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Dartmouth
GEISEL SCHOOL OF
MEDICINE

Office of
MEDICAL STUDENT
RESEARCH

Weekly Newsletter

Oct 9, 2025

The Student Research Office is actively supporting medical students throughout their research journey, serving as a central resource to help navigate onboarding requirements and connect with opportunities across departments. The office regularly shares active research projects and offers guidance on how to get involved.

Students are strongly encouraged to visit the office at Remsen 230 for any research-related information and to begin their research journey.

Contact: Medical.Student.Research@dartmouth.edu



Geisel Annual Medical Student Research Poster Night

Date: Wednesday, October 22, 2025 , Time: 5:30 PM – 7:30 PM

Location: DHMC – Williamson Levels 3 & 4

Important : Poster Submission Deadline: October 9, 2025 (for printing)

Research Awards

- 🏆 Best Clinical Poster
 - 🏆 Best Foundational Poster
 - 🏆 Best Medical Education Poster
 - 🏆 Best DEI Poster
-

Recent News

Geisel Launches Learning Collaboratives for Flourishing in Medical Education

<https://geiselmed.dartmouth.edu/news/2025/geisel-launches-learning-collaboratives-for-flourishing-in-medical-education/>

New Report Describes Rural Health Challenges and Action Steps

<https://geiselmed.dartmouth.edu/news/2025/new-report-describes-rural-health-challenges-and-action-steps/>

Geisel's Rural Health Scholars Student Co-Directors Talk About the Year Ahead

<https://geiselmed.dartmouth.edu/news/2025/geisels-rural-health-pathway-of-distinction-student-co-directors-talk-about-the-year-ahead/>



Featured Opportunities



Transplant Surgery Research Projects

Abraham Matar, M.D.
Assistant Professor of Surgery, Division
of Transplantation
Dartmouth Hitchcock Medical Center

Research focuses on clinical database projects analyzing outcomes in kidney, pancreas, and liver transplantation.

We are seeking medical students, graduate students, or trainees who are interested in collaborating on a variety of projects related to clinical outcomes in transplantation. Applicants with a background in biostatistics are particularly encouraged to reach out.

Students interested in these research opportunities are encouraged to contact Medical.Student.Research@dartmouth.edu for more information and guidance.



Psychiatry Research

Addiction Research : Work in this area includes smoking cessation, tobacco dependence, substance use interventions, cannabis and cognition, digital assessment tools, big data approaches to suicide prevention, and psychosocial treatments for co-occurring disorders.

Clinical Interventions : Faculty develop and evaluate innovative interventions for diverse populations.

Research Areas include;

- Brain stimulation and psychotherapy
- Trauma-informed care
- Digital mental health tools
- Caregiver and music therapy support
- GI behavioral health
- Interventions for dementia, PTSD, and serious mental illness

Students interested in these research opportunities are encouraged to contact Medical.Student.Research@dartmouth.edu for more information and guidance.



Research in Diagnostic Radiology

Robert Jeffery Fellowship

The Robert F. Jeffery Student Fellowship in Radiology is a one-year opportunity for M2, M3 and M4 Geisel students at DHMC, combining clinical, educational, and research experiences. Recipients receive an annual stipend.

Application Deadline: December 15 (for the following year)

<https://geiselmed.dartmouth.edu/student-research/hospital-specialty-specific-research-opportunities/>

Samuel D. Pressman Fellowship in Medical Imaging, Precision Health & AI

This fellowship offers Geisel M.D., Ph.D., M.S., and M.P.H. students the chance to conduct research at the intersection of imaging, AI, and precision health. Fellows receive mentorship from Radiology and CPHAI faculty, present at Grand Rounds, and work toward publication.

Applications Open: Fall 2025 (Updated deadlines and timelines will be shared soon.)

Requirements: Specific Aims (≤ 0.5 pg), Research Proposal (≤ 1.5 pg), CV, and transcript.

Contact: Dr. Jessica Sin – jessica.m.sin@hitchcock.org

Students interested in these research opportunities are encouraged to contact Medical.Student.Research@dartmouth.edu for more information and guidance.

Dartmouth Radiology Summer Research Internship

The Dartmouth Radiology Summer Research Internship will enable MD students at Geisel to engage in innovative and emerging areas of research in the field of radiology.

\$6,000.00 will be provided to the successful candidate for pursuing a research project that meets the criteria set forth above. This project would be expected to span a 10-week period over the Summer of 2026.

More information : <https://geiselmed.dartmouth.edu/student-research/2026-geisel-dhmc-summer-research-project-opportunities/>

Interested in doing research in summer 2026?

Explore the 2026 Geisel/DHMC Summer Research Project Opportunities here: <https://geiselmed.dartmouth.edu/student-research/2026-geisel-dhmc-summer-research-project-opportunities/>

Application Now Open: Sept 1, 2025 – Dec 1, 2025
[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 9, 2025
1PM EST
[REGISTER](#)



 Office of Clinical Research Training
and Medical Education
Contact: MRSP@mail.nih.gov

Follow us!
@NIHClinicalCntr 



2025 ACP New Hampshire Chapter Annual Scientific Meeting
Friday, October 17, 2025, | Hilton Garden Inn | Lebanon, NH

THE UNIVERSITY OF TEXAS
**MD Anderson
Cancer Center**

Med Students **SOAR** Program

*Medical Students Summer in Oncology at
Anderson Research*

Program starts on June 01, 2026 (8-10 weeks)

Application deadline: January 14, 2026

This NCI-funded program supports first-year medical students participating in rigorous hands-on research experience to promote broader physician participation in all aspects of cancer research.

PROGRAM ACTIVITIES

- Hands-on scientific research with a faculty mentor
- Clinical observations
- Lectures and career conversations
- Interprofessional clinical simulation trainings
- Communication skills workshops/seminars
- End-of-program presentations of research

ELIGIBILITY

- Must be US citizen or permanent resident
- Must have completed first year at LCME- or COCA-accredited U.S. medical school
- Must have interest in cancer research
- Must start on June 1 and commit to full 8-10 week program

SUPPORT

- Stipend and research funds will be provided.



For more information, contact:
SOAR@mdanderson.org
www.MDAnderson.org/SOAR

Program Directors:
Marilee P. Melanson, Ph.D.
Professor, Interventional Radiology Department, Diagnostic Radiology Division
Jillian R. Gunther, M.D., Ph.D.
Associate Professor, Radiation Oncology Department, Radiation Oncology Division
SOAR @ MD Anderson Cancer Center | 2026

Two circular inset images. The top one shows three students looking at a research poster. The bottom one shows a group of students sitting at a table, possibly in a lecture or meeting.

Med Students SOAR Program

The Medical Students Summer in Oncology at Anderson Research (Med Students SOAR) program, funded by the National Cancer Institute, offers first-year medical students an 8–10 week hands-on research experience. Students work with renowned faculty and individualized residents, utilizing laboratory skills

work with renowned faculty on individualized projects, gaining laboratory skills and insights into multidisciplinary, research-driven oncology care through lectures, workshops, clinical observations, and simulations. The program aims to inspire long-term careers in basic, translational, and clinical cancer research.

HVC at Dartmouth: Empowering Students in Research



HVC at Dartmouth Health is sharing resources and supporting students to explore their research interests. Monthly meetings are held on the second Monday of each month, 5–6 PM, in the Vascular Surgery Conference Room (subject to change).

Student-focused sessions cover:

- How to find a research mentor
- Exposures, outcomes, and overlooked factors
- Effect size and its importance
- Surviving survival analysis
- Reading and interpreting observational studies

All students, residents, and fellows are welcome. Please let HVC at Dartmouth know if you plan to attend!

42nd Annual DHMC Cardiovascular Symposium at DHMC

The 42nd Annual Cardiovascular Symposium at Dartmouth offers continuing education in an interactive setting with experts in the field. A broad spectrum of topics in cardiovascular medicine will be covered with an emphasis on recent updates and challenging clinical scenarios relevant to a broad range of clinicians.

Date and Time - Thursday, October 9, 2025, 7:30 AM - 4:35 PM, Online and in person at DHMC, Lebanon, NH

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Credits *SAMA PRA Category 1 Credits*™ (7.75 hours), CME-Designated Participation Credit (7.75 hours)

Register : <https://dh.cloud-cme.com/course/courseoverview?EID=153593>

Stephen Marsh Tenney, M.D., Medical Student Fellowship

The Department of Molecular and Systems Biology at Geisel School of Medicine invites applications for the Stephen Marsh Tenney, M.D., Medical Student Fellowship. This annual award supports one year of full-time research for an M.D. student, preferably with a faculty mentor in the Department of Molecular and Systems Biology, though research in any Geisel department is eligible.

The fellowship provides a \$43,000 grant (\$40,000 stipend and \$3,000 for research expenses). Interested students for the 2026–2027 academic year (April 2026–March 2027) should discuss their plans with a potential mentor and submit a CV, a two-page research summary, and a mentor letter to Cheryl Bush (Cheryl.A.Bush@Dartmouth.edu)

For more details and faculty mentors, visit
<https://geiselmed.dartmouth.edu/msb/faculty/>

Radiation Onc Medical Student Research Fellowship

Geisel medical students interested in pursuing a dedicated research year in Radiation Oncology are invited to apply for the Radiation Oncology Medical Student Research Fellowship. The fellowship provides a \$35,000 grant (including a \$32,000 stipend) and offers structured mentorship, research experience, and career development under the guidance of Dr. Charles R. Thomas, Jr., Chair of the Department of Radiation Oncology and Applied Sciences.

- Duration: 12 months maximum (10 minimum)
- Offered: medical student
- Faculty: Charles R. Thomas, Jr., MD

For more : Learn from <https://geiselmed.dartmouth.edu/student-research/hospital-specialty-specific-research-opportunities/>

Interested to do research in Medical Education Department ?

Students interested in conducting research in the Department of Medical Education, explore more here : <https://geiselmed.dartmouth.edu/medical-education/>

Looking for something else?

To learn about additional ongoing research projects, visit our website or reach out to our office. <https://geiselmed.dartmouth.edu/student-research>

We're here to help you find opportunities that match your interests and goals.

Upcoming Events

Research Education Series

Co-curricular interdisciplinary seminars

When: November 5 | 7:00 AM – 8:00 AM

Where: Chilcott

Topic – Research Ethics by Dr. Gardner

Geisel Annual Medical Student Research Poster Night

Date: Wednesday, October 22, 2025 , Time: 5:30 PM – 7:30 PM

Location: DHMC – Williamson Levels 3 & 4

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=2025&d=22>

Upcoming Grand Rounds at DHMC

Oct 6: Discovery Science Series – Adrian Moore | 12–1 PM

Oct 7: Psychiatry Grand Rounds | 8–9 AM

Oct 7: Dermatology Grand Rounds | 12–1 PM

Oct 8: Pediatric Grand Rounds | 8–9 AM

Oct 10: Medicine Grand Rounds | 8–9 AM

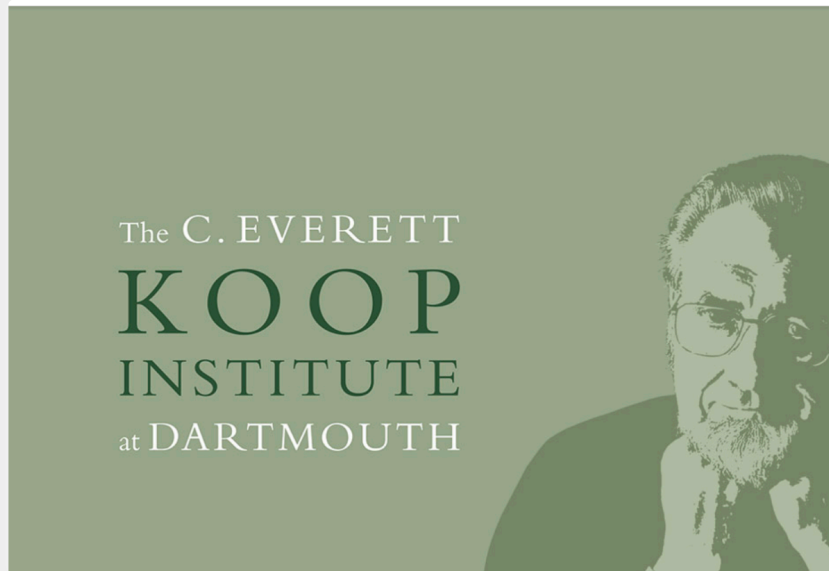
Oct 10: Neurology Grand Rounds | 12–1 PM

For more information : <https://geiselmed.dartmouth.edu/calendar/index.php?m=10&y=2025&d=8>

Koop Symposium

One-day symposium to be held at the Hanover Inn on October 15, 2025 from 8:30am-4:30pm, entitled "Moral Courage in an Uncertain Time: The Legacy of C. Everett Koop."

The event will focus on Dr. Koop's tenure as Surgeon General, advocating for a more vigorous federal response to HIV/AIDS, tobacco use, and other public health challenges.



**7th Brain Science Day –
Neurology, Psychiatry, and Neurosurgery United**

**Friday, November 21, 2025
10:30 am - 4:30 pm
at DHMC (Auditorium E & F)**



Come join us to learn more about the remarkable array of research, scholarship and creative activities conducted by faculty, staff, and students at Dartmouth Health and Dartmouth College

Keynote Speaker: M. Elizabeth Ross, M.D., Ph.D.

Nathan E. Cumming Professor of Neurology and Neuroscience

Chair, Neuroscience Graduate Program

Director, Center for Neurogenetics

Weill Cornell Medicine

10:30 - 11:45 AM Poster Session & Lunch
(Lunch and afternoon refreshments provided)

11:45 - 1:00 PM Welcome and Keynote Speaker: Dr. M. Elizabeth Ross,
Weill Cornell Medicine

1:10 – 2:40 PM Research Updates from Neurology, Psychiatry, Neurosurgery, and
other Departments at Dartmouth Health and Dartmouth College

3:00-4:30 PM Panel Discussion: Fostering Research Collaborations to Drive
Innovation and Address Challenges

Sponsored by: Department of Neurology and Department of Psychiatry
Dartmouth Health and Geisel School of Medicine at Dartmouth College

New England Healthcare Simulation Consortium Conference 2025: Professional Development for Simulation-Based Education and Operations



Monday, November 17, 2025

Registration: 7:00 – 7:45 am

Consortium: 7:45 am – 5:00 pm

Auditoria E and F, Dartmouth Hitchcock Medical Center, Lebanon, NH

OVERVIEW

The 2025 New England Healthcare Simulation Consortium (NEHSC) Conference provides an opportunity for simulation education and operations professionals in our region to come together and learn about professional development in simulation from experts in the field.

LEARNING OBJECTIVE(S)

At the conclusion of this learning activity, participants will be able to:

1. Describe three professional development pathways in healthcare simulation education or operations specialties.
2. List three healthcare simulation resources or opportunities in the New England region.

TARGET AUDIENCE

Healthcare Simulation Professionals from the New England region.

REGISTRATION

The registration fee is \$25. Need-based scholarships are available. Please email amanda.e.sanchez@hitchcock.org with your financial need.

Advance registration is required for planning purposes. Please make every effort to register seven (7) business days in advance of the learning activity. We will not accept walk-in or late registrants on the day of the learning activity.

To register, please visit the event website: <https://dh.cloud-cme.com>. For registration questions, please call (603) 653-1234 or email clpd.support@hitchcock.org.

If you need to cancel your registration, please call (603) 653-1234 or email clpd.support@hitchcock.org. Cancellations should be made five (5) business days in advance of the learning activity.

ACCREDITATION

In support of improving patient care, Dartmouth Health is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

Dartmouth Health designates this live activity for a maximum of 6.0 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Dartmouth Health designates this live activity for a maximum of 6.0 ANCC contact hours.

All other learners may claim CME-designated participation credit. Consult your professional licensing board regarding the applicability and acceptance of CME-designated participation credit for programs certified for credit by organizations accredited by Joint Accreditation for Interprofessional Education.



SCAN ME

REGISTER ONLINE: <https://dh.cloud-cme.com>

Student Spotlight



Julienne Chaqour, MD Class of 2028

Julienne is a 2nd year medical student at the Geisel School of Medicine at Dartmouth. As an undergraduate, she conducted fertility research on the effects of chemotherapies and immunotherapies on the developing fetal ovary and published her findings in *Fertility and Sterility Science*. She also worked as a clinical research intern at Women and Infants Hospital as the lead on the ASPIRe trial, which aimed to assess different surgical outcomes for vaginal vault prolapse.

At Dartmouth, Julienne is an MD Research Scholar and is currently involved in the Christensen Lab implementing partDSA to integrate immune and clinical variables and identify potential prognostic biomarkers in multiple myeloma patients. She is also the recipient of a Community Service Learning (CSL) grant and is working with the Collaborative Cancer Care organization to study the stressors and needs of cancer caregivers.

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.

Interventional Pain Medicine 4 (2025) 100615

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Interventional Pain Medicine

journal homepage: www.journals.elsevier.com/interventional-pain-medicine

A rare presentation of Horner's syndrome following cervical epidural steroid injection

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ARTICLE INFO

Keywords:
Horner's syndrome
Cervical epidural steroid injections
Local anesthetics
Particulate steroids

ABSTRACT

Horner's syndrome is a clinically significant condition caused by disruption of the oculosympathetic nerve pathway, typically presenting with ptosis, miosis, and facial anhidrosis. It can result from serious, life-threatening conditions such as trauma, carotid artery dissection, or malignancy; however, it may also arise from iatrogenic reasons, including stellate ganglion blocks, by other surgical interventions of the head and neck. While exceedingly rare, Horner's syndrome has been reported to occur after a cervical epidural steroid injection. Given the various potential etiologies of Horner's syndrome, prompt evaluation is required to rule out life-threatening conditions in the setting of an acute and unexpected presentation.

This case study describes a presentation of Horner's syndrome following a cervical epidural steroid injection (ESI) for a cervical radiculopathy. Due to the unusual nature, a serious cerebrovascular event was initially considered and urgent evaluation was advised. Fortunately, all symptoms resolved fully within two hours without medical intervention. It has been suggested that local anesthetic diffusion to the preganglionic neurons caused pharmacologic disruption of the sympathetic fibers. This case provides additional evidence to the limited reports of Horner's syndrome after cervical epidurals. It also highlights the importance of minimizing or forgoing local anesthetics, considering non-particulate steroids, and conducting emergent evaluation for new onset of neurological deficits during or after cervical ESIs.

1. Introduction

Horner's syndrome is a disruption of the oculosympathetic nerve pathway. It can present as ptosis, miosis, and facial anhidrosis. Potential life-threatening causes of Horner's syndrome may include head and neck trauma, carotid artery dissection, and malignancy. Meanwhile, stellate ganglion block, an interventional pain procedure, is known to cause a benign, transient presentation. Horner syndrome has also been reported as a complication following lumbar epidural anesthesia, especially in the obstetric population [1]. Given the various potential etiologies, it is important to recognize acute and unanticipated Horner's syndrome within the clinical context to facilitate the appropriate med-

vasovagal reaction, while serious complications include dural puncture, subdural hematoma, epidural abscess, spinal cord injury, and death [2]. Meanwhile, Horner's syndrome is a seldomly reported adverse event. Here we report a presentation of Horner's syndrome after a cervical ESI.

2. Case presentation

31-year-old male without significant medical history presented with acute on chronic neck and upper extremity pain consistent with left cervical radiculopathy. Cervical spine magnetic resonance imaging showed a large disc osteophyte at the entrance of the C6-7 foramen. Despite conservative treatment, the patient's pain continued to interfere

ical treatment.

Cervical epidural steroid injections (ESI) are one of the most commonly performed interventional pain procedures. Typically performed under fluoroscopic guidance, it can treat chronic pain caused by a herniated disc, spinal stenosis, and cervical radiculopathy. The most widely reported side effects are neck pain, headache, insomnia, and

with occupation and activities of daily living. Therefore, the patient decided to proceed with a cervical ESI to help with pain control and potentially avoid surgical intervention.

The patient was placed in the prone position on the fluoroscopy table. The skin entry point was identified under fluoroscopy and cleaned with chlorhexidine preparation. 3 mL of 1 % lidocaine was applied

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GMSJ

GMSJ is a student-led publication dedicated to showcasing the research, insights, and perspectives of medical students. It offers a hands-on opportunity to gain experience in academic publishing, including research dissemination, peer review, and scholarly writing—valuable skills for future careers in academic medicine.

GMSJ welcomes submissions from all fields of research relevant to medicine and healthcare, including but not limited to:

- Clinical Medicine and Practice
- Public Health and Epidemiology
- Biomedical and Basic Science Research
- Medical Education and Training
- Health Policy and Ethics
- Nutrition and Lifestyle Medicine
- Medical Technology and Device Development



Learn more and explore the journal:

<https://gmscholars.com/index.php/gmsj/index>



The Office of Medical Student Research provides access to multiple datasets that can be used for population-based research.

Resource link :

<https://geiselmed.dartmouth.edu/student-research/datasets-for-research/>

The Office of Medical Student Research provides access to Poster Resources and template .



DH Academic Scholar Year Opportunities



Some Geisel students choose to take an additional year to engage in scholarly work within a department or section at Dartmouth-Hitchcock (DH) or The Dartmouth Institute (TDI).

More information:

<https://geiselmed.dartmouth.edu/student-research/hospital-specialty-specific-research-opportunities/>



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