994, 2007, PMID: 17261798.

Vawter MP, H Tomita, F Meng, B Bolstad, JZ Li, SJ Evans, PV Choudary, ME Atz, L Shao, CR Neal, DM Walsh, TP Speed, RM Myers, EG Jones, SJ Watson, H Akil, WE Bunney Jr. Mitochondrial related genes are sensitive to agonal-pH state: implications for brain disorders. *Mol Psychiatry* 11: 615; 663-679, 2006, PMID: 16636682.

Karssen AM, JZ Li, S Her, PD Patel, F Meng, SJ Evans, MP Vawter, H Tomita, PV Choudary, WE Bunney Jr, EG Jones, SJ Watson, H Akil, RM Myers, AF Schatzberg, DM Lyons. Application of micro array technology in primate behavioral neuroscience research. *Methods* 38:227-234, 2006, PMID: 16469505.

Choudary PV, M Molnar, SJ Evans, H Tomita, JZ Li, MP Vawter, RM Myers, WE Bunney Jr, H Akil, SJ Watson, EG Jones. Altered cortical glutamatergic and GABAergic signal transmission and glial involvement in major depression. *Proc Natl Acad Sci USA* 102:15653-15658, 2005, PMID: 16230605.

Li JZ, MP Vawter, DM Walsh, H Tomita, SJ Evans, PV Choudary, JF Lopez, A Avelar, V Shokoohi, T Chung, 0 Mesarwi, EG Jones, SJ Watson, H Akil, WE Bunney Jr, RM Myers. Systematic changes in gene expression in postmortem human brains associated with tissue pH and terminal medical conditions. *Human Mol Genetics* 13:609-616, 2004, PMID: 14734628. [see "news and views in brief," *Nature* 427: 501, 2004]

Evans SJ, PV Choudary, CR Neal, JZ Li, MP Vawter, H Tomita, JF Lopez, RC Thompson, F Meng, JD Stead, DM Walsh, RM Myers, WE Bunney Jr, SJ Watson, EG Jones, H Akil. Dysregulation of the fibroblast growth factor system in major depression. *Proc Natl Acad Sci USA* 101:15506-15511, 2004, PMID: 15483108. [see "research highlights," *Nature* 431: 1051, 2004]

Tomita H, MP Vawter, DM Walsh, SJ Evans, PV Choudary, JZ Li, KM Overman, ME Atz, RM Myers, EG Jones, SJ Watson, H Akil, WE Bunney Jr. Effect of agonal and postmortem factors on gene expression profile: quality control in microarray analyses of postmortem human brain. *Bioi Psychiatry* 55: 346-352, 2004, PMID: 14960286.

WE Bunney Jr, BG Bunney, MP Vawter, H Tomita, J Li, SJ Evans, PV Choudary, RM Myers, EG Jones, SJ Watson, H Akil. Microarray technology: a review of new strategies to discover candidate vulnerability genes in psychiatric disorders. *Am J Psychiatry* 160: 657-666,251, 2003, PMID: 12668351.

Evans SJ, PV Choudary, MP Vawter, J Li, JH Meador-Woodruff, SM Burke, RC Thompson, RM Myers, EG Jones, WE Bunney, SJ Watson, H Akil. DNA microarray analysis of functionally discrete human brain regions reveals divergent transcriptional profiles. *Neurobiol Disease* 14: 240-250, 2003, PMID: 14572446.



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