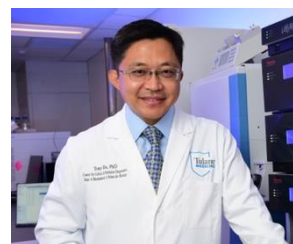

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Dr. Tony Hu is a Professor in Biochemistry and Molecular Biology, Biomedical Engineering, and Microbiology at Tulane University. He is also the Weatherhead Presidential Chair in Biotechnology Innovation, founding Director of the Center for Intelligent Molecular Diagnostics at Tulane School of Medicine, and the fellows of National Academy of Inventors (NAI) and American Institute of Medical and Biological Engineering (AIMBE).

Dr. Hu's research focuses on engineered multi-omics, nanomedicine, mechanism-driven biomarker discovery and assay development. His research differs from conventional biomarker discovery and detection research for clinical microbiology in that it employs the special properties of nanomaterials to improve assay performance and reproducibility. His inventions are intended to serve as a model for the analysis of similar characteristics of infectious and malignant diseases to facilitate the development of a full spectrum of diagnostic, prognostic and treatment evaluation assays, and re-define the diagnostic criteria to differentiate disease stages using molecular tests as a long-term goal.

His work has resulted in publications of over 150 high-impact papers, and 25 patent applications involving nanomedicine. Fourteen of those patents have been licensed by US-based or international companies. Dr. Hu's lab has been consistently supported by the DOD, NIH, Gates Foundation, WHO and others. He has trained 78 fellows and students from 21 countries, many of whom have moved into independent faculty positions. Dr. Hu is also the co-founders of two biotech startup companies, Intelligenome Inc. in San Jose, CA, ASTRA lifescience in San Diego, CA and NanoPin Technologies in New Orleans, LA.