

Lerner Trainee Newsletter

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This newsletter is written by members of the Lerner Trainee Association Communications Committee. We welcome your questions and suggestions!

Email LRITraineeAssoc@ccf.org connect with us.

Spring is in Full Swing

In this issue, we celebrate the proper arrival of spring and celebrate our trainee's exciting accomplishments, including their recent publications, conference presentations, doctoral defenses, and awards.

We feature post-doctoral fellow Dr. Ido Veisman and doctoral student Swapnil Dey, along with LRI alum Dr. Morgan Carter. This month, we introduce a new section featuring an LTA member, Edward Carson, and highlighting his experience with LTA.

In Recent Events, we highlight the 2024 Graduate Student Appreciation week and the Total Solar Eclipse that took place on April 8th. These events offered our trainees a valuable opportunity for professional development while also providing a well-deserved break after hours spent juggling research responsibilities.

Our Upcoming Events feature the Healthcare Delivery & Implementation Science Center Speaker Series, the 40th Annual Page Lecture, and Career Development Seminars from NIH and LRI. Check out our Opportunities section which summarizes all the funding and job opportunities that have been advertised in LRI in the past and have upcoming deadlines.

CCF Innovations introduces the topic of "Public Disclosure" and its importance to your research and intellectual property.

If you would like to contribute to the newsletter, please reach out to us at LRITraineeAssoc@ccf.org.



Join our LinkedIn Group

The Lerner Postdoc and Grad Student Alumni Network on LinkedIn is a group of current and former postdoctoral fellows, research scholars and graduate students at Cleveland Clinic Lerner Research Institute. We share opportunities for career development, networking and highlighting our scientific achievements. We also post reminders about upcoming events, so be sure to turn on notifications! [Request to join here.](#)

Upcoming Events



Healthcare Delivery & Implementation Science Center Speaker Series

Trial Designs in Implementation Science Research

Tuesday, May 7, 2024 | Noon – 1:00 pm | Virtual



Healthcare Delivery & Implementation Science Center Speaker Series

A gap in knowledge exists in methods to study the translation of research evidence into practice, an essential component to improving care delivery. Implementation science methods can be utilized to understand and rigorously capture elements of context in healthcare implementation settings. This can improve understanding of clinical effectiveness outcomes and provide knowledge that can inform future implementation efforts to improve care.

This session will deliver essential knowledge and improve awareness of implementation science methods for clinicians, researchers and healthcare administrators.

By Participating, You Will Be Able To:

- Discuss clinical trial designs that can be utilized in implementation science studies
- Discuss the role of adaptive trial designs in implementation research
- Discuss a case example of a clinical trial capturing implementation outcomes

Who Should Attend?

Clinicians, Researchers and Healthcare Administrators involved in care delivery

REGISTER for this event: www.ccfcmec.org/HDISCSpeakerSeries-register

Activity Director

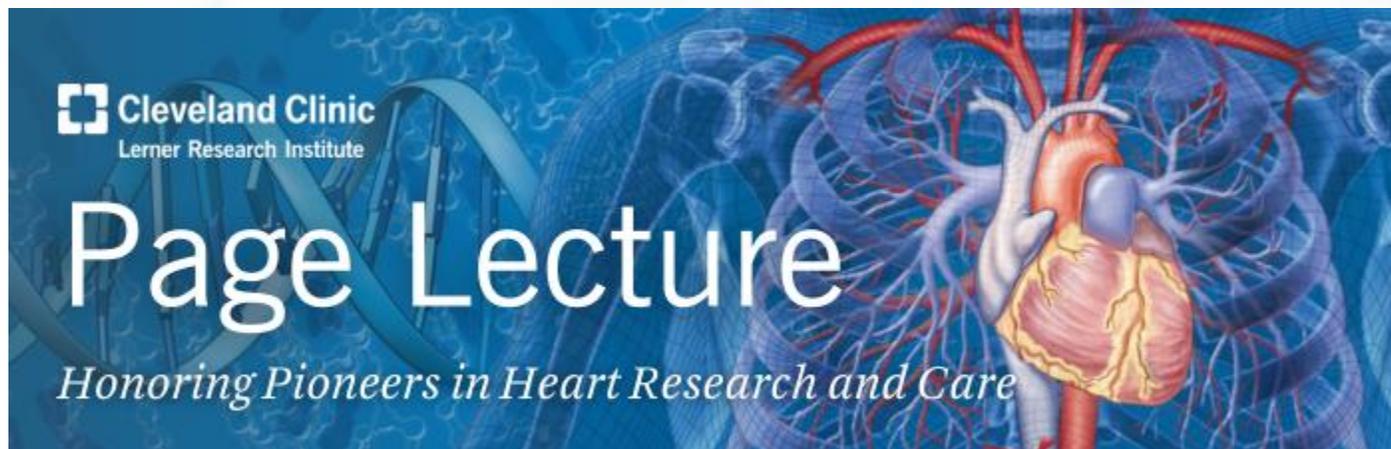
Anita Misra-Hebert, MD, MPH, FACP
Director, Healthcare Delivery and Implementation Science Center
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Faculty

Roger J. Lewis, MD, PhD
Senior Physician, Los Angeles County Department of Health Services
Professor of Emergency Medicine, David Geffen School of Medicine at University of California, Los Angeles
Senior Medical Scientist, Berry Consultants, LLC

Robert B. Saper, MD, MPH
Chair, Department of Wellness and Preventive Medicine
Nancy J. and Michael F. Roizen Chair in Wellness
Cleveland Clinic

Upcoming Events



Save the date for the 40th Annual Page Lecture, hosted by the Heart & Vascular Impact Area:

The Page Lecture honors the memory of Irvine H. Page, MD, the first director of Cleveland Clinic's division of research, now the Lerner Research Institute.

Thursday, May 9, 2024

3:00 - 5:00 p.m. • Bunts Auditorium

Reception in Bunts Lobby immediately following event

Page Lecture Keynote Address

"Inflammation and Atherosclerosis: Where have we been? Where are we going?"

Kathryn Moore, PhD

Jean and David Blechman Professor of Cardiology
Director, NYU Cardiovascular Research Center
New York University Grossman School of Medicine

2023 Irvine H. Page Young Investigator Research Award Winner

"Targeting Trem2 on Lipid-Associated Macrophages"

Jesse Williams, PhD

Assistant Professor, Center for Immunology
Department of Integrative Biology and Physiology
University of Minnesota

Upcoming Events

VIRTUAL CAREER SYMPOSIUM FOR GRADUATE STUDENTS, POSTDOCS AND FELLOWS • MAY 14-17, 2024



This virtual, multi-day event will highlight a variety of career paths available to biomedical researchers. Please note that, in addition to registering for a ticket, you must also create a Whova account to log in to the event. If you have any questions, please reach [here](#). View the full agenda [here](#). Research [here](#).

Unleash the potential of your research/medical training at the NIH Career Symposium! Whether you're just beginning to explore your career options, seeking guidance for your next steps, or already on the job market, this event is designed to propel you toward success.

Join us for three days of panels, networking sessions (for NIH intramural trainees), and interactive workshops. Learn from professionals in a number of industries, connect with peers, and hear valuable career advice. Be sure to use the features of our virtual platform to engage with speakers and fellow attendees through meetups and community chats. We are delighted to welcome you and eager to support you in pursuing a rewarding STEM career!

Upcoming Events



Research Education & Training Center

2024 Career Development Series

PANEL

Teaching and Program Management in Academia

May 30th 3:30 PM -4:45 PM

In person: NE1-205

Join our panelist as they walk us through their unique career journeys in academia. We will hear about their career successes and challenges along with advice that might help if you are seeking opportunities focused on teaching or program management. Bring your questions for the Q&A session!

Speakers:

Ángel L. Reyes-Rodríguez, PhD
Director, McNair Scholars Program
Cleveland State University

Dana Emmert, PhD
Assistant Professor, University of Findlay

Zachary Graber, PhD
Associate Professor, Mount Vernon Nazarene University



This year's series will incorporate discussions on the importance of networking. Speakers will share professional networking stories and attendees will participate in short guided self-reflection and group-networking activities.

Register to attend at
<http://forms.office.com/r/bVcuuDqWDz>

- Light refreshments will be served.
- Florida trainees may register by 5/29/24 to receive a link for a virtual option.

All postdocs, research scholars, and PhD students welcome!

Upcoming Events



BenMed Program

The goal of the BenMed Program at Benedictine High School is to expose students to medical or medical-adjacent careers, to enhance their college choice and provide networking. They have a particular interest in exposing students to medical research. Most of BenMed's activity is in the form of seminars from 11-11:35 am on Wednesday or Thursday.

The seminar format is a 20-minute talk followed by 10 minutes for Q&A. Trainees could also do ask-me-anything sessions with very little presentation, if someone wants to do that.

Below are some example topics:

- Biomedical research summary
- Overview of specialized medicine (e.g. orthopedics vs cardiology)
- Surgical/procedural/treatment/lab techniques
- Diagnostic techniques/pathology
- FDA approval process for drugs/treatments
- Career summary (what it's like to be a...)
- Overview of an ambulance/clinic/lab

They would be happy to have doctors, nurses, lab technicians, technologists, post-docs, paramedics, or other staff. The goal is to stoke the fires of their student's interest.

[Please sign up here if you are interested in this outreach opportunity.](#)

Anyone interested in participating can reach out to Dr. Tessianna Misko (tam37@case.edu) or Alicia Santin (axa1059@case.edu) and put their name on the document above. They will then reach out with scheduling information for those who are interested.

They also are happy to facilitate on-site visits or shadowing, but please be aware that you must receive prior approval from LRI administration for high school students to visit before being allowed to schedule an on-site. Any interested parties for an on-site visit will need to work in more detail with Dr. Misko in the CWRU School of Medicine Graduate Education Office and consult with Dr. Abby Bifano (bifanoa@ccf.org) regarding regulations for students in the LRI. You may also reach out to LRITraineeAssoc@ccf.org with any questions.

Recent Events

Graduate Student Appreciation Week 2024

The Lerner Trainee Association hosted a Graduate Student Appreciation Week during the first week of April! LRI trainees were treated to a morning of donuts and coffee, followed by a pizza party. The week continued with a seminar on finances for graduate students led by Dr. Kathryn Bryan. Cleveland Clinic Caring Canines paid a visit, and we concluded the week with an LTA Game Night. Graduate students play an invaluable role in advancing research. Their dedication, curiosity, and efforts contribute significantly to the growth and innovation of biomedical and health sciences. We deeply appreciate the invaluable contributions of graduate students and sincerely hope it has been a wonderful week for our LRI graduate trainees.



Recent Events

Cleveland Total Solar Eclipse

The sky darkens as the moon's shadow creeps across the sun in a total solar eclipse.

On April 8, 2024, the city of Cleveland was in the path of a total solar eclipse for the first time in 218 years. The next occurrence won't be until 2045 for the contiguous United States and 2444 specifically for Cleveland, Ohio! As residents around Ohio gathered to witness this historic phenomenon, many Lerner trainees also joined with their friends and lab members to watch the event, taking a short break from their research duties and marveling at the magnificent view. Reflecting on the experience, Nam Than, a Lerner trainee, remarked, "It will be one of my favorite memories from my time at CCF."



The spectacular total eclipse ring. Photo courtesy of LRI trainee Layan Hamidi Nia.



A glimpse of the Lerner Research Institute during totality. Photo courtesy of LTA's Swapnil Dey.



Meet your Fellow

Ido Veisman

MD

Where are you from?

I am from Israel. Before coming to the U.S, I most recently I worked at in the city of Ramat Gan.

What is your educational background?

I studied medicine in the Hebrew university in Jerusalem, Subsequently, I completed a 4-year internship in Internal Medicine and a 2.5-year internship in Gastroenterology at the Sheba Medical Center in Israel.

What did your graduate research focus on?

My graduate research focused on clinical parameters that associated with anti-drug antibodies against TNF inhibitors, a common drug we use for IBD treatment.

How did you decide to pursue your current postdoc at Cleveland Clinic?

For years, I have wanted to live abroad and experience different environments and cultures. After I finished my GI fellowship in Israel, I wanted to expand my knowledge in laboratory research, specifically in an IBD-focused lab. I decided to start my post-doc fellowship here in the Cleveland Clinic in the lab of Dr. Florian Rider because I was impressed with past publications of the lab and the research focus, which is on fibrostenosing Crohn's disease, a common manifestation of IBD with no effective medical treatment today other than surgery.

Which lab do you work in and for how long have you been a part of this team?

After a long move across the world in mid 2023, I began working in Florian Rieder's lab in the department of Inflammation and Immunity in August 2023.

What is your current research focus?

My research focuses on factors that enhance intestinal smooth muscle cell proliferation, which is the main histological component of the fibrotic stricture in Crohn's disease. Once we identify factors involved in this process, we will attempt to understand the underlying molecular mechanisms to design novel therapies that specifically target the proliferation of these cells.

Do you have any recent accomplishments in your current position?

Regarding recent accomplishments in my current position, I believe I am still in the early stages of my work here at the Cleveland Clinic. As such, I hope to see my accomplishments materialize over time in the future as I continue to delve deeper into my research. Recently, I have written a review paper on smooth muscle cell proliferation and hope to submit it for review soon.

What do you like to do outside of the laboratory?

I have a 2-year-old son and 5-year-old daughter. I spend most of the time outside of the lab dedicated to being with them.

Meet your Graduate Student

Swapnil Dey



Where are you from?

I am originally from Silchar, a city in the state of Assam, India.

What is your educational background?

I received my Bachelor's degree in Zoology at Assam University, India and my Master's degree in Zoology (Cell and Molecular Biology specialization) from Cotton University, India. Having an inclination towards health sciences research, I continued working as a research intern at the Advanced Centre for Treatment Research and Education in Cancer (ACTREC) in Dr. Shilpee Dutt's lab on glioblastoma for a year. There, I learned about the disease and the existing research gaps. Thus, I wished to dive deeper into the molecular mechanisms of the disease and pave a way to overcome the current therapeutic challenges. In Spring 2023, I began my PhD journey through Cleveland State University's and Cleveland Clinic's joint Regulatory Biology Program. Since then, I have been working as a Graduate Research Assistant at Lerner.

Which lab do you work in and for how long have you been a part of this team?

I have been jointly working with Dr. Grabowski's and Dr. Lathia's laboratories in the Department of Cardiovascular and Metabolic Sciences. I have been a part of the team for more than a year now.

How did you decide on the Cleveland Clinic?

The Lerner Research Institute located at the Cleveland Clinic is a premier research institute with world class research infrastructure and outstanding faculty. The Clinic becomes an ideal place to conduct research on various diseases due to the vast number of patient samples it receives, which greatly facilitates translational and clinical research. Given that glioblastoma is my field of

research, working in such a clinical setup along with basic and physician scientists is one of the unique features that makes LRI different from other institutes. Also, the academic and research training experience we receive as graduate students at the clinic focuses on the overall development of trainees and prepares them well for future careers. Intrigued by Dr. Lathia's research and Dr. Grabowski's clinical expertise in the field of neuro-oncology, I was inspired to join their labs at the Cleveland Clinic and perform my doctoral research under their joint supervision.

What is your current research focus?

My research focuses on deciphering the role of lactoferrin in the glioblastoma tumor immune microenvironment. Glioblastoma is one of the most aggressive adult brain tumors, with an average survival rate of less than 15 months. Despite the availability of immunotherapies, the prognosis has not improved significantly due to the compromised immune systems of patients. Literature suggests that lactoferrin plays an important role in immune modulation and cancer progression. My work explores the direct relationship between lactoferrin levels in the brain tumor immune microenvironment. The project aims to further our understanding of the intricate connections between lactoferrin and glioblastoma, uncovering potential avenues for therapeutic interventions.

What do you like to do outside of the work?

I am an avid traveler and enjoy exploring new places. I am not at the professional level, but I love doing landscape photography at places that I visit. I am also fond of trying new dishes from different cultures and thus can be found in some Cleveland restaurants during the weekends as well.



Meet your Alum

Morgan Carter

PhD

Where did you obtain your PhD?

I received my PhD in Behavioral Neuroscience at Boston College in 2019, where I was interested in the brain circuits underlying social impairments and sensory processing in various psychiatric conditions, including autism and schizophrenia.

When did you work in Lerner and in which lab? What positions did you hold?

I worked in LRI from 2019-2021 as a postdoctoral fellow in the Department of Neurosciences with Hod Dana.

What did you work on at Lerner?

Our research leveraged advanced *in vivo* multiphoton calcium imaging techniques to study aberrant brain circuit dynamics in the hippocampus using a mouse model of epilepsy.

Specifically, we were looking to understand how activity patterns that reflect changes in circuit dynamics evolved as the disease developed.

What successes did you have at Lerner?

I received a Ruth L. Kirschstein F32 Postdoctoral Fellowship from the National Institute of Neurological Disorders and Stroke in 2021. I was also a member of the LTA Communication subcommittee!

What is your current position title, and where are you now?

I'm now an engagement partner in Cleveland Clinic Innovations. Our office is the commercialization arm of the clinic. We serve as the liaisons between the various CCF institutes and Innovations. I specifically cover a portion of LRI, as well as the Neurological Institute and Obstetrics and Gynecology Institute.

Our job is to scout the interesting inventions being developed, which include new medical devices, therapeutics and diagnostics, and digital health tools, and determine if these technologies have commercial potential.

What does your role in your current position entail and what is your favorite part?

My current position specifically entails working with a mix of research and clinical groups, and my favorite part is getting to see how the two influence each other.

It is also exciting to see the newest ideas being pursued across the CCF enterprise, help get scientific and medical advancements out into the “real world”, and work with so many smart and curious caregivers!

What about your time at Lerner do you think prepared you for this position?

My time at Lerner taught me how to effectively communicate with scientists and clinicians and ask probing questions about their work. Additionally, learning to critically evaluate information, identify knowledge gaps, and evaluate technical information critically.

Is there something you particularly miss from your time at Lerner?

I miss being at the bench and getting my hands dirty in the science! Also, mentoring students was such a rewarding aspect of my time at Lerner.

In one sentence, what advice would you give current Lerner post-docs?

There are so many exciting career opportunities in and outside of academia! Make sure to explore both throughout your training.

Meet our LTA member

Edward Carson

PhD



What was or is your role within the LTA and how long have you been in undertaking the role?

My role was Graduate Student Co-President from Sept 2022 through February 2024.

What has been the most rewarding aspect of serving on the executive board of the trainee association? Can you share a favorite moment or accomplishment from your time in this role?

The most rewarding aspect was being able to make a positive impact on the LRI trainee community through working with a diverse and highly dynamic team comprised of various perspectives that could come together to support common goals. I am proud to say that the LTA had many accomplishments over the past 1.5 years, from developing a new strategic plan and budget, to creating and executing a new set of in-person programming and community outreach for trainees that ultimately led to our partnership and formation of the Cleveland Biomedical Trainee Alliance (CBTA) between Cleveland Clinic, CWRU, and CSU. Aside from the formal work, one of my favorite moments was cheering on one of our members whose dance team was performing at the Cavs game earlier this year. It was so much fun seeing members of the LTA come together to show such support for a fellow member and LRI trainee.

“The most rewarding aspect was being able to make a positive impact on the LRI trainee community through working with a diverse and highly dynamic team comprised of various perspectives that could come together to support common goals.”

How (and why) do you believe your experience on the executive board has prepared you for future endeavors?

I believe my experience on the LTA executive board has enabled me to expand my management skillset as well as become familiar with complex administrative structures that must be navigated in order to effectively form strategic partnerships across institutions. The best example was the development of the CBTA Professional Development Conference and Networking series that brought together over 150 biomedical trainees and industry representatives from across Cleveland and Ohio to assist trainees in beginning to develop their professional and networking skillset for their future careers.

Would you recommend other trainees to take on a position within the executive board? Why or why not?

I would absolutely recommend other trainees join the LTA in executive leadership, subcommittee leadership, or as an active member to gain experience working with others outside of your individual lab space. Having exposure to a variety of ideas in a team-based setting is an excellent exercise in how to function as a professional in a post-training career. Further, it enables networking on both the trainee level and when working with other partners and professionals on behalf of the LTA and CBTA. The LTA has developed into a growth-minded organization, and I think now is a very exciting time to be a part of the LTA. It is never too soon to start getting involved! .

Accomplishments

Congratulations to Dr. Anushruti Ashok from the Prasad Lab for her recent promotion to Research Associate!

Dr. Ashok from the Prasad Lab in the Department of Cardiovascular and Metabolic Sciences is currently exploring the mechanistic regulation of Beta-adrenergic receptor (β 1Ars) by phosphoinositide 3-kinase (PI3K) in cardiac hypertrophy and heart failure. Along with that, she is also investigating downstream signaling pathways mediated by the immuno-allosteric modulation of β 1Ars by autoantibodies.

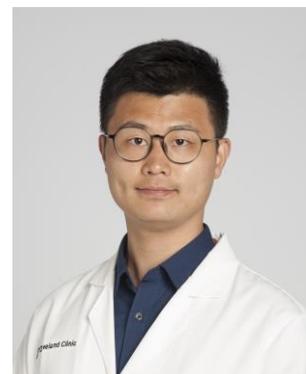


Congratulations to Himanshu Dashora from the Yu Lab in the Department of Cancer Biology!

Himanshu Dashora was selected to give a talk at the American Association of Neurological Surgeons Annual Meeting 2024 in Chicago, IL. The title of the talk was "Multi-region Whole Exome Sequencing Reveals Unique Spatial Distribution of Driver Mutations in GBM".

Congratulations to Dr. Paresh Kulkarni from the McCrae Lab in the Department of Cardiovascular and Metabolic Sciences!

Dr. Kulkarni received the Velosano Fellow Award as Principal investigator. His project is titled "Dissecting the platelet metabolome and bioenergetic profile to identify novel biomarkers and therapeutic targets for lung cancer and associated thrombosis". The goal of this project is to develop novel strategies for diagnosing and treating lung cancer and associated thrombosis by targeting metabolism in circulating platelets.



Congratulations to Dr. Yunguang Qiu from the Cheng Lab in the Genomic Medicine Institute!

The recent article by Dr. Qiu titled "Systematic characterization of multi-omics landscape between gut microbial metabolites and GPCRome in Alzheimer's disease" was published in *Cell Reports*.

<https://doi.org/10.1016/j.celrep.2024.114128>

We love celebrating trainee accomplishments! To submit your own news or to recognize someone else, email

LRITraineeAssoc@ccf.org

Accomplishments

Congratulations to Dr. Mamta Sumi from the Ghosh Lab in the Department of Inflammation and Immunity!

The recent article by Dr. Sumi titled “Regional variations in allergen-induced airway inflammation correspond to changes in soluble guanylyl cyclase heme and expression of heme oxygenase-1” was published in *The FASEB Journal*

<https://doi.org/10.1096/fj.202301626RRR>



Congratulations to Dr. Hamed Javidi from the Rotroff Lab in the Department of Quantitative Health Science for a series of accomplishments this month!

Hamed Javidi successfully defended his dissertation, titled “Deep Neural Networks for Complex Disease Prediction using Electronic Health Records and Genomic data” and received his PhD from Cleveland State University. This work has resulted in two published papers.

The first article titled “Identification of robust deep neural network models of longitudinal clinical measurements” was published in *NPJ Digital Medicine* in 2022.

<https://doi.org/10.1038/s41746-022-00651-4>

The second recent article titled “An interpretable predictive deep learning platform for pediatric metabolic diseases” was published in *Journal of the American Medical Informatics Association (JAMIA)*.

<https://doi.org/10.1093/jamia/ocae049>

As a testament to his amazing work, Dr. Javidi won the “Excellent Achievement Award for Doctoral Research in Natural Sciences, Engineering, and Mathematics” at Cleveland State University.

He is moving to the Center for Computational Life Sciences, Lerner Research Institute, Cleveland Clinic, as a Research Data Scientist, where he will continue to use innovative computer science tools and techniques to help solve human health problems.

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Opportunities

Funding

- **Supporting Multidisciplinary Achievement in Respiratory Research Training (SMARRT) | T32 Training Program:** Training grant collaboration between the Respiratory Institute and Lerner Research Institute seeking postdoctoral fellow candidates to join the T32. Areas of interest can come from across the translational spectrum, from bench to the clinical sciences, and from content areas such as pulmonary and vascular biology, airway biology, respiratory related inflammation & fibrosis, and respiratory related population sciences and -omics. Applications due by **May 17th** to Wayne Tsuang, MD (tsuangw@ccf.org). Click the [flyer](#) for more information.
- The following research funding opportunities were curated and sent to us from the Philanthropy Institute. If you have any questions about these opportunities or if you would like help with your proposal, please contact Hilary Colles (Gleske), MPH at GLESKEH@ccf.org.
 - **May 10, 2024:** MQ Mental Health Research, Fellows Award (\$285,000/3 years). Supports early-career researchers (3-7 years post-doc) from all disciplines related to mental health research. Particularly interested in children and young people, public mental health, prevention and treatment, suicide treatment and prevention, psychosis, bipolar disorder. Letter of Interest due by May 10th. Invited full proposals due August 10th.
 - **June 14, 2024:** Prevent Cancer Foundation 2024 Fellowship, \$100,000/2yrs. To identify and provide seed funding for innovative projects with the potential to make substantial contributions to cancer prevention or early detection. The Foundation defines cancer prevention as the “reduction of cancer incidence through research, education and early detection.”
 - **July 1, 2024:** Paralyzed Veterans of America, multiple awards (note - PVA includes MS in their disease focus area). Research Fellowship Award (\$150,000/1-3 years). Postdoctoral scientists, clinicians and engineers are eligible (to encourage training and specialization in spinal cord research). Special requirement for all grants – involvement of individuals with lived SCI/D experience; must include at least one individual living with SCI/D, MS or ALS in the development, implementation and evaluation of the project

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Opportunities

JOBS

- **Partner Relations Director | [Eversight](#), Cleveland, OH:** An appreciation of the medical field and ophthalmology, keen business acumen—particularly pertaining to the current healthcare landscape—and the desire to do good through Eversight’s mission-driven work will serve team members in this role well. This position was shared with us by LRI alum, [Onkar Sawant](#), described it as a new senior level but non-managerial position for folks looking for clinically-oriented but non-bench position. He said it was similar to an MSL role. Learn more and apply [here](#).
- **Visiting Assistant Professor of Psychology | The College of Wooster:** seeking a 1-year visiting professor starting August 2024. The area of specialization is open; the successful candidate will be expected to teach statistics and courses within their areas of expertise. A strong commitment to undergraduate teaching and research is required. A two-semester teaching load is 6 courses and typically consists of 5 regular courses and credited supervision of 5 senior undergraduate students in a 2-semester Independent Study (I.S.) research project (a graduation requirement for all students). Learn more and apply [here](#).
- **Cancer-Neuroscience Faculty Position | University of Virginia School of Medicine:** Researchers in the Departments study a variety of neurological diseases including Glioma and have specific interests in neurodegenerative diseases and the role of glia and immune processes in disease etiology. This position synergizes with a number of active researchers across UVA working in the area of glioma, metastatic brain cancer, brain immunology and glia. Rank and tenure-status will be dependent upon qualifications. Learn more and apply [here](#).
- **Quantum Scientist | [Leidos](#), Arlington, Virginia:** In this position, the Research Scientist will participate in the full life cycle of research & development of optical systems for the study of quantum-enabled remote sensing and communications. Ideal candidates should be interested in a career devoted to applied research and development with strong experimental, hardware skills and should be interested in maturing technologies from concept to prototype. Learn more and apply [here](#).

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Opportunities

CAREER DEVELOPMENT

- **Mentoring Manual | Institute for Broadening Participation's** The mission of the IBP is to increase diversity in the STEM workforce. Their mentoring manual focuses generally on STEM mentoring, especially on the mentoring process for underrepresented students, and in some cases specifically on the context of summer research for undergraduates. However, it provides information that mentors and mentees alike may find valuable in variety of circumstances. Additional mentorship resources are provided for PhD students, postdocs, and faculty. Click [here](#) to learn more. www.pathwaystoscience.org
- **Free license to job search tool “Flamingo” for NPA members:** Are you deciding on the next step after your postdoc? Need help looking for jobs that excite you and then figuring out how to apply? The NPA is proud to partner with [SciPhD](#) and provide a free, permanent license for all NPA members to their online web application tool – [Flamingo™](#). Learn more [here](#).
 - **Not an NPA member?** As an LRI trainee, **you are eligible for an NPA affiliate membership**. If you're interested in signing up, please contact RETC@ccf.org.

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Monthly feature

CCF Innovations

Happy Spring LRI Trainees (well, I think/hope we are getting closer to Spring)! For this issue, we wanted to introduce the topic of "Public Disclosure" and its importance to your research and potential to protect intellectual property. If you or your lab believes you have a technology that could be commercialized, it is strongly recommended that an invention disclosure form (IDF) be completed around that technology and sent to the Innovations office as early as possible - at least 90 days - in advance of any public disclosure. Publicly disclosing technology prior to filing a patent application at the United States Patent and Trademark Office (USPTO) may jeopardize the patentability and commercialization of your invention.

Public Disclosure

As a clinician, researcher, or educator, you may be excited to share the details of your invention to colleagues or stakeholders. However, if you would like to explore commercializing your invention, public disclosure of information may threaten Innovations' ability to protect your intellectual property.

Public disclosures that could prevent patentability are those that provide enough information so that someone can make and/or use the invention. This may occur in any non-confidential communication related to the invention. Examples of public disclosure that often effect our caregivers typically fall into these categories:



Oral Presentations

Abstracts and presentations that share the invention in detail qualify as public disclosures, even if they occur in an educational setting. These may include scientific conferences, thesis defenses, and departmental seminars.



Research Journals, Abstracts, & Posters

Published manuscripts and abstracts are public disclosures. Be aware of publication timing for each journal. Preprint servers (e.g., bioRxiv, chemRxiv, medRxiv) publish manuscripts online within 48 hours of submission.



Correspondences

Non-confidential correspondences with individuals or companies outside of Cleveland Clinic can put your invention at risk. This includes personal communication. Innovations can help you obtain a proper confidentiality agreement.



Public Use & Sale

Using an invention in its final form in its intended way in front of others or offering to sell the invention are two additional forms of public disclosures.



Other Online Content

Public access to the details of your invention in any format including Github, Twitter, Cleveland Clinic Consult QD, and news interviews may be used against you at the patent office.

If you have further questions on this topic and/or would like to connect on anything innovations related, please reach out to your LRI Engagement Partners ([Morgan Carter, PhD](#) and [Matt Koletsky, MS](#) as leads for Therapeutics and Diagnostics, [Nicole Byram](#) as lead for Medical Device, and [Michelle Leung](#) as lead for Digital Health). We are here for any questions and/or to discuss the innovations process or ideas you may have. The invention disclosure form (IDF) can be found on our [new Inventor Portal](#). This page also has lots of information and resources for you.

Wellness Resources



Cleveland Clinic
Wellness

Daily Wellness Tools for YOU Program

Weekly, live and virtual. Ongoing self-help support.

Meditation Monday 12:15 – 12:45 pm	Fitness Friday 10:00 - 10:30 am
Yoga - Therapeutic Chair 12:15 - 12:45 pm Tuesday - Level 1 Wednesday - Level 2 Thursday - Level 3	Culinary Medicine/Nutrition Friday 12:15 - 12:45 pm two times per month (see event page for dates)

All sessions will be held via the Webex platform,
registration is required at:
clevelandclinic.org/CILMevents

Well-Being, Self-Care and Emotional Support for Caregivers

Please note: A connection to the Cleveland Clinic network is required to access many of these resources.

For a more detailed and complete list of resources, please visit [this link](#).

Caregiver Experience Wellness Portal: disconnect, unwind or say thank you virtually

Caring for Caregivers: confidential services that preserve, restore and enhance wellbeing of our caregivers. Available at 1-800-989-8820 (including new Boost telephone appointment).

Cleveland Clinic Office of Caregiver Experience on [Facebook](#) and [Instagram](#).

Connect Today/Learner Connect: resiliency resources to help you manage complex, changing times (virtual meetings, change and stress management, and communication)

Occupational Health: If you have further questions about COVID-19 please contact the COVID-19 Caregiver Hotline at 216-445-8246.

OneClick to Well-Being: well-being information and resources for staff

Spiritual Care and Healing Services: information for the religious and spiritual needs of CCF patients, their families and loved ones, and Cleveland Clinic caregivers. (216) 444-2518

CCPD Victim Advocacy: resource to help educate and support the CCF community on domestic violence. Email the committee at: dvcommittee@ccf.org

Join in on live virtual Yoga, Meditation, Fitness and Culinary Medicine sessions. These are available for free to all caregivers. All sessions will be held via the Webex platform, registration is required at:

<http://clevelandclinic.org/CILMevents>

****Graduate Students are welcome to join!****

Behind the Scenes

This newsletter is written by the Communications teams of the Lerner Trainee Association Leadership Council and fellow trainees. We welcome your questions and suggestions!

Email LRITraineeAssoc@ccf.org to connect with us.

LTA Communications Team

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Lerner Trainee Association Leadership Council



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