

Class 45

Ophthalmic Innovation & Techno x +

nyee.edu/research/ophthalmic-innovation-technology

New York Eye and Ear Infirmary of Mount Sinai

Make a Gift Pay My Bill For Professionals MSHS



New York Eye and Ear Infirmary

212-979-4000 New York Eye and Ear Infirmary
310 E. 14th Street
New York, NY 10003

About Us Find a Doctor Patient Care Education Research and Innovation Your Visit NYEE Celebrates 200 Years Search

Home > Research and Innovation

Share f t in e



Research and Innovation

- Ophthalmic Research and Innovation
- The Shelley and Steven Einhorn Clinical Research Center
- Eye and Vision Research Institute

6:55 PM 3/29/2022


Ophthalmic Innovation & Techno x +

nyee.edu/research/ophthalmic-innovation-technology

New York Eye and Ear Infirmary of Mount Sinai

Make a Gift Pay My Bill For Professionals MSHS

About Us Find a Doctor Patient Care Education Research and Innovation Your Visit NYEE Celebrates 200 Years Search



Ophthalmic Innovation and Technology Program

At New York Eye and Ear Infirmary of Mount Sinai (NYEE), we've been on the cutting edge for 200 years and counting. By assembling a world-class team of researchers and clinicians, NYEE is accelerating the development of innovative surgical approaches, treatment breakthroughs, and enhanced imaging technologies to address the most difficult eye diseases. Driving this effort is the Ophthalmic Innovation and Technology Program, committed to taking the best and brightest ideas originating both within and outside NYEE, and safely and effectively inducing them to patients with the help of our expert clinicians and external

Ophthalmic Innovation and Technology Program

- miLOOP: Micro-interventional Cataract Surgery
- First Micro-Interventional Robot for Ophthalmic Surgery in US
- Clinical Trials in Ophthalmology
- Otolaryngology Research and Clinical Trials
- Publications

Find a Doctor

https://www.nyee.edu/200years 6:57 PM 3/29/2022

Ophthalmic Innovation & Techno x +

nyee.edu/research/ophthalmic-innovation-technology

New York Eye and Ear Infirmary of Mount Sinai

Make a Gift Pay My Bill For Professionals MSHS

About Us Find a Doctor Patient Care Education Research and Innovation Your Visit NYEE Celebrates 200 Years Search

industry partners.

Our Focus

Micro-interventional technologies are transforming the field of ocular treatment, and the Ophthalmic Innovation and Technology Program is committed to being a national micro-surgical center of excellence. Our mission is to introduce first-in-class technologies that are more than just incremental improvements but rather true disruptive innovations, which open new therapeutic windows into the treatment of eye diseases with a global impact on population health.

NYEE has been a leader in the field, not only by acting as a top recruiting site of clinical trials for some of these products, but also by quickly adapting them into the standard practice of care for our patients. Featured innovations at NYEE include:

- [miLOOP: Micro-interventional Cataract Surgery](#)
- [First Micro-Interventional Robot for Ophthalmic Surgery in US](#)

Interdisciplinary Engagement

Across all our work, collaborations are increasingly critical to success. NYEE's innovation program has created an ecosystem for advancing research into the


Contact Info

Ophthalmic Innovation and Technology

Address:
310 East 14th Street
New York, NY 10003

Phone: 212-979-4763

Meet the Director



https://www.nyee.edu/visit

6:58 PM 3/29/2022

Ophthalmic Innovation & Techno x +

nyee.edu/research/ophthalmic-innovation-technology

New York Eye and Ear Infirmary of Mount Sinai

Make a Gift Pay My Bill For Professionals MSHS

About Us Find a Doctor Patient Care Education Research and Innovation Your Visit NYEE Celebrates 200 Years Search

patient domain. First and foremost, we try to support any organic projects, clinical ideation, research, and studies that originate internally from our own faculty, residents, and volunteer staff. However, we are also outward facing, actively looking to introduce innovation from the outside into Mount Sinai's clinical ecosystem—new technologies, diagnostic modalities, and therapies. This new way of approaching problems is often an intricate and non-linear process that requires cross-functional activities and close collaboration with investigators, industry sponsors, start-ups, the Small Business Innovation Research (SBIR) program, and local institutional review board (IRB), to name a few.

Capitalizing on Internal Strengths


Among our internal partners are [The Shelley and Steven Einhorn Clinical Research Center](#), which provides a comprehensive infrastructure for the many clinical trials undertaken by NYEE, often in conjunction with pharmaceutical and other academic institutions. The Einhorn Clinical Research Center was among the country's top recruiting sites for the CyPass Micro-Stent and the InnFocus MicroShunt® Glaucoma Drainage System. Another valued internal partner is NYEE's Advanced Retinal Imaging Lab, whose scientists and technicians have excelled at finding innovative new approaches to early disease detection.

The Ophthalmic Innovation and Technology Program is also capitalizing on Mount

Tsontcho A Ianchulev, MD

Director of Ophthalmic Innovation and Technology

[View Full Bio](#)



https://www.nyee.edu/visit

6:58 PM 3/29/2022

Ophthalmic Innovation & Techno x +

nyee.edu/research/ophthalmic-innovation-technology

Google New Tab Google search swiss trade...

New York Eye and Ear Infirmary of Mount Sinai

Make a Gift Pay My Bill For Professionals MSHS

About Us Find a Doctor Patient Care Education Research and Innovation Your Visit NYEE Celebrates 200 Years Search

Sinai's vast range of basic science and translational research capabilities. This often means teaming up with such highly respected organizations as the [Icahn Institute for Genomics and Multiscale Biology](#), the [Black Family Stem Cell Institute](#), the [Friedman Brain Institute](#), and the [Eye and Vision Research Institute at NYEE](#).

Developing cutting edge treatments requires commercializing them if patients are to benefit, and NYEE is able to leverage [Mount Sinai Innovation Partners \(MSIP\)](#). MSIP opens the door to new relationships with pharmaceutical, biotechnology, and medical device companies to license and bring to market innovative ideas originating within NYEE laboratories.

COVID-19 Staff Resources | Mount Sinai Today Blog | 1-800-MD-SINAI

Choose a location

https://www.nyee.edu/200years

6:59 PM 3/29/2022

Ophthalmic Innovation & Techno x +

nyee.edu/research/ophthalmic-innovation-technology

Google New Tab Google search swiss trade...

New York Eye and Ear Infirmary of Mount Sinai

Make a Gift Pay My Bill For Professionals MSHS

About Us Find a Doctor Patient Care Education Research and Innovation Your Visit NYEE Celebrates 200 Years Search

COVID-19 Staff Resources | Mount Sinai Today Blog | 1-800-MD-SINAI

Choose a location

<p>Patient Information</p> <ul style="list-style-type: none"> Pay My Bill International Services Mount Sinai Access Find a Doctor Patient Representatives Offices Language and Accessibility Health Library Clinical Trials 	<p>Research & Education</p> <ul style="list-style-type: none"> Icahn School of Medicine at Mount Sinai Medical Education Graduate Education Research Find Faculty Phillips School of Nursing 	<p>For Health Professionals</p> <ul style="list-style-type: none"> Transfer a Patient Mount Sinai Connect Refer a Patient Nursing Hospital Sponsored Programs Medical Staff Services
--	---	---

©2022 Icahn School of Medicine at Mount Sinai

Contact Us Careers Terms & Conditions Privacy Policy HIPAA Privacy Practices Compliance

Non-Discrimination Notice Insurance Information Vendors

https://www.nyee.edu/visit

6:59 PM 3/29/2022