Outlook

Research Weekly Newsletter : Apr/30/2026

From Medical Student Research <Medical.Student.Research@dartmouth.edu>
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To GEISEL_2026@LISTSERV.DARTMOUTH.EDU <geisel_2026@listserv.dartmouth.edu>; GEISEL_2027@LISTSERV.DARTMOUTH.EDU <geisel_2027@listserv.dartmouth.edu>; geisel_2028_md@listserv.dartmouth.edu <geisel_2028_md@listserv.dartmouth.edu>; GEISEL_2029_MD@LISTSERV.DARTMOUTH.EDU <GEISEL_2029_MD@LISTSERV.DARTMOUTH.EDU>; GEISEL_MDPHD_STUDENTS@listserv.dartmouth.edu <geisel_mdphd_students@listserv.dartmouth.edu>
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Dartmouth GEISEL SCHOOL OF MEDICINE | Office of MEDICAL STUDENT RESEARCH

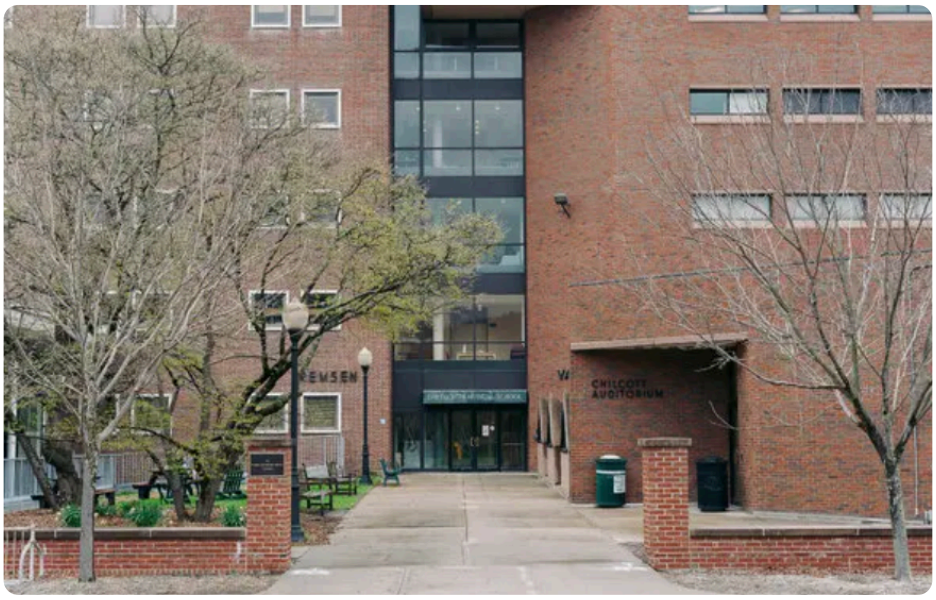
Weekly Newsletter

Apr 30, 2026

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



Upcoming event

M4 Geisel Medical Student Research Paper Competition & Award Event (2026)
May 7th, 2026 I 5:00–7:00 PM at Dartmouth-Hitchcock Medical Center (Auditorium A–D)

Still looking for summer research opportunities ?

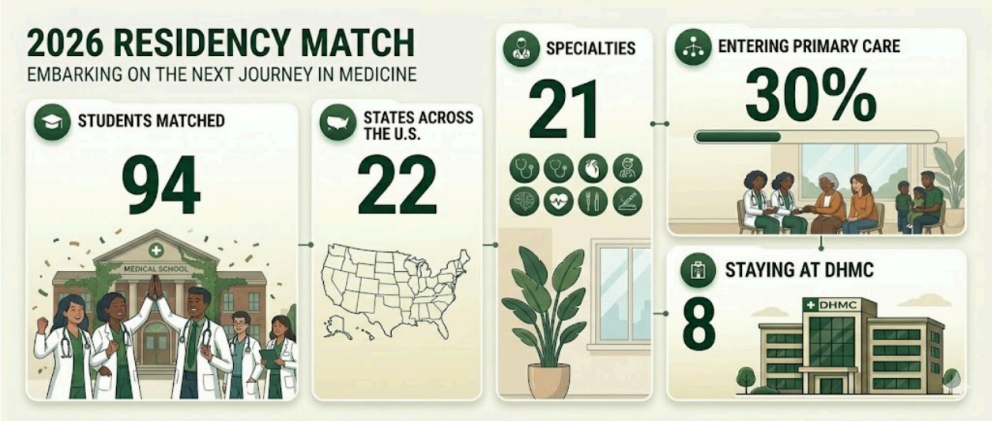
Section of Occupational and Environmental Medicine
Admin : Bailey Starr , Bailey.D.Starr@hitchcock.org
PIs : Drs. David Cockrum, Karen Huyck, and Ian Porter

Research Opportunities Highlights

- **Cutaneous TB Needle Stick Exposure:** Multi-part project to update occupational TB exposure protocols, conduct a systematic review of treatment approaches, and develop a diagnostic algorithm for TB-related sharps injuries and atypical lesions. Opportunities for posters and publications.
- **Return-to-Work Coordination Competencies:** Re-evaluates “soft vs hard skills” in return-to-work coordination using literature review and analysis, with implications for Medicaid work requirements and workforce health policy.
- **Work-Related SIRVA (Vaccine Injury):** Retrospective literature review and possible case series examining injection-related factors associated with Shoulder Injury Related to Vaccine Administration, with relevance to infectious disease and public health.
- **Eidetic Memory Reprocessing (EMR) Case Series:** Retrospective analysis of trauma cases treated with EMR, evaluating pre/post work status and contributing to development of a training program for mental health providers.

- **Return-to-Work App Development:** Collaboration with the DALI Lab to build a patient-centered app supporting work ability and care coordination after injury or illness.
- **Chinese Medicine & Long-COVID Training:** Analysis of survey data from a training program assessing practitioner knowledge, confidence, and clinical application of a Classical Chinese Medicine protocol for Long COVID.
- **Language Access in Employment Resources (New England):** Policy project comparing languages used in employment vs health resources, identifying gaps in accessibility and alignment with population needs, with manuscript potential.

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



Seeking a Geisel medical student to join the NNE CO-OP PCBRN's Annual Meeting Planning Committee!

Are you a medical student with an interest in primary care research? The **Northern New England CO-OP Practice and Community Based Research** based within the Department of Community and Family Medicine, is seeking an enthusiastic student to join the conference planning committee for our 47th Annual Meeting, taking place January 22–24, 2027, at the Equinox Resort in Manchester, VT. Virtual meetings are held on the first Wednesday of each month.
https://geiselmed.dartmouth.edu/nnecooppcbrn/

This is a great opportunity to connect with primary care researchers and clinicians from across the region while playing a hands-on role in shaping a premier primary care research conference.

Interested? Contact NNECO-OPPCBRN@hitchcock.org

Advancing Your Career as a Medical Education Researcher and Scholar

The AAMC is committed to developing a community of leaders in medical education research and scholarship, to drive innovation across the continuum of medical education, from medical school and residency training to continuing professional development.

AAMC's Scholar Development Pathway guides you through each stage of your scholarly journey, from building essential skills to leading at the national level. This flexible framework allows you to progress step by step or to focus on specific areas that match your career goals. Explore each stage below and discover resources to support your growth.

Learn More : https://www.aamc.org/about-us/mission-areas/medical-education/scholar-development#innovation

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Quality Improvement Project Opportunities

Project Name: Enhancement of Career Advising and Professional Development Resources
Project Team: Office of Student Life
Brief Overview: This summer project focuses on strengthening career advising and professional development support across the MD curriculum. The student will assess and organize existing advising resources and incorporate student feedback to improve clarity and accessibility of resources. The project will also support the development of student-facing materials to better support students' professional exploration and decision-making.

Project Name: Program Evaluation & Reaccreditation Preparation
Project Team: Office of Evaluation, Accreditation, and Assessment
Brief Overview: This summer project supports ongoing program evaluation and preparation for upcoming reaccreditation efforts. For program evaluation, the student will support an ongoing evaluation project by helping to identify defining experiences within the medical school curriculum, reflecting on their own experiences and in feedback from their peers. For LCME reaccreditation, they will help build a launch plan for the Independent Student Analysis, helping to identify a timeline of work, tools, and vision.

Project Name: Self-Designed
Project Leads: TBD

Brief Overview: What area of continuous quality improvement at Geisel are you passionate about that is not represented here? Outline your proposal here!

Apply here :
https://dartmouth.co1.qualtrics.com/jfe/form/SV_41jBlm41lvs6zLU

More info: https://geiselmed.dartmouth.edu/md-program/geisel-education-offices/program-evaluation-at-geisel/contact/summer-quality-improvement-projects/

Research Opportunity in Otolaryngology (Head & Neck Cancer) – M1/M2 Student

Class	Med Year	Start Date	End Date	Notes
2030	M1 into M2	2/1/2027	12/21/2027	**1-year research project**: Begin when return from winter break 2026 and ends at beginning of 2027 winter break.
End study December 31st, 2027				Study may end here. Recruit again if continues on.
2031	M1 into M2	1/3/2028	12/21/2028	**1-year research project**: Begin when return from winter break 2027 and ends at beginning of 2028 winter break.
End study December 31st, 2028				Study SHOULD end here. Recruit again if continues on.
2032	M1	1/3/2029	5/31/2029	**5-month research exposure**: Begin when return from winter break 2028 and ends at beginning of 2029 summer break
End study May 31st, 2029				Study may end here. Keep 5-month student on if study continues through the year.
2032	M1 into M2	5/31/2029	12/21/2029	**5-month turns into 1 year project:** Continue through winter break 2029.
End study December 31st, 2029				Worst case, study ends here regardless of data.

The Department of Surgery – Otolaryngology is seeking 1–2 motivated M1 or M2 students per class to participate in an ongoing research project titled:
"Linking BMI and Inflammation as Prognostic Markers for Head and Neck Squamous Cell Carcinoma."

This project examines the prognostic value of BMI and circulating immune markers and how they relate to tumor immune infiltrates and treatment outcomes in patients with head and neck squamous cell carcinoma at Dartmouth Hitchcock. The research is part of an ongoing collaboration with the ENT Surgical Department. Students who are interested in learning more or getting involved are encouraged to contact: **Haille Soderholm : haille.e.soderholm.gr@dartmouth.edu**

Looking for something else?

To learn about additional ongoing research projects, **visit our website** or **reach out to our office**.

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

Upcoming Events

- M4 Geisel Medical Student Research Paper Competition & Award Event (2026) ,May 7th, 2026 I 5:00–7:00 PM at 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=4&y=2026&v=m

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Submit Your Proposal to Present at the 2026 STFM Conference on Medical Student Education

Submissions are **OPEN** to present at the 2027 STFM Conference on Medical Student Education! Submit your proposals to show your work to hundreds of medical student educators February 5–7 in Anaheim, CA. The deadline to submit your proposal is **June 17, 2026**.

Submissions should focus on topics related to undergraduate medical education. We strongly encourage collaborative submissions reflecting the perspectives of all involved in medical student education: department chairs, faculty, coordinators, preceptors, residents, and students. We also welcome engaging and interactive submissions, with an emphasis on encouraging audience participation.

https://stfm.org/conferences/mse/overview/

Student Spotlight

Steven Tau, MD-PhD Candidate (Class of 2026)

Steven is in his final year of the MD-PhD program at Geisel and will pursue a residency in radiation oncology at the Mayo Clinic. Prior to Dartmouth, he studied chemical engineering at University of Rochester and spent a year as a post-baccalaureate fellow at the NCI, working on biomaterials research. He completed his PhD in the lab of Todd Miller, PhD, focusing on the characterization of metabolic changes that occur with endocrine therapy in ER+ breast cancer to find new therapeutic strategies.

Over the past two years, he has worked with Parth Shah, MD to expand the diagnostic capabilities of DH-CancerSeq for precision medicine applications.

His research interests include cancer diagnostics, machine learning, and emerging sequencing technologies.

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.

ScienceDirect

Contents lists available at sciencedirect.com
Journal homepage: www.elsevier.com/locate/jval

Comparative-Effectiveness Research/HTA

Evaluation of Diversity of Clinical Trials Informing Health Technology Assessments in the United States: A 5-Year Analysis of Institute for Clinical and Economic Review Assessments

Foluso Agboola, MBBS, MPH, Abigail C. Wright, PhD, MSc, Serina Herron-Smith, BA, Diya Mathur, BA, David Rind, MD, MSc

ABSTRACT

Objectives: This study aimed to evaluate the diversity of clinical trials informing assessments conducted by the Institute for Clinical and Economic Review.

Methods: This was a cross-sectional study of pivotal trials included in completed Institute for Clinical and Economic Review assessments over 5 years (2017-2021). Representation of racial/ethnic minority groups, females, and older adults was compared with the disease-specific and US population, using a relative representation cutoff of 0.8 for adequate representation.

Results: A total of 208 trials, evaluating 112 interventions for 31 unique conditions, were examined. Race/ethnicity data were inconsistently reported. The median participant-to-disease representative ratio (PDRR) for Blacks/African Americans (0.43 [interquartile range (IQR) 0.24-0.75]), American Indians/Alaska Natives (0.37 [IQR 0.09-0.77]), and Hispanics/Latinos (0.79 [IQR 0.30-1.22]) were below the adequate representation cutoff. In contrast, Whites (1.06 [IQR 0.92-1.2]), Asians (1.71 [IQR 0.50-3.75]), and Native Hawaiian/Other Pacific Islanders (1.61 [IQR 0.77-2.81]) were adequately represented. Findings were similar when compared with the US Census, except for Native Hawaiian/Pacific Islanders, which was substantially worse. Relative to all trials, a higher proportion of US-based trials adequately represented Blacks/African Americans (61% vs 23%, $P < .0001$) and Hispanics/Latinos (68% vs 50%; $P = .047$), but a lower proportion adequately represented Asians (15% vs 67%, $P < .0001$). Females were adequately represented in 74% of trials (PDRR: 1.02 [IQR 0.79-1.14]). Nevertheless, older adults were adequately represented in only 20% of trials (PDRR: 0.30 [IQR 0.13-0.64]).

Conclusions: The representation of racial/ethnic minorities and older adults was inadequate. Efforts are needed to enhance the diversity of clinical trials. Standardized and transparent evaluation of trial diversity should be part of the health technology assessment process.

Keywords: clinical trials, diversity, ethnicity, health technology assessment, older adults, race, sex.

VALUE HEALTH. 2023; 26(9):1345–1352

Introduction

There are concerns about the lack of diversity in clinical trial populations, which has implications for both generalizability and fairness, particularly because new therapies are regularly being introduced in the United States. In 1986, the National Institutes of Health established a policy encouraging researchers to include women and minorities in clinical research, and the US Congress made what had formerly been a policy into public law through a section in the National Institutes of Health Revitalization Act of 1993, as part of an effort to enhance the diversity of clinical trial populations. Similarly, over the last 3 decades, the US Food and Drug Administration (FDA) has created various guidelines for clinical trial sponsors to encourage diverse demographic enrollment.[1,2] Nevertheless, evaluations of clinical trials that support drug and vaccine approvals over the last decade have found that racial/ethnic minorities and women continue to be inadequately represented in clinical trials.[3-10] Other research have also noted that specific demographic information, particularly race and ethnicity, are not adequately captured in clinical trials,[11] further masking the lack of diversity.[12]

As a health technology assessment (HTA) organization that provides evidence-based information on new therapies to help inform pricing, coverage decisions, and patient-centered policies, Institute for Clinical and Economic Review (ICER) focuses on many of the most important therapies coming into the market, often representing the newest technologies with the greatest benefits. Unlike the FDA, which has regulatory authority on the approval of new therapies, ICER's work is intended to help inform pricing, coverage decisions, and patient-centered policies on the use of these therapies. We believed that evaluating the representativeness in a sample of ICER reviews would inform the discussion on

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.

We look forward to reviewing your work and celebrating your contributions to scholarship at Dartmouth!

Just published: Vol. 2 No. 1 (2026) of Graduate Medical Scholars Journal

https://gmscholars.com/index.php/gmsj/article/view/11

🔗 **Learn more and explore the journal:**
https://gmscholars.com/index.php/gmsj/index

Dartmouth Medical and Health Sciences Libraries Research Support

A variety of research support services provided by the Dartmouth Medical and Health Sciences Libraries including information on data searching and management, systematic reviews and analysis, and data sharing and visualization.

For more information : https://geiselmed.dartmouth.edu/student-research/dartmouth-biomedical-research-support-pages/

Interested in an Academic Scholar Year (ASY)?

The Academic Scholar Year (ASY) offers Geisel medical students the opportunity to engage in a structured, rigorous program of academic, scholarly, or research activity. Students remain in good academic standing while pursuing full-time, non-resident scholarly work.

All ASY proposals undergo a formal approval process to ensure high

academic quality and educational value.

Want to learn more?
https://geiselmed.dartmouth.edu/student-research/hospital-specialty-specific-research-opportunities/

Dartmouth GEISEL SCHOOL OF MEDICINE | Office of MEDICAL STUDENT RESEARCH

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