



RESEARCH INSTITUTE

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“This is a moment of extraordinary opportunity in science and medicine. The Mass General Research Institute has the unique advantage of being in the center of one of the greatest hospitals in the world. It is also at the heart of one of the world’s greatest cities for biomedical innovation.

We must leverage our strength to pursue every partnership and every promising idea. There is not a moment to spare.”

W. Gerald Austen, MD
Chair, Chiefs’ Council,
Massachusetts General Hospital

A Pivotal Moment

Mass General’s physicians and physician-scientists; PhD Investigators; nurses and other clinical team members; technologists; engineers and other specialists have always stretched the limits of contemporary medicine for their patients, working tirelessly together to break through those boundaries.

We have discovered the roots of disease and decoded the secrets of life itself. Some of our most visionary minds in medicine have made key insights into HIV/AIDS; introduced diagnostic tools like fMRI; pioneered cardiac surgery, immunology and transplantation; and advanced new medical approaches for cancer, diabetes, heart disease and other challenging conditions.

And we’re just getting started.

Rapid proliferation of knowledge and technology are carving new frontiers in medicine. Today’s breakthroughs are promising beyond imagination—and they’re coming at a pace that exceeds the capacity of traditional research funding. Even at Mass General—awarded more National Institutes of Health funding than any other independent hospital—there are places where traditional funding doesn’t flow fast enough.

Now is the time to channel the power of philanthropy and make new, unprecedented investments so we can continue to drive research forward in compassionate service to all those we serve, both at Mass General and around the world.

Uniquely Positioned for Impact

Throughout Mass General’s research community, 9,500 experts chase cause and cure together.

We are a *general hospital* of unparalleled scope and diversity, where insight into one disease informs another. We are a *teaching hospital*, where the pursuit of knowledge and the pursuit of health are inextricably linked. We are a *research hospital*, where the brightest minds in scientific inquiry and patient care work together.

The Mass General Research Institute guides, supports and promotes our scientists through a centralized infrastructure focused on scientific excellence. Its central mission is to support our world-class investigators, who are key drivers in propelling new research forward, and to foster large-scale multidisciplinary research programs. Spanning more than 30 clinical specialties and scientific disciplines, our research teams work across 1.3 million square feet of research space and conduct more than 2,000 clinical trials at any given time.

Here, engineers and physician-scientists develop lifesaving technologies together. Geneticists and molecular biologists illuminate the role of our genes in health and disease. Top physicians and scientists partner to solve complex clinical challenges.

Bold Breakthroughs. Compassionate Care. Revolutionary Results.

Discoveries flow seamlessly to the bedside, where we test, refine and translate scientific learnings into tomorrow's most promising therapies. From our home campus in New England to communities around the world, we improve the health of populations in meaningful ways.

The full impact of research at Mass General—improving the health and well-being of people worldwide—is beyond measure.

Our Vision

This is an exciting and challenging time in science. Together, we're taking new discoveries as far as we can, as fast as we can—toward new possibilities in prediction, prevention, diagnosis and treatment.

As knowledge expands and interdisciplinary collaboration intensifies, new ideas are coming faster than ever—and they're all competing for a finite pool of major grant funding. In the absence of reliable and flexible federal research funding, we must find ways to sustain our scientists at every stage in their careers.

With the support of visionary philanthropists, the Mass General Research Institute provides exceptional investigators with critical, unrestricted support that allows them to make transformative scientific advances. We facilitate new opportunities for our scientists to collaborate on some of the greatest challenges of our time. We also train future academic leaders with experts from Boston's biotech industry to learn the scientific and business principles underlying the translation of science into innovations for patients.

Some of our most pioneering research takes place in specialized centers, each focused around a unique theme that crosses departmental boundaries. These thematic research centers include the Center for Computational and Integrative Biology, the Center for Genomic Medicine, the Center for Regenerative Medicine, the Center for Systems Biology and the Wellman Center for Photomedicine. Many of our promising clinical trials and clinical research programs conducted at Mass General are a direct result of work done in these centers—philanthropy will play a vital role in ensuring these collaborative efforts can continue.

Every day, new genetic, genomic and cellular-level links between different diseases are discovered. Boundaries between clinical fields and scientific disciplines are receding. Imaging, computation and other technologies are revealing what was once invisible. And each new generation of Research Institute scientists is trained in an increasingly collaborative, interdisciplinary setting.

The artificial silos that have shaped scientific inquiry—and its funding—will continue to fall. Research will be ever more multidimensional, multidirectional and surprising.

The Mass General Research Institute's researchers are in the vanguard of this paradigm shift, continuously creating new interdisciplinary collaborations, new approaches and new opportunities at a pace that demands funding built for speed and agility.

Our research teams are so prolific that a unique challenge has emerged: Our innovation outpaces the research funding needed to leverage it. As such, philanthropy will play an integral role in allowing us to keep pace with scientific advances and fulfill our lifesaving mission.



JOIN US

Breakthrough science and compassionate care come together at Mass General like nowhere else. We invite you to accelerate lifesaving discovery with the world's leading interdisciplinary biomedical research teams. With your generosity, we will continue to drive research forward in service to our patients and their families and communities, both locally and globally.

FOR MORE INFORMATION,
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RESEARCH INSTITUTE: OPPORTUNITIES TO INVEST


PEOPLE
INFRASTRUCTURE
PROGRAMS

With a strong scaffolding of institutional support, built through transformative philanthropic investment, our researchers can intensify their focus on scientific inquiry that improves patient care—free to explore their best ideas and fully commit their time and talent to bringing new treatments to patients, faster than ever. The following investment opportunities in people, infrastructure and programs are just some of the ways that philanthropy can help to realize our vision.

People

Ignite Full Potential Through Support for the Next Generation of Scientific Innovators

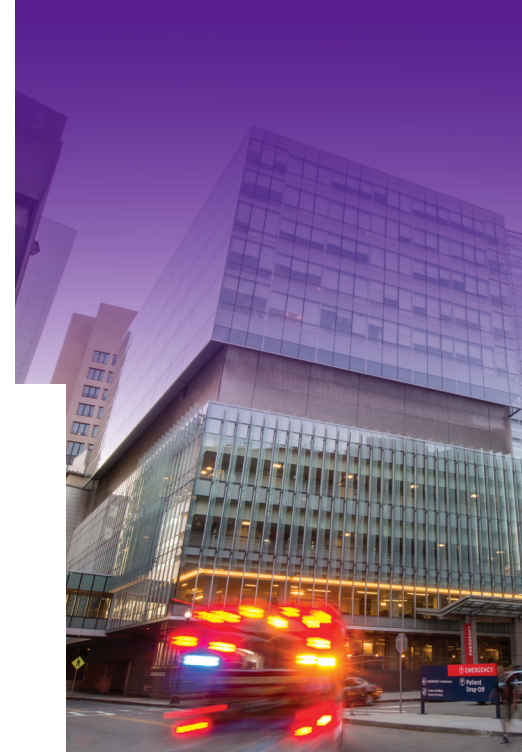
- » **MGH Research Scholars.** This signature Research Institute award program promotes progress in medicine by supporting the best scientists across the hospital, who have innovative ideas that may be considered too “out of the box” for traditional funding sources. Endowing this program or individual awards secures support for future generations of extraordinary scientists, many of whom serve as hospital and community leaders.
- » **Endowed MGH Research Institute Chairs.** Endowed chairs create an enduring reservoir of support and help us recruit and retain world-class scientists who are leaders in their fields and across the hospital. These accomplished senior researchers provide essential training and mentorship for the next generation of scientists.
- » **Scientific Leaders.** We have built a diverse, passionate team of research leaders who will execute bold and visionary scientific programs. Opportunities exist to support roles that are key elements of the Research Institute infrastructure, including naming of the Scientific Director and Thematic Research Center Director positions.
- » **Promote Diversity.** We sponsor award programs that support scientists and future scientists who are underrepresented in medicine, at all stages of their development, from college and medical school through mid-career. Supporters of these programs have the opportunity to advance equity in science and medicine.

Infrastructure

Accelerate the Pace of Lifesaving Discovery Today and Beyond

- » **The Mass General Research Institute.** By providing sustainable, focused, flexible and historic funding to endow the Mass General Research Institute, a naming donor will be part of every scientific breakthrough made by our interdisciplinary teams. This opportunity would connect the donor to major scientific progress, support the Research Institute’s major initiatives and provide investigators with critical support to pursue emerging and rapidly evolving research opportunities.

Bold Breakthroughs. Compassionate Care. Revolutionary Results.



- » **Thematic Research Centers.** The Mass General Research Institute is home to five thematic research centers where clinicians and scientists chart new terrain in biomedical research to treat and prevent human disease, and bring the latest advances to patient care. Support the Center for Computational and Integrative Biology, the Center for Genomic Medicine, the Center for Regenerative Medicine, the Center for Systems Biology or the Wellman Center for Photomedicine.
- » **Translational and Clinical Research Centers.** Providing infrastructure for researchers from academia and industry who seek to conduct patient-oriented research, these centers are an essential link in the chain connecting scientific discovery to advances in patient care. Invest in this bridge between research and clinical care.

Special Programs and Initiatives

Catalyze Interdisciplinary Research and Bench-to-Bedside Collaboration

- » **Challenge-Driven Research Programs.** Over 230 investigators from 21 departments and centers are organized across eight unique research programs that are driven by pressing clinical problems, galvanizing new thinking and collaboration to address fundamental biological processes common to many diseases: Cardiometabolics, Microbiome, Epigenetics, Cancer Immunotherapy, Neuroinflammation in Neurodegeneration, Rare Diseases, Antimicrobial Resistance and Sleep.
- » **Interim Support Funding.** Donors have the ability to bridge the unexpected funding gaps scientists encounter during a lapse or delay in their research funding from the NIH or another federal agency, ensuring that lifesaving research continues without disruption.
- » **Bridging Academia and Industry.** Driving forward the translation of scientific breakthroughs to innovative health care solutions, this educational program teaches research faculty (MDs and PhDs) the importance of academia-industry partnerships, the language that makes the dialogue effective and what it takes to bring an idea from the lab to clinical practice.
- » **Advance Equity.** Addressing structural inequity in research, we run programs that engage diverse communities and individuals, including community engagement programs and a summer research internship program for college and medical students of diverse backgrounds.

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