New projects in 2024

In labs across Harvard University, 11 innovative research projects received new support from the Blavatnik Biomedical Accelerator in 2024. Our investigators are advancing crucial translational work in the areas of infectious and inflammatory diseases, oncology, cell and gene therapy, women's health, and other areas. The Accelerator support will move them to an inflection point where they will be ready for commercial partnership. To learn more, please contact us.

Infectious and Inflammatory Diseases

Enhancing Food Allergy Treatment By Blocking the Activity of Monocyte-Derived Dendritic Cells
Kari Nadeau
John Rock Professor of Climate and Population Studies; Chair, Department of Environmental Health, Harvard T.H. Chan School of Public Health

Evaluation of a Novel Linker to Display Antigens on Nanoparticles Towards Exposure of Cross-Reactive Antibody Epitopes
Kizzmekia Corbett-Helaire
Assistant Professor of Immunology and Infectious Diseases; Radcliffe Assistant Professor, Harvard T.H. Chan School of Public Health

Women's Health

A Long-Lasting Prolactin to Combat Lactation Insufficiency
Pamela Silver
Elliott T. and Onie H. Adams Professor of Biochemistry and Systems Biology, Blavatnik Institute at Harvard Medical School

Cell and Gene Therapy

Next-Generation Viral-Like Particles for Next-Generation Nucleic Acid Delivery
George Church
Robert Winthrop Professor of Genetics, Blavatnik Institute at Harvard Medical School

Engineering Erythroid Cell Lines for Universal Transfusion-Compatible RBC Production
Manoj Duraisingh
John LaPorte Given Professor of Immunology and Infectious Diseases, Harvard T.H. Chan School of Public Health

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Oncology

Develop Small Molecules Against HECT-family E3 Ligase for Cancer Treatment
Ying Lu
Assistant Professor of Systems Biology, Blavatnik Institute at Harvard Medical School

Targeting Selenoprotein Biosynthesis to Enhance Ferroptosis in Cancer
David Scadden
Professor of Stem Cell and Regenerative Biology, Faculty of Arts and Sciences / Blavatnik Institute at Harvard Medical School; Gerald and Darlene Jordan Professor of Medicine, Harvard Medical School

Characterization of an Allosteric Cereblon Binding Site for Targeted Protein Degradation
Christina Woo
Professor of Chemistry and Chemical Biology, Faculty of Arts and Sciences

Other areas

Injectable Electrotherapeutic Scaffold for Celiac Plexus Stimulation for Medically Refractory Gastroparesis
Shriya Srinivasan
Assistant Professor of Bioengineering, Harvard John A. Paulson School of Engineering and Applied Sciences

Exploring the Potential of An Underexplored Covalent 'Warhead' in Drug Discovery
Emily Balskus