Outlook

Research Weekly Newsletter : Mar/12/2026

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_2029_MD@LISTSERV.DARTMOUTH.EDU <GEISEL_2029_MD@LISTSERV.DARTMOUTH.EDU>
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Dartmouth GEISEL SCHOOL OF MEDICINE | Office of MEDICAL STUDENT RESEARCH

Weekly Newsletter

Mar 12, 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

Scholarly Projects in Medicine Poster Session (M4)
March 26, 2026 I 4pm to 6pm at DHMC

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

Geisel Medical Student Research Award 2026

M4 Student Research Award Event

Eligibility & Submission Requirements

Open to M4 students only

- Research must be conducted at Geisel School of Medicine or Dartmouth Health (DH)
- Each student may submit one full manuscript (published or unpublished) in PDF format by email to **Medical.Student.Research@dartmouth.edu**
- Submission Deadline: **March 15, 2026**
- Manuscripts will be reviewed by the Office of Medical Student Research Team and faculty reviewers, and selected finalists will be notified by email
- The top 3 papers will be selected to present at the Medical Student Research Award Dinner, and the final winners will be chosen by audience vote.

Awards

🥇 **1st Prize: $2,000**

🥈 **2nd Prize: $1,000**

🥉 **3rd Prize: $500**

Semi-Finalist Award:

15 semi-finalists will be selected

Each semi-finalist who attends the award dinner will receive $100

Date: May 7, 2026

Time: 5:00–7:00 PM

Location: DHMC (Auditorium A- H)

For additional information, please contact:
Medical.Student.Research@dartmouth.edu

Summer research projects for 2026 (M1)

Geisel and DH Summer Projects

Explore the **2026 Geisel/DHMC Summer Research Project Opportunities** here:

Updates: More projects have been added to the summer list.

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

2026 Summer Research Work Study Grants

If you are planning a summer project in the Upper Valley (whether that be at Geisel/DH/WRJVA/or other community practice) we encourage you to apply for federal work study grant funds. $2500 will be provided per student for summer research.

The deadline to apply this year is April 17, 2026.

More information : https://geiselmed.dartmouth.edu/student-research/2023-summer-research-work-study-grants/

Research Opportunities *Radiation Oncology & Health Policy* | *Dartmouth Cancer Center*
Katie E. Lichter, MD, MPH

Dr. Katie Lichter is offering several student research opportunities focused on cancer care delivery, climate resilience, and health system sustainability. Projects include evaluating travel burden among rural cancer patients, assessing weather-related disruptions to oncology care, participating in Sustainability & Health Collaborative initiatives, and contributing to a radiation oncology energy audit manuscript for peer-reviewed publication.
Students interested in cancer care equity, sustainability, and systems-level impact are encouraged to reach out for more information.

More info : https://geiselmed.dartmouth.edu/student-research/active-medical-student-research-opportunities/

SCA
SOCIETY OF CARDIOVASCULAR ANESTHESIOLOGISTS

Medical Student Opportunity: National Educational Project in Cardiac Anesthesia

The Society of Cardiovascular Anesthesiologists (SCA) is seeking 2–3 medical students, particularly those interested in anesthesiology, to assist with editing tasks for a national cardiac anesthesia board exam question bank developed by faculty from several major academic institutions.

Time commitment: approximately 1–2 hours per week for 4–6 weeks. Participating students will receive letters of recommendation from project leaders, including Dr. Gina Linganna, Chair of the SCA Education Committee

More information , please reach out to **Dr. Hesham M. Ezz , Hesham.M.Ezz@hitchcock.org**

Harvard Medical School Visiting Clerkship Scholars Program

Sponsored by the Office for Culture and Community Engagement (OCCE) at Harvard Medical School (HMS), the Visiting Clerkship Scholars Program (VCSP) provides an immersive experience for fourth-year and qualified third-year medical students who have demonstrated leadership, a commitment to service, and a passion for advancing equity in health care. Through immersive clinical experiences, mentorship, and programming focused on leadership development, community engagement, and career advancement, scholars will gain insights, needed tools and networks to help them thrive in academic medicine and become future leaders with a focus on health equity.

Benefits

- **Over 200 clerkship options** across the specialties, along with combined programs that provide students with experience at more than one Harvard-affiliate hospital during a single rotation
- **Mentorship and Networking** with faculty and residents across the Harvard-affiliate hospitals, including dinner with faculty, trainees and other VCSP scholars
- **Stipend** to support travel and housing
- **Lectures** focused on leadership skills, community engagement, careers in academic medicine, and advancing health equity.
- **Learning opportunities** about pursuing careers in academic medicine, research, advocacy and policy

Eligibility

- U.S. citizen or permanent resident.
- Full-time third- or fourth-year medical student in good standing at an LCME- or COCA- accredited medical school.
- Have completed all core clinical clerkships.
- Have passed USMLE Step 1 and either scheduled for or passed USMLE Step 2.
- Demonstrate a strong commitment to health equity, leadership, and service.

Application

- Complete the online VCSP application: bit.ly/3NpDzpi
- Upload your personal statement and CV
- Secure a letter of recommendation from a faculty member who can speak to your skills in a clinical setting, and your commitments to community and health equity
- Apply to your preferred clerkship through the VSLO application service. Elective courses are posted on the HMS Registrar's Exchange Clerkship page at bit.ly/3aGb83t
- **SUBMIT your completed application no later than March 15, 2026**

Important Notes

- While rotations are available year-round, the Visiting Clerkship Scholars Program is only offered June through October
- Carefully review the deadlines and notification dates for VSLO application. With the exception of candidates applying for the month of June, it will be the case that your application for the Scholars program will be due before the clerkship options for July – October are posted. If you are interested in the Scholars program, submit your application by the March 15 deadline and just note your clerkship area of interest. If selected as a Scholar, we will hold a place for you in the program until you find out if you have received a clerkship placement.
- Spots within the VCSP are limited and some applicants may be placed in a clerkship by the HMS registrar but not be accepted into the VCSP. In those cases, the applicant may still participate in their clerkship, but will not be able to participate in the VCSP program.

Participating Hospitals

- Beth Israel Deaconess Medical Center
- Boston Children's Hospital
- Brigham and Women's Hospital
- Cambridge Health Alliance
- Dana Farber Cancer Institute
- Joslin Diabetes Center
- Massachusetts Eye & Ear Infirmary
- Massachusetts General Hospital
- McLean Hospital
- Mt. Auburn Hospital
- Spaulding Rehab Hospital
- VA Medical Center

Annual Dartmouth Symposium on Precision Health & AI

📅 April 17, 2026 | 📍 Hanover Inn Grand Ballroom

This event will bring together leaders in artificial intelligence, clinicians, and biomedical researchers to explore the latest advances in AI-driven healthcare.

The keynote speaker, Dr. Jason Moore, Director of the Center for Artificial Intelligence Research and Education at Cedars-Sinai Health, will discuss innovations in medical imaging, automated machine learning, and agentic AI, and how these technologies can help democratize AI in healthcare.
Join us for an engaging day of discussion and collaboration at the intersection of precision health and artificial intelligence.

Registration link :
https://c-phai.org/symposium-2026?utm_campaign=Insider_march102026&utm_medium=email&utm_source=newsletter

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American College of Physicians (ACP) Annaul Meeting

Join ACP and your colleagues in San Francisco, CA, April 16-18, 2026, at the annual marquee educational event for internal medicine physicians and subspecialists around the globe.

Information and Special Sessions for Medical Students
https://annualmeeting.acponline.org/educational-program/information-medical-students

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Magnuson Center for Entrepreneurship at Dartmouth

Magnuson Center Founder Grants

The Magnuson Center Founder Grants support the launch and growth of Dartmouth-founded ideas. These grants award up to $5,000 to an individual or team. Successful applicants should demonstrate a clear entrepreneurial plan, solid background research, and strong commitment to learning and executing their ideas.
Who Can Apply:

- Enrolled full-time undergraduate and graduate Dartmouth students
- Dartmouth faculty
- Dartmouth staff
-

Applicants must be the founder or co-founder of the venture. Each primary applicant can receive a maximum of one Founder Grant per academic year, regardless of venture, with preference given to those who have not yet received funding.
https://magnuson.dartmouth.edu/founder-grants

The Office of Medical Student Research continuously supports students in exploring research opportunities. Students can access information on both internal and external grants to support their research projects.

Updated information on research grants and external funding opportunities has been added to the page. https://geiselmed.dartmouth.edu/student-research/grant-funding/

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

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- 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?y=2026&m=1&v=m

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Student Spotlight

Kali A. Smolen, MD-PhD Class of 2026

Kali is in her final year of her MD-PhD program at Geisel. Prior to coming to Dartmouth, she studied Cell and Molecular Biology at Grand Valley State University in Allendale, Michigan. There, she got interested in research while working in the Wallar Lab evaluating inhbitors for an enzyme that leads to antimicrobial resistance. At Geisel, she completed her PhD in biochemistry in the lab of Dr. Arminja Kettenbach where she studied the regulation of phosphatases in biochemical pathways.

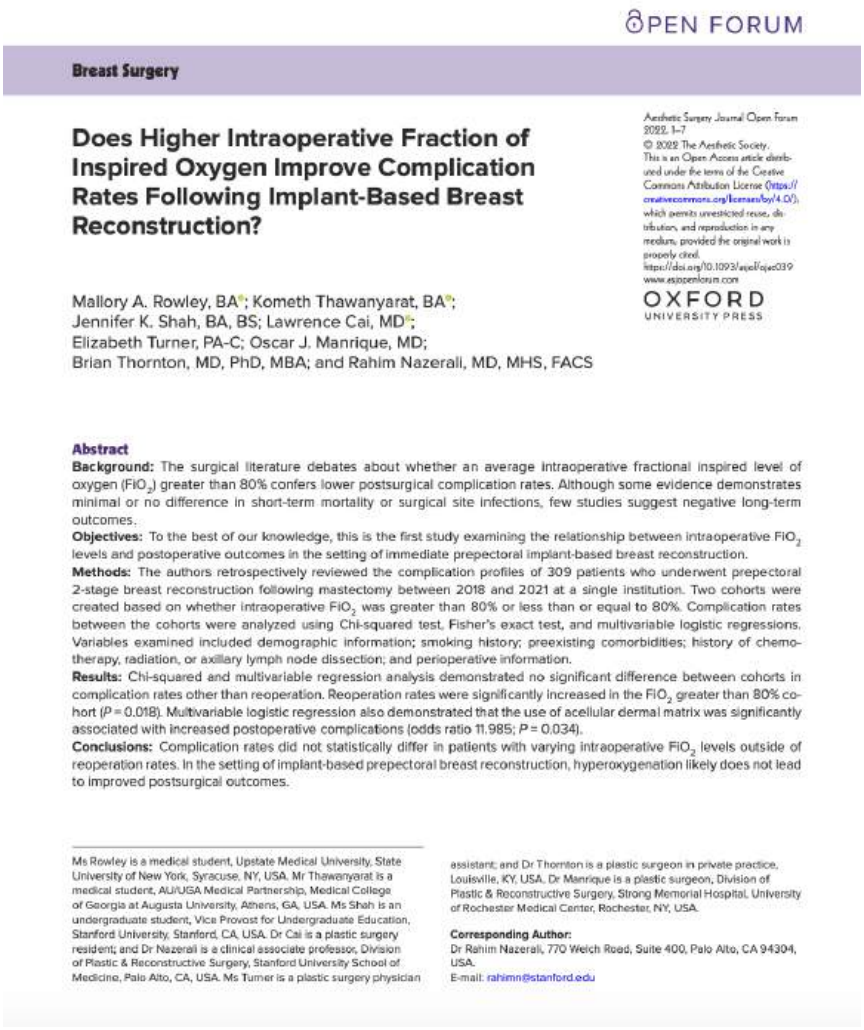
More specifically, her work evaluated de novo mutations in the *PPP2R5D* gene which result in a rare neurodevelopmental disorder known as Jordan's Syndrome. Beyond biochemistry, Kali is very interested in researching various

aspects of healthcare sustainability, including healthcare decarbonization, waste management, and value-based care.
https://scholar.google.com/citations?user=_6I-QC4AAAAJ&hl=en&oi=ao

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.



OPEN FORUM

Breast Surgery

Does Higher Intraoperative Fraction of Inspired Oxygen Improve Complication Rates Following Implant-Based Breast Reconstruction?

Aesthetic Surgery Journal Open Forum 2022, 1–7

https://doi.org/10.1093/asjof/ojac039
www.asjopenforum.com
OXFORD UNIVERSITY PRESS

Mallory A. Rowley, BA; Kometh Thawanyarat, BA; Jennifer K. Shah, BA, BS; Lawrence Cai, MD; Elizabeth Turner, PA-C; Oscar J. Manrique, MD; Brian Thornton, MD, PhD, MBA; and Rahim Nazerali, MD, MHS, FACS

Abstract

Background: The surgical literature debates about whether an average intraoperative fractional inspired level of oxygen (FiO_2) greater than 80% confers lower postsurgical complication rates. Although some evidence demonstrates minimal or no difference in short-term mortality or surgical site infections, few studies suggest negative long-term outcomes.

Objectives: To the best of our knowledge, this is the first study examining the relationship between intraoperative FiO_2 levels and postoperative outcomes in the setting of immediate prepectoral implant-based breast reconstruction.

Methods: The authors retrospectively reviewed the complication profiles of 309 patients who underwent prepectoral 2-stage breast reconstruction following mastectomy between 2018 and 2021 at a single institution. Two cohorts were created based on whether intraoperative FiO_2 was greater than 80% or less than or equal to 80%. Complication rates between the cohorts were analyzed using Chi-squared test, Fisher's exact test, and multivariable logistic regressions. Variables examined included demographic information; smoking history; preexisting comorbidities; history of chemotherapy, radiation, or axillary lymph node dissection; and perioperative information.

Results: Chi-squared and multivariable regression analysis demonstrated no significant difference between cohorts in complication rates other than reoperation. Reoperation rates were significantly increased in the FiO_2 greater than 80% cohort ($P = 0.018$). Multivariable logistic regression also demonstrated that the use of acellular dermal matrix was significantly associated with increased postoperative complications (odds ratio 11.985; $P = 0.034$).

Conclusions: Complication rates did not statistically differ in patients with varying intraoperative FiO_2 levels outside of reoperation rates. In the setting of implant-based prepectoral breast reconstruction, hyperoxygenation likely does not lead to improved postsurgical outcomes.

Ms Rowley is a medical student, Upstate Medical University, State University of New York, Syracuse, NY, USA. Mr Thawanyarat is a medical student, AU/UGA Medical Partnership, Medical College of Georgia at Augusta University, Athens, GA, USA. Ms Shah is an undergraduate student, Vice Provost for Undergraduate Education, Stanford University, Stanford, CA, USA. Dr Cai is a plastic surgery resident; and Dr Nazerali is a clinical associate professor, Division of Plastic & Reconstructive Surgery, Stanford University School of Medicine, Palo Alto, CA, USA. Ms Turner is a plastic surgery physician assistant; and Dr Thornton is a plastic surgeon in private practice, Louisville, KY, USA. Dr Manrique is a plastic surgeon, Division of Plastic & Reconstructive Surgery, Strong Memorial Hospital, University of Rochester Medical Center, Rochester, NY, USA.

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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.

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

The Geisel Medical Student Journal (GMSJ) is pleased to announce the publication of **Vol. 1, No. S1 (2025): Special Issue — 2025 Geisel Research Poster Night**.

This special issue highlights outstanding student research presented at 2025

year's Poster Night, showcasing innovative projects, scholarly excellence, and the depth of scientific inquiry within our community.

https://gmscholars.com/index.php/gmsj/issue/view/1-s1_geisel-research-night-2025

Datasets for Research

Multiple datasets are available for use to perform clinical and population-based research. These datasets can be used by researchers to answer specific questions related to population.

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

Dartmouth GEISEL SCHOOL OF MEDICINE | Office of MEDICAL STUDENT RESEARCH

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