



Dartmouth
GEISEL SCHOOL OF
MEDICINE

**Office of
MEDICAL STUDENT
RESEARCH**

Weekly Newsletter

Sep 10, 2026



**Research Opportunity in
Ophthalmology**

**Research Opportunity
in Medical Education**



PI: Dr. Virginia Lyons

Student lead: Neechi Okwor



Interested in eyeballs research ? Curious about AI in medicine?

Dr. Benton Chuter and Dr. Fae Kayarian, Ophthalmology residents at Dartmouth Hitchcock Medical Center, would like to meet you! They are looking for mentees to guide through computational ophthalmology projects, applying machine learning to eye imaging and clinical data. Projects can lead to co-authorship on publications and conference presentations. Prior dev, stats, or research experience is helpful but not required, just curiosity, good communication, and love of science!

The commitment is flexible and remote-friendly. To reach out, email bentonchuter@gmail.com with the subject line "AI Ophtho Research Opportunity"

We are looking for an **M1 student** to join a project about attendance in the pre-clerkship phase. The idea/design for this project was proposed/created by Neechi Okwor, a current M3 student at Geisel.

We aim to answer the following questions with this study:

- 1) What factors influence attendance policy design and implementation in the pre-clerkship phase of medical education?
- 2) What types of sessions in the pre-clerkship phase of training are required and how is this determined?
- 3) Do schools utilize technology such as lecture recordings to allow remote learning in lieu of in-person attendance?
- 4) Did the COVID pandemic influence student attitudes and behaviors about attendance?
- 5) What consequences occur if students do not adhere to the attendance policy?
- 6) Are there best practices regarding policy design and attendance tracking that could be shared widely among US Medical Schools?

Interested students, please reach out to Neechi Okwor
(**Neechi.F.Okwor.MED@dartmouth.edu**)

Others Opportunity in Medical Education Research

1. Neuroscience-Informed Learning & Education (NILE) Lab

An interdisciplinary group of educators, cognitive neuroscientists, data scientists and clinicians studying the conditions for optimal learning in the health sciences.

Current work includes retrieval-based learning and the biopsychosocial factors behind knowledge acquisition in medical school; generative AI tools for precision medical education, including the AI Patient Actor app for clinical communication practice and the NeuroBot teaching assistant, which answers questions from course materials; and learner-centered educational experiences co-created with students, with a focus on evidence-based practice and equity.

Contact: Thomas Thesen, PhD · Thomas.Thesen@dartmouth.edu

2. Ultrasound-Guided Procedural Skills Simulation

Medical education research projects developing creative simulation training activities that teach ultrasound-guided procedural skills using human cadavers and cost-effective materials. Upcoming projects involve procedures such as central line placement and ultrasound-guided node biopsy.

Contact: Nena Mason, PhD · nena.mason@dartmouth.edu

3. Biochemistry by Clinical Presentation App

A study of how effectively the Biochemistry by Clinical Presentation app integrates foundational science into the clerkship years — and what that integration does for student learning.

Contact: Larry Myers, PhD · larry.myers@dartmouth.edu

Join Us for the 8th Annual Brain Science Day!

We welcome submissions related to brain science, including posters presented in the past 12 months or oral presentations in clinical studies, basic science, and case reports.

How to Register:

Please let us know of your anticipated attendance (in person or virtually) here: <https://dartgo.org/brain-science-day2026>

If you have any questions, please email Lei (Neurology) at lei.wang@hitchcock.org or Diana (Psychiatry) at Diana.J.Wallin@hitchcock.org. Don't miss this opportunity to share your research and join a vibrant community dedicated to advancing brain science research. Together, we can unravel the mysteries of the brain!

We look forward to your participation!

☀️ Join Us for the 8th Annual Brain Science Day! ☀️

Calling all researchers, students, and healthcare professionals!

Join us again this year as the Departments of Neurology, Psychiatry, and Neurosurgery host a showcase of innovative research, exchange ideas, and connect with colleagues across disciplines.

Last year's joint Research Day was a tremendous success, and we are excited to see even more groundbreaking ideas, meaningful discussions, and inspiring collaborations this year!

 **Date:** Friday, November 13, 2026
 **Location:** Auditorium E & F, Dartmouth-Hitchcock Medical Center (DHMC)
 **Time:** 10:30 AM – 4:30 PM
 **Catering:** Complimentary lunch and afternoon refreshments will be provided.

What to Expect:

- **Poster Sessions:** Present your research and innovations while networking with fellow researchers and leaders in Neurology, Psychiatry, and Neurosurgery, and our collaborators at Dartmouth College.
- **Grand Rounds/Keynote Speaker:** Dr. Jenifer Gelinas, MD, Ph.D., University of California, Irvine, Center for the Neurobiology of Learning & Memory.
- **Research Updates:** Stay informed with cutting-edge findings and advancements shaping the future of brain science.
- **Flash Talk Lectures:** Dynamic 5–10 minute presentations from Neurology, Psychiatry, Neurosurgery, designed to spark curiosity and discussion on critical topics in brain science.
- **Panel Discussion:** Explore opportunities for research collaborations to drive innovation and tackle challenges in the field.

Who Can Present:

We welcome submissions related to brain science, including posters presented in the past 12 months or oral presentations in clinical studies, basic science, and case reports.

How to Register:

Please let us know of your anticipated attendance (in person or virtually) here: <https://dartgo.org/brain-science-day2026>

If you have any questions, please email Lei (Neurology) at lei.wang@hitchcock.org or Diana (Psychiatry) at Diana.J.Wallin@hitchcock.org.

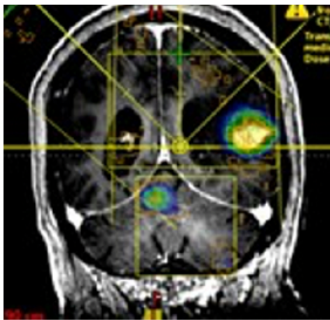
Don't miss this opportunity to share your research and join a vibrant community dedicated to advancing brain science research. Together, we can unravel the mysteries of the brain!

We look forward to your participation!

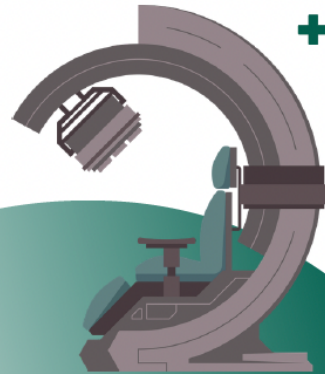
RADIATION ONCOLOGY OPEN HOUSE

DATE: MON 9/14
TIME: 5PM – 6:30PM
LOCATION: DHMC 2K

VISIT THE DEPARTMENT FOR A TOUR + MEET
WITH FACULTY, RESIDENTS AND OTHER
STUDENTS + FOOD AND REFRESHMENTS!



**RSVP BY 9/10
FOR FOOD!**



Dartmouth
Health



Dartmouth
GEISEL SCHOOL OF
MEDICINE

Dartmouth Radiation Oncology Research Retreat

Saturday, October 24, 2026, 7:30 a.m.-12:00 p.m. ET

Dartmouth Hitchcock Medical Center, Auditorium G (in person & Webex)

Presentation Format and Time Guidelines

To be fair to everyone involved, each investigator will have 20 minutes to set up, present, and answer questions. Each investigator will present no more than 20 slides.

If you are interested in presenting your research at the retreat please email your title slide to [Dr. Charles Thomas](#) on or before 10/1/26.

Title Slide

List the investigator's

- Name
- Department, section, and/or center
- Title
- DCC research appointment (if applicable)
- DCC shared resources used (if applicable)
- Specialty training
- Current areas of expertise

NIH Medical Research Scholars Program



NIH Medical Research Scholars Program (MRSP) (Applications Are Now Open)

The NIH Medical Research Scholars Program (MRSP) is a 10.5–12-month, in-person research immersion program designed for future clinician-scientists. Scholars engage in basic, clinical, translational, or epidemiological research and receive structured mentorship, professional development, and research-focused education.

Eligibility: Open to U.S. citizens or permanent residents currently enrolled in their 2nd, 3rd, or 4th year of an accredited medical, dental, or veterinary

program.

Application is open Sept. 1, 2026 to Dec. 1, 2026.

For more information and application details, please visit the [NIH MRSP website](https://www.cc.nih.gov/training/mrsp). <https://www.cc.nih.gov/training/mrsp>

Upcoming Event

The Geisel School of Medicine Events Calendar

Students are encouraged to check the Events Calendar to stay updated on upcoming research talks and Grand Rounds sessions.

<https://geiselmed.dartmouth.edu/calendar/index.php?m=9&y=2026&v=m>

Scholarly Manuscripts by Geisel Students

Geisel students continue to drive innovation through research, contributing to peer-reviewed publications across clinical medicine, global health, and more. Their scholarly work reflects a deep commitment to scientific inquiry and advancing patient care. Each year, our students co-author numerous manuscripts, showcasing their passion for discovery and academic excellence.

<https://geiselmed.dartmouth.edu/student-research/research-papers-by-geisel-students/>

Students are requested to submit their published manuscripts to be archived in the Student Manuscript section of the website.



Annual Medical Student Research Fair 2026

The Office of Medical Student Research hosted the **Annual Medical Student Research Fair 2026** on September 3 at the DHMC. The event brought together **27 departments and research teams** from Dartmouth Health and Geisel, giving medical students opportunities to explore research projects, connect with faculty and mentors, and discover

research opportunities early in their medical education.

Thank you to all the faculty, research teams, departments, and students who helped make this year's Research Fair a success!

<https://geiselmed.dartmouth.edu/student-research/2025-26-academic-year/>



Systematic and scoping review service

The Medical and Health Sciences Libraries (MedLib) Libraries offer systematic and scoping review support for Dartmouth and DHMC faculty, staff, and students. Services include consultation, training, and librarian collaboration, with priority options available for grant-funded projects. Capacity is limited, so requests are accepted on a first-come, first-served basis.

Learn More :

<https://www.library.dartmouth.edu/medlib/research-support/systematic-review>



Geisel School of Medicine at Dartmouth
Office of Student Research
66 College St. , Remsen Medical Science Building , Room 230
Hanover, NH 03755-1404
603-646-5551

