

Prof. T. S. Keshava Prasad

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Biography

Dr. Prasad is a recipient of Young Investigator Award from the DBT, Government of India. He has been leading IOB's efforts on the development of the *Human Protein Reference Database* (<http://www.hprd.org>), which is cited over 2,000 international publications. He is also involved in the development of *Plasma Proteome Database* (<http://www.plasmaproteomedatabse.org>), and database of human signaling pathways – *NetPath* (<http://www.netpath.org>). He has successfully established OMICs facilities and research teams in three Institutes - Institute of Bioinformatics, Bangalore; National Institute of Mental Health and Neurosciences, Bangalore; and Yenepoya University, Mangalore. His research group is now increasingly focusing on genomic, proteomic and metabolomic approaches to investigate infectious diseases including tuberculosis and malaria. For this, he is collaborating with a number of clinicians and basic researchers in India. He is using genomic and proteomic strategies to identify molecules associated with host responses to infections in different chronic meningitis cases. He has also carried out proteogenomic analysis of human proteome map data, which was featured on the cover of *Nature*. Currently, he is leading the analysis of human brain proteome and human eye proteome data. More recently, he is using cutting edge phosphoproteomic and metabolomics approaches to identify molecular targets of ayurvedic drugs as a novel approach to identify therapeutic targets. He published over 100 research articles in multi-OMICs arena. He is also regularly conducting several academic workshops on genomics and proteomics to impart training to young researchers in India. He is an editorial board member for the *Journal of Proteomics and Bioinformatics* and also for the *Journal of Proteins and Proteomics* and a reviewer for the journals *Molecular and Cellular Proteomics*, *PLOS One*, *Journal of Proteomics*, *Proteomics*, *Trends in Molecular Medicine*, *Genomics*, *BMC Bioinformatics*, *Bioinformatics*, *BBA - Proteins and Proteomics*, *Database (Oxford Journal)*, *DNA Research*, *OMICS: a Journal of Integrative Biology*, *Analytical Chemistry*, *Expert Review of Proteomics Bioinformatics and Biology Insights*, *Indian Journal of Medical Research*, *Journal of Ethnopharmacology*, *Journal of Neurosciences in Rural Practice*, *International Journal of Rheumatic Diseases* and *International Journal of Molecular Sciences*.