



JOHNS HOPKINS
CENTER *for* TRANSLATIONAL
IMMUNOENGINEERING

Frameshift 

IMMUNO
ENGINEERING

TECHNOLOGY TRAINING & CASE COMPETITION

Frameshift is an academic initiative that seeks to bring an entrepreneurial spirit and translational growth environment to rapidly develop new therapies through the use of immunoengineering technologies. This initiative will sit at the intersection of immunology, engineering, and medicine to showcase advances in biological innovation using Johns Hopkins Translational ImmunoEngineering (JHTIE) platforms.

COMPETITION (JULY 23RD - 25TH, 2025)

An in-person workshop that will be split into two portions: (a) seminars and hands-on lab demonstrations where participants will experience how to synthesize and utilize core TR&D platforms, and (b) an entrepreneurial showcase where participants will create and pitch a novel immunoengineering solution using a combination of the TR&D technologies. Winners will receive a prize.

ELIGIBILITY

Postdoctoral scholars and candidates pursuing research-intensive and clinically focused advanced degrees, including but not limited to those in Ph.D., M.D., and PharmD granting programs.



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