

18TH NANO-BIO SYMPOSIUM

TRANSFORMING BIOENGINEERING RESEARCH WITH AI AND MACHINE LEARNING



JOHNS HOPKINS
INSTITUTE *for*
NANOBIOTECHNOLOGY

As the field of bioengineering continues to evolve, researchers require innovative tools to optimize experimental design, analyze large datasets, characterize complex biological systems, and identify knowledge gaps. AI and machine learning are emerging as transformative tools poised to revolutionize bioengineering research. These models are driving advancements in drug discovery and design, nanoparticle formulation optimization, biomaterials and device development, medical imaging analysis, diagnostic strategies, tissue engineering, and more.

The Institute for NanoBioTechnology's 18th Nano-Bio Symposium, Transforming Bioengineering Research with AI and Machine Learning, will explore the immense potential of integrating AI/ML with scientific expertise and human creativity to propel bioengineering breakthroughs

May 5, 2025

8:15 am - 4:45 pm

**Johns Hopkins
Homewood Campus**



**Lectures
Reception
Networking
Poster Competition**

Registration Required