

July 2023 Research Newsletter

The Cutting Edge

Do you have a research idea that you think may have the ability to make a splash in the marketplace, but it just needs some funds to help proof of concept? You may want to take a look at the LSU grants for **Leveraging Innovation for Technology Transfer (LIFT²)**.

A primary objective of technology transfer at LSU, like most other research universities nationwide, is the transition of innovations from the academy to the marketplace for public use and benefit. Many discoveries, however, require significant additional development to prove sufficient technical feasibility to attract commercial partners. Funding for this type of research is difficult to obtain from either government or private sources, leaving many promising innovations languishing in a funding gap often referred to as “the valley of death.”

The LIFT² Fund is specifically designed to increase the number of LSU innovations licensed to industry partners. They're generally in the range of about **\$50,000 for a single year** and having gotten one myself I can tell you that the application process isn't the worst thing I've ever been through. The **August 15th submission deadline** is approaching, so if you have any questions or want to see my application that got funded, let me know and I'll be happy to share it with you. Find out everything about the LIFT² Fund [here](#). Y'all stay safe and have a great 4th of July Holiday!

-Herbert Phelan



ACS / AMERICAN COLLEGE OF SURGEONS

Save the Date!
ACS 2023 Clinical Congress
October 22 - 25
Boston, MA

[REGISTER
HERE](#)

“ Do patient care and in your career you'll impact the lives of 2,000 people. Invent a device, and you'll impact the lives of 200,000. Do high quality research, and you'll impact 2,000,000. - James Carrico, MD ”

RESEARCHER HIGHLIGHT

OMEED MOAVEN, MD, FACS



Dr. Omeed Moaven is a surgical oncologist and Assistant Professor at LSUH-NO School of Medicine and LSU-LCMC Cancer Center. He completed his residency and fellowships at prestigious institutions, including Mass. General Hospital, UAB, as well as Wake Forest, and served as an Attending physician at the Mayo Clinic Florida before joining LSU. He actively participates in national professional societies, including the American Hepatopancreatobiliary Association and Alliance for Clinical Trials in Oncology.

Dr. Moaven is establishing the EMPOWER Program (Evaluation, Multimodality Prehabilitation, and Oncology Support: a Well-being Enhancement Resource) at LSUH-NO, a multidisciplinary prehabilitation program for patients undergoing neoadjuvant treatment for HPB/GI malignancies. The program aims to improve patients' physical and nutritional status and provide psychosocial support to enhance outcomes of surgical resection. His translational research focuses on oncolytic virotherapy to improve immunotherapy response for pancreatic cancer by targeting and remodeling the tumor microenvironment.

Dr. Moaven has authored 60+ book chapters and manuscripts in high-impact peer-reviewed journals, including Cell Metabolism, Proceedings of the National Academy of Science, Annals of Surgery, Journal of Clinical Oncology Precision Oncology, the Journal of the American College of Surgeons, Annals of Surgical Oncology, and Cancers. He has served as both editor and reviewer in oncology journals, and his research efforts have received numerous local, regional, and national awards. Notably, he published a study utilizing a multi-institutional international database of colorectal liver metastasis patients who underwent liver resection, developing robust Machine Learning models with high predictive accuracy for patient outcomes.

Pancreatic cancer remains challenging to treat, with limited progress compared to other cancers benefiting from immunotherapy. To address this, Dr. Moaven has developed innovative oncolytic viruses targeting treatment-resistant elements of pancreatic cancer and its microenvironment. His hypothesis is that this combinatorial approach can enhance immunotherapy sensitivity and lead to durable responses. Currently, his lab is focused on preclinical validation before translating these platforms into clinical trials soon.



CONFERENCES AND EVENTS



Selby White, BS
MS2



Kurt Mueller, MD
Otolaryngology, PGY-3



Caitlyn McCall, MD
Surgery Critical Care Fellow



Blake Platt, MD
Surgery Critical Care Fellow

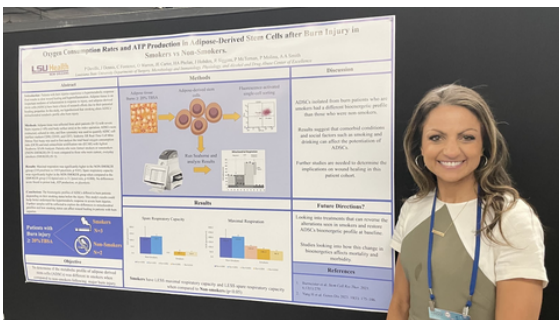
LSUH-NO School of Medicine 11th Annual Quality Improvement & Patient Safety Forum - Poster Presenters

Evidence-Based Development of Post-Surgical Guidelines for Care of Pediatric Surgery Patients – Selby White, BS

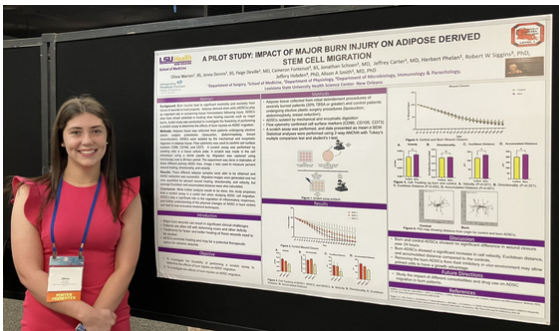
Caregiver Preferences and Efficacy of Preoperative Patient Education for Pediatric Tonsillectomy and Adenoidectomy – Kurt Mueller, MD

*Bundle Me Up: Implementing a Standardized Ventilator Associated Pneumonia (VAP) Prevention Bundle to Decrease VAP Rates – Caitlyn McCall, MD*****WINNER of the Best Poster Award******

Short Daily Device Meeting Decreases Utilization in the Trauma ICU Setting – Blake Platt, MD



Dr. Deville (above) and Ms. Warren (below)




46th Annual Conference on Shock

Oxygen Consumption Rates and ATP Production in Adipose-Derived Stem Cells After Burn Injury in Smokers vs Non-Smokers - A Pilot Study - Paige Deville, MD


A Pilot Study: Impact of Major Burn Injury on Adipose Derived Stem Cell Migration - Olivia Warren, BS

LSU Surgery Class of 2023 Graduation - Congratulations to all of our graduates!





Why did the scientist keep a money tree in their lab?



Because they knew that while money may be the root of all evil, it's also the fertilizer for grant-funded research!

As noted in Dr. Phelan's message, grant funding is a great way to get your research out into the world. And with 249 different types of grants, the National Institutes of Health (NIH) invests over \$32 billion each year for various health-related topics. Wondering how can you get a piece of that funding?

A great place to start is the NIH's [How To Apply - Application Guide](#). This site covers everything from the different types of grants, formatting instructions, budget development, where to find the forms you will need, tips for writing the application, what reviewers will be looking for, and everything else you could want to know about how to develop the best application.



GRANTS & FUNDING

NIH Central Resource for Grants and Funding Information

Faculty Promotions



Alison Smith, MD, PhD, FACS
Promoted to Director of Injury Research



Omeed Moaven, MD, FACS
Promoted to Director of Departmental Sciences



Mary Maluccio, MD, MPH, FACS
Promoted to Tenured Professor of Surgery



Frank Lau, MD, FACS
Promoted to Professor of Clinical Surgery



Fabienne Gray, MD, FACS
Promoted to Associate Professor of
Clinical Surgery



Michael Cook, MD, FACS
Promoted to Associate Professor of
Clinical Surgery

UPCOMING CONFERENCES

Organization	Dates	Location
International Pediatric Endosurgery Group	07/05/23 - 07/08/23//	Sorrento, Italy
ACS Quality and Safety	07/10/23 - 07/13/23	Minneapolis, MN
Pan American Trauma Society	07/27/23 - 07/30/23	Florianapolis, Brazil
Congress of Neurological Surgeons (CNS)	09/09/23 - 09/13/23	Washington, D.C.
Society of Asian Academic Surgeons	09/14/23 - 09/15/23	Baltimore, MD
Society of Black Academic Surgeons	09/28/23 - 09/30/23	Ann Arbor, MI

Regularly check the (coming soon) [DOS Clinical Research Resources Calendar](#) for all the latest Conference Schedules.

UPCOMING ABSTRACT DEADLINES

Organization	Deadline
American Pancreatic Association	07/10/23
Society of Thoracic Surgeons	07/20/23
Society of Critical Care Medicine	08/02/23
Western Trauma Association	09/04/23
American Society of Colon and Rectal Surgeons	10/29/23
Chest Wall Injury Summit (Abstract submission site to open soon)	11/01/23
American Association of Neurological Surgeons	11/07/23
Boswick Symposium	11/15/23

Regularly check the (coming soon) [DOS Clinical Research Resources Calendar](#) for all the latest Abstract Deadlines.

FUNDING OPPORTUNITIES

National Institute of Health - National Institute on Alcohol Abuse and Alcoholism

Biomedical Alcohol Research Training Program (NIAAA T32)

Due Date: N/A

Amount: Variable

The goal of the program is to provide mentorship and focused training so that young MD and PhD scientists can become familiar with the biomedical problems related to excessive alcohol consumption and acquire the tools to perform high quality, competitive research. For more information, [click here](#).

American College of Surgeons

Resident Research Scholarship

Due Date: N/A

Amount: \$30k/yr. for 2-years

The applicant must be a Resident Member of the ACS, who has completed at least 2 postdoctoral years in an accredited surgical training program (any specialty) in the United States or Canada at the time the scholarship starts (July of the award year). Scholarships do not support research after completion of the chief residency year. For more information, [click here](#).

Regularly check the (coming soon) [DOS Clinical Research Resources Funding Opportunities List](#) for all the latest Funding Opportunities.

FUNDING OPPORTUNITIES

Society of Surgical Oncology

Clinical Investigator Award

Due Date: N/A

Amount: \$50k per year for 2-years (\$100k total)

The Clinical Investigator Award promotes patient-focused research conducted by surgical oncologists in clinical and translational science. Please contact Pam Hayden, Assistant Director, Quality and Research Programs, with any questions at pamhayden@surgonc.org.

Young Investigator Award

Due Date: N/A

Amount: up to \$25k for 1-year

The Young Investigator Award promotes and recognizes clinical and translational research that advances innovative ideas and concepts designed to improve health outcomes through advances in the delivery of cancer-related care. Please contact Pam Hayden, Assistant Director, Quality and Research Programs, with any questions at pamhayden@surgonc.org.

Regularly check the (coming soon) [DOS Clinical Research Resources Funding Opportunities List](#) for all the latest Funding Opportunities.

FUNDING OPPORTUNITIES

Society for Academic Emergency Medicine

Various Funding Awards

Due Date: 08/01/23 @ 5:00 PM Central

- [Research Training Grant \(RTG\)](#) - \$300,000
- [Research Large Project Grant \(LPG\)](#) - \$150,000
- [Education Research Training Grant \(ERG\)](#) - \$100,000
- [SAEMF Emerging Infectious Disease and Preparedness Grant](#) - Up to \$100,000
- [New! SAEMF/ED Benchmarking Alliance Clinical Operations Research Grant](#) - \$50,000
- [SAEMF ARMED Pilot Grant](#) - \$25,000
- [SAEMF ARMED MedEd Pilot Grant](#) - \$25,000
- [Education Project Grant \(EPG\)](#) - \$20,000
- [MTF/SAEMF Toxicology Research Grant](#) - \$20,000
- [New! Geriatric Emergency Medicine Research Catalyst Grant, Supported by Michelle Blanda, MD](#) - \$10,000
- [SAEMF/Academy of Emergency Ultrasound \(AEUS\) Research Grant](#) - \$10,000
- [SAEMF/Global Emergency Medicine Academy \(GEMA\) Research Pilot Grant](#) - \$10,000
- [SAEMF/Academy for Women in Academic Emergency Medicine \(AWAEM\) Research Grant](#) - \$5,000
- [SAEMF/Simulation Academy Novice Research Grant](#) - \$5,000
- [SAEMF/Clerkship Directors in Emergency Medicine \(CDEM\) Innovations in Undergraduate Emergency Medicine Education Grant](#) - \$5,000
- [SAEMF/Academy for Diversity and Inclusion in Emergency Medicine \(ADIEM\) Research Grant](#) - \$6,000
- [SAEMF/Resident and Medical Students \(RAMS\) Research Grant](#) - \$2,500 - \$5,000

Regularly check the (coming soon) [DOS Clinical Research Resources Funding Opportunities List](#) for all the latest Funding Opportunities.

FUNDING OPPORTUNITIES

Association for Academic Surgery

AAS/AASF Basic Science/Translational Research Award

Deadline: 08/07/23

Amount: \$30k for one year

Funding Period: 07/01/24 - 06/30/25

This award provides an eligible resident or fellow who has completed at least two years of postgraduate training in a surgical discipline the opportunity to spend one year in a full-time research position with an AAS member. The award of \$30,000 for one year per award may be used for salary support or for the direct-cost expenditures of the research. The award is to be expended solely for the purpose of the sponsored research. Visit their [website](#) for all the information about the award.

The Thoracic Surgery Foundation

TSF Resident Research Fellowship

Due Date: 09/15/23

Amount: up to \$60k per year for 2-years (\$120k total)

These awards are designed to provide salary and/or direct experimental support for surgical trainees who wish to acquire investigational skills. Although a specific research program is required as the major component of the application, emphasis in making the award is placed on the potential of the applicant, based on prior accomplishments, and the quality of the educational experience for the applicant. Particular emphasis is placed on evidence of supervisory interaction in preparation of the application, the extent to which research training and a productive educational experience is convincingly described, and the training environment. Find all the details on their [website](#).

Regularly check the (coming soon) [DOS Clinical Research Resources Funding Opportunities List](#) for all the latest Funding Opportunities.

NIH Grant Activity Codes and Grant Finder

Since we're on the topic of grants, it's important to know about the various [Activity Codes](#) that the NIH uses to classify their grants. This will help you narrow down what type of grant you seek when determining what purpose you are seeking funding for. There is a [Comprehensive List](#) of all the differing codes, but the general codes are:

- [R Series](#) - Research Projects and Studies
- [K Series](#) - Career Development
- [T Series](#) - Research Training
- [F Series](#) - Fellowships
- [M Series](#) - Program Project/Center Grants

After you've decided on the type of grant you want to apply for, you can use the [NIH Grant Finder](#) to see which of the NIH Institutes and Centers are offering such grants. Better yet, you can even signup for their weekly [Table of Contents](#) that will send you information on various grant offerings straight to your inbox.



Check out the [School of Medicine Research Home Page](#) for many resources available for various research activities.