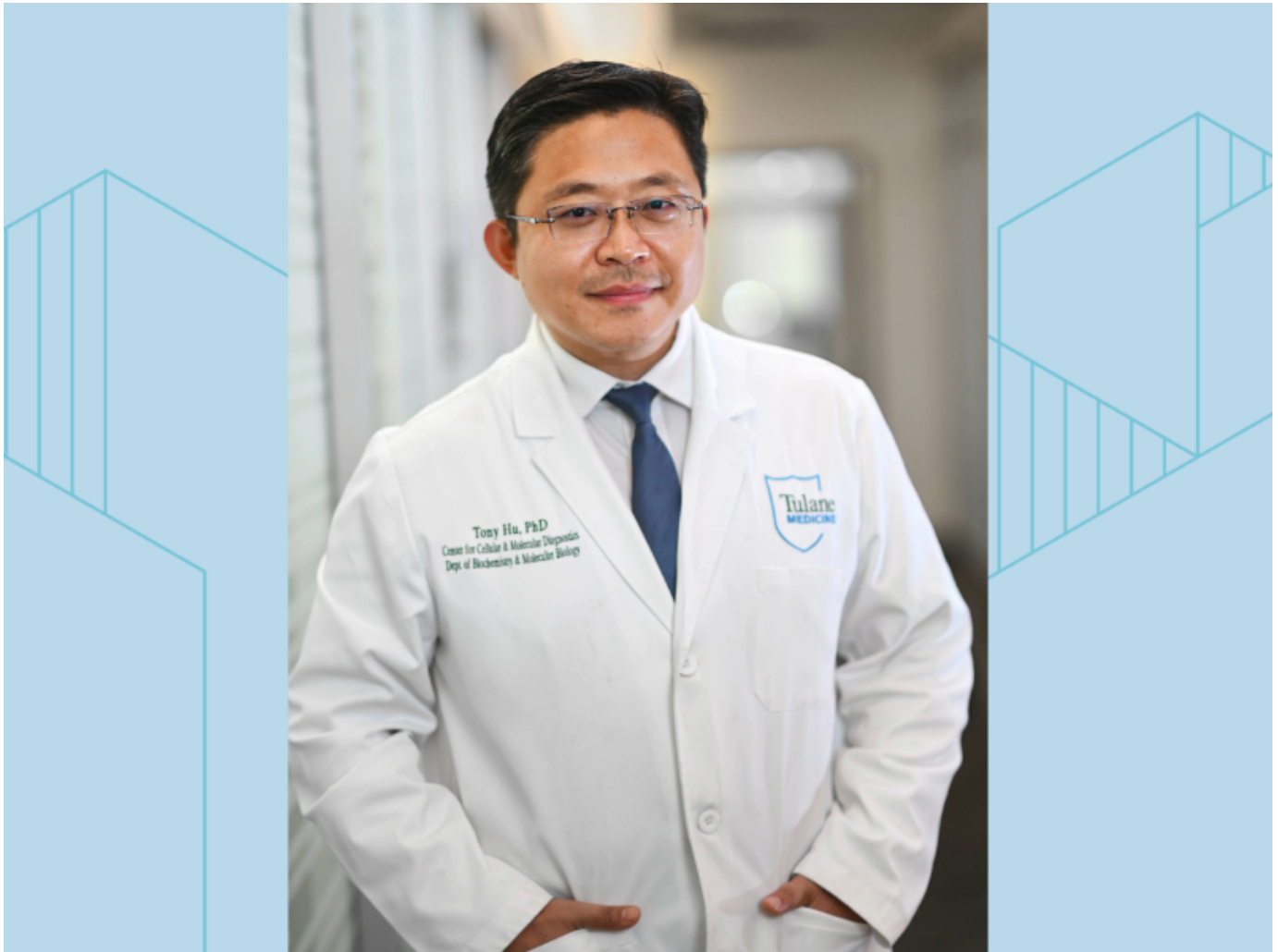


# **Tony Hu, PhD, elected as Fellow of the International Academy of Medical and Biological Engineering**

SOM Communications

[somcommunications@tulane.edu](mailto:somcommunications@tulane.edu)

December 06, 2024 5:00 PM



At Tulane, Tony Hu, PhD, has pioneered assays that leverage the unique properties of nanomaterials to enhance sensitivity, specificity, and reproducibility.

Tony Hu, PhD, the Weatherhead Presidential Chair in Biotechnology Innovation and Professor of Biochemistry and Molecular Biology, Biomedical Engineering, and Microbiology at Tulane University School of Medicine, has been elected as a Fellow

of the International Academy of Medical and Biological Engineering (IAMBE).

Election to the International Academy for Medical and Biological Engineering (IAMBE) is a highly selective honor. Fellows are nominated by the existing membership of approximately 150 distinguished individuals, assessed by the Membership Committee, and elected through a vote by all active Fellows. This recognition celebrates a colleague's exceptional contributions and leadership in the field of medical and biological engineering on a global scale.

Being selected as an IAMBE Fellow is a significant milestone in Dr. Hu's career, reflecting his outstanding contributions to biomedical engineering, particularly in pathogen diagnostics through nanotechnology. His research centers on engineered multi-omics, nanomedicine, mechanism-driven biomarker discovery, and the development of advanced diagnostic assays.

At Tulane, Dr. Hu has pioneered assays that leverage the unique properties of nanomaterials to enhance sensitivity, specificity, and reproducibility. These include diagnostic tools to fight tuberculosis, COVID-19 and other critical global health priorities. His ultimate goal is to establish a comprehensive suite of diagnostic, prognostic, and treatment-monitoring assays, redefining criteria for infectious and malignant diseases to advance precision medicine.

This honor acknowledges his pioneering work and emphasizes the importance of advancing biomedical engineering innovations to improve global health outcomes.