



Outlook

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## Research Weekly Newsletter : Sep/17/2026

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**From** Medical Student Research <Medical.Student.Research@dartmouth.edu>

**Date** Thu 9/17/2026 10:34 AM

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DARTMOUTH  
GEISEL SCHOOL OF  
MEDICINE

Office of  
MEDICAL STUDENT  
RESEARCH

# Weekly Newsletter

Sep 17, 2026



## Research Opportunity in Ophthalmology



**Interested in eyeballs research ? Curious about AI in medicine?**

Dr. Benton Chuter and Dr. Fae Kayarian, Ophthalmology residents at DHMC, 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](mailto:bentonchuter@gmail.com) with the subject line "AI Ophtho Research Opportunity"

## 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](mailto: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](mailto: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](mailto:larry.myers@dartmouth.edu)

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🌟 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://redcap.hitchcock.org/surveys/?s=8RD3CEX9NEDRL7J3>

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



## Remote Clinical Outcomes Plastic Surgery Research Opportunity – University of Pittsburgh

The Department of Plastic Surgery at the University of Pittsburgh is seeking highly motivated medical students to participate in remote clinical outcomes research.

Research projects focus on topics such as health disparities, leadership, and medical student education, among other areas. As a remote researcher, you will work with University of Pittsburgh faculty, residents, and student leaders in the field of plastic surgery.

Learn More : <https://www.plasticsurgery.pitt.edu/research/research-fellowships-and-scholarships>

Application opens now !

[https://pitt.co1.qualtrics.com/jfe/form/SV\\_6m9xMcyRX0Fjy7Q](https://pitt.co1.qualtrics.com/jfe/form/SV_6m9xMcyRX0Fjy7Q)

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<https://medtechcollab.org/conference/>

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## **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

**Application Open: Sept 1, 2026 – Dec 1, 2026**  
[Click to Apply](#)

## National Institutes of Health Medical Research Scholars Program

*The premier pre-doctoral training program, shaping the future of health by inspiring careers in biomedical research as clinician-scientists*

**World Class Research**

Access to the technical and clinical resources of over 300 NIH laboratories

**Mentorship**

Close supervision of research project by senior NIH investigator

**Career Development**

Curriculum of lectures, rounds, journal clubs, and leadership forums

**Networking**

Connect with leading national experts across varied career fields

**Eligibility**

For U.S. citizens and permanent residents currently enrolled in an LCME accredited medical, AOA accredited osteopathic, CODA accredited dental, or AVMA accredited veterinary programs, and in their 2nd, 3rd, or 4th year. Interested students should have strong interest in conducting basic, clinical, or translational research.

**Informational Webinar**  
**October 8, 2026**  
**1PM EST**  
[REGISTER](#)



**NIH** Office of Clinical Research Training and Medical Education  
 Contact: [MRSP@mail.nih.gov](mailto:MRSP@mail.nih.gov)

### 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.**

The NIH MRSP Team will conduct a live, virtual informational webinar on *Thursday, October 8th at 1:00PM (EST)*. [Click Here to Register](#)

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

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## Upcoming Event

### Co-curricular interdisciplinary seminars

Date/Time : Oct/8/2026 at 7-8 AM at Chilcott Auditorium

Topic - How to Design a Research Study by Dr. Tim Gardner

### 2026 Annual Geisel Biomedical Research Day

Date /Time : Dec/3/2026 at 9 am to 4pm

Location : DHMC

### Annual M2 Students Poster Night

Date /Time : Dec/3/2026 at 5 pm - 7pm

Location: DHMC

### 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>

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## 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.

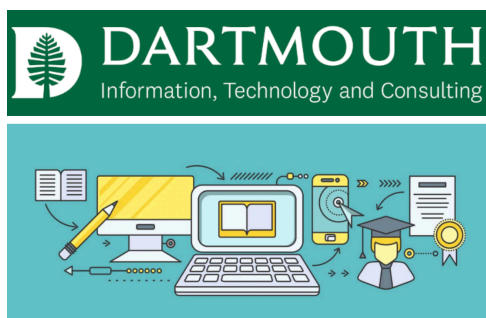


## Annual Medical Student Research Fair 2026

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/>



## Workshops & Research Support -- AI, Python, R, HPC and more for Reproducible Research

Research Computing and Data at ITC and the Dartmouth Libraries are excited to offer a series of workshops to support research and learning at

Dartmouth.

The Reproducible Research Group, a collaboration between Dartmouth Libraries and ITC, is kicking off the new academic term with a full slate of workshops!

This term's workshops are designed to empower researchers with a wide range of tools and strategies for managing research projects, working with data in R and Python, using AI tools, and much more.

Learn More :

<https://libcal.dartmouth.edu/calendar/reproducibleresearch?cid=17691&t=d&d=0000-00-00&cal=17691&inc=0>



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