



The Center for Advanced Research Training & Innovation (CARTI) newsletter lists upcoming events, resources, services and grant deadlines for UMB research faculty and fellows. To register for CARTI's upcoming events, click [HERE](#).

## Highlights in this Issue:

### Special Announcement:

- **Now Accepting Applications! Clinical/Translational and Public Health Research Training Track Program - Applications due 7/24**

### Upcoming CARTI Seminars:

- **Info Session: Clinical/Translational and Public Health Research Training Track Program** (Jun 22 @ 9am; Zoom)
- **Info Session: Passano Foundation Clinician-Investigator Award for Career Development** (July 20 @ 9am; Zoom)
- **Writing Your First NIH R01 Grant Application: Part 1** (Sept 12 @ 9am; Zoom)
- **Overview of the NIH's Loan Repayment Programs** (Sept 13 @ 1pm; Zoom)
- **Tips for Increasing Your Scientific Writing Productivity** (Sept 14 @ 9am; Zoom)
- **Writing Your First NIH R01 Grant Application: Part 2** (Sept 19 @ 9am; Zoom)
- **Negotiation Skills** (Oct 5 @ 1pm; Zoom)

### Additional Events & Services:

- **Scholarly Writing Accountability Groups (SWAG): New 5-week option available this summer.** Two new groups are starting June 8 and July 12.

- **UMSON, Research Seminar Series: Research Data Retention and Destruction** (Jun 15 @ 12pm; Webex)
- **Office of Postdoctoral Scholars, UMSOM: NIH Basics for Postdoctoral Fellows** (Jun 21 @ 12pm; HSF3)
- **NCI/NIH: How to Identify and Apply for the Right R01** (Jun 28 @ 3pm; Webex)
- **UMB Graduate School:** Applications are being accepted for: 1) **Clinical Informatics Certificate** 2) **Clinical Informatics (MS)**
- **Introduction to Clinical and Translational Research at UMB & Baltimore VA (1-week course)** (Aug 7-11 @ 9am; hybrid)

**Funding Opportunities:**

- **Damon Runyon Cancer Research Foundation**
- **Chan Zuckerberg Initiative**
- **American Heart Association**
- **Burroughs Wellcome Fund**
- **Department of Defense**
- **National Institutes of Health**

## SPECIAL ANNOUNCEMENT

### Now Accepting Applications!

#### Clinical/Translational and Public Health Research Training Track Program

Application Deadline: Monday, July 24 by 5:00pm EDT

CARTI is accepting applications for the **Clinical/Translational and Public Health Research Training Track**. This program provides training to UMSOM senior fellows and early-stage faculty who are seeking foundational training in developing and executing a mentored clinical research project, including effectively communicating your research to get published and funded. Visit the [website](#) to learn more about this program and to **download the application**.

**Information Session:**

On **Thursday, June 22** from **9:00 – 10:00am**, CARTI will be holding an information session via Zoom to discuss and answer questions re: the Clinical/Translational and Public Health Research Training Track Program and application process. Click [HERE](#) to register.

## CARTI's Upcoming Seminars

### Funding Seminar Series

#### Information Session:

## Passano Foundation Clinician-Investigator Award for Career Development

Thursday, July 20

9:00 – 10:00am

Zoom

This information session will provide potential candidates with an overview of the **Passano Foundation Clinician-Investigator Award for Career Development at the UMSOM**, including tips for applying. This award was created to provide partial salary and fringe benefits for clinician-investigators in the early stages of their faculty appointment (full-time appointment as instructor or assistant professor in a clinical department). The purpose of this award is to help protect the research time and thereby further the acquisition of expertise and preliminary results for qualified young UMSOM faculty clinician-investigators while they apply for external career development grant support. The deadline for Internal submission of applications for this award is **October 2, 2023**. Read the [guidelines](#) for more information on this award.

**Speaker:** **Curt Civin, MD**, Philip A. Zaffere Distinguished Professor in Regenerative Medicine Professor of Pediatrics and Physiology; Director, Center for Stem Cell Biology & Regenerative Medicine; Scientist, UM Greenebaum Comprehensive Cancer Center, UMSOM

[Register Now!](#)

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*NIH Repays Your Student Loans!*

## Overview of the NIH's Loan Repayment Programs

Wednesday, September 13

1:00 - 2:00pm

Zoom

**Guest Speaker:** **Matthew R. Lockhart, MBA**, Director, Division of Loan Repayment, Office of Extramural Research (OER), National Institutes of Health

The NIH Loan Repayment Programs (LRPs) are a set of programs established by Congress designed to recruit and retain highly qualified health professionals into biomedical or biobehavioral research centers. The NIH LRPs pay up to \$50,000 annually of qualified educational debt in return for a commitment to engage in NIH mission-relevant research. Applicants must hold an M.D., Ph.D., Psy.D., Pharm.D, D.O., D.D.S., D.M.D. D.P.M, D.C., N.D., O.D., D.V.M, or equivalent doctoral-level degree (except for the Contraception & Infertility Research LRP). **The NIH LRPs will accept applications from September 1-November 16, 2023**. Don't miss your opportunity to learn how you could receive up to \$100,000 in educational debt relief!

The following LRPs are available to non-NIH scientists:

- 1) Clinical Research
- 2) Pediatric Research
- 3) Health Disparities Research
- 4) Research in Emerging Areas Critical to Human health (REACH)
- 5) Clinical Research for Individuals from Disadvantaged Backgrounds
- 6) Contraception & Infertility Research

For more information, visit the **NIH LRP** website at <http://www.lrp.nih.gov>

[Register Now!](#)

## Scientific Writing Seminar Series

### Tips for Increasing Your Scientific Writing Productivity

Thursday, September 14

9:00 – 10:00am

Zoom

Writing is a fundamental part of a scientist's "job", but strategies for writing efficiently are rarely taught. As a result, scientists often struggle with writing, especially with the practical steps of the writing process, such as how to get started. This session begins with tips for increasing writing productivity, with a focus on making writing part of your workday. These tips are designed to make writing easier and to help participants write more quickly and efficiently.

One of the most successful strategies for increasing writing productivity is to join a writing accountability group. Participants will learn about different writing accountability group opportunities available to UMB faculty, fellows and postdocs.

**Speakers:** Marey Shriver, PhD, Executive Director for Faculty Development, CARTI and **Stacie Mendoza**, Program Director, CARTI

[Register Now!](#)

## Managing Your Research Program Seminar Series

### Negotiation Skills

**Thursday, October 5**

**1:00 – 2:00pm**

**Zoom**

The ability to negotiate successfully is essential to managing a research program; however, early stage faculty often lack training in negotiations skills. In addition, scientists –especially at the early stages of their careers –feel uncomfortable with the process of negotiating, and are uncertain how to do this effectively. During this session, participants will receive tips for negotiating for protected time, resources, etc. as an early stage faculty member.

**Speaker: Christine L. Lau, MD, MBA, Dr. Robert W. Buxton Chair & Professor of Surgery, UMSOM**

[\*\*Register Now!\*\*](#)

## **Research Skills Seminar Series**

### **Writing Your First NIH R01 Grant Application**

*Two-Part Seminar Series*

#### **PART 1:**

**Tuesday, September 12**

**9:00 – 10:00am**

**Zoom**

#### **PART 2:**

**Tuesday, September 19**

**9:00 – 10:00am**

**Zoom**

This two-part seminar series is targeted to new/junior faculty members who have not yet applied to the NIH or who are planning to prepare their first R01 application. Please see the details and topics for each session below.

#### **Part 1: Topics include:**

- When does NIH consider an investigator ready for R01?
- Best ways to structure specific aims
- How to demonstrate innovation and feasibility
- Avoid known major weakness and common pitfalls
- Know your reviewers

## Part 2: Topics include:

- Tips on effective grant writing and formatting
- How to make your reviewers your advocates
- Preparing a winning mindset for grant writing
- Big picture: how to extrapolate NIH statistics to your grant writing

**Speaker:** **Christy Chang, PhD**, Associate Professor, Department of Medicine; Director, ICTR KL2 program; Senior Program Advisor, CARTI, UMSOM

[Register Now!](#)

## Scholarly Writing Accountability Group (SWAG) Program

### Virtual Program to Help Faculty Increase Their Scholarly Writing Productivity

Are you struggling to find time to dedicate to your scholarly writing projects? Making time to write papers can be a challenging task as it competes with other faculty demands. To help UMB junior faculty meet this challenge, the **Center for Advanced Research Training & Innovation (CARTI)** provides a peer accountability/support program designed to increase writing productivity. This program is called **Scholarly Writing Accountability Group (SWAG)**.

### New 5-week option this summer

Due to busy summer schedules, CARTI is now offering a **5-week** SWAG Program to our faculty this summer.

### What is a SWAG?

A SWAG is an active peer-led writing group for UMB junior faculty who meet virtually for 1-hour, once a week. Groups follow a structured agenda including 15 minutes of updates and goal-setting followed by 30 minutes of individual writing and then 15 minutes of reporting and wrap-up. Each group is limited to 4-8 members who must commit to attending at

### What are the Benefits of Joining a SWAG?

Faculty who join SWAG will:

- Develop new writing habits to achieve writing goals
- Improve time management skills
- Gain a greater sense of control over the writing process
- Build a small community of support/social network

### Summer SWAG opportunities:

- Thursdays 9-10am (June 8 – July 6)
- Wednesdays 3-4pm (July 12 – Aug 9)

**To join any of these groups, please complete the following request form online:**

<https://umbforms.wufoo.com/forms/request-to-join-swag>

**Questions?** Email [Stacie Mendoza](#)

least 4 out of the 5 weekly sessions. In a SWAG, there is no peer review of writing; SWAGs focus on the process of writing, not the content. ***The purpose of SWAG is to help junior faculty get in the habit of 1) writing in short blocks of time daily or almost every day and 2) identifying and prioritizing feasible writing goals each week.***

## CARTI'S Seminar Slides & Recordings



### Join CARTI's Microsoft Teams Page!

This [page](#) serves as a hub for CARTI's seminar recordings and slides for the seminar series listed below:

- **Managing Your Research Program**
- **Scientific Writing**
- **Research Skills** (*grant writing, presentations, etc*)
- **Funding Seminar Series**
- **Introduction to Grant Writing**
- **Career Skills Short Seminar Series** (*30 minute lectures*)
- **Communicating Research Findings with a Broad Audience**
- **UM Ventures: Intellectual Property Protection, Commercialization, & Industry Partnerships**

To gain access, email [Stacie Mendoza](#).

## CARTI'S Individual Consultations

### Research Grant Application/Summary Statement Consultations

**Christy Chang, PhD**, Senior Program Advisor, is available to meet with faculty to discuss writing their first R01 NIH application. Dr. Chang offers consultations regarding readiness and eligibility for R01 level funding, specific aims, and other elements of an R01 application. In addition, she is available to discuss strategies for addressing summary statements and revising research grant applications for resubmission. **Email:** [cchang@som.umaryland.edu](mailto:cchang@som.umaryland.edu)

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### Career Development (K) Grant Application/Summary Statement Consultations

**Marey Shriver, PhD**, Executive Director for Faculty Development, is available to meet with junior faculty to discuss early project conception to the development of a complete NIH career development (K) application. Dr. Shriver offers consultations regarding developing a clear research question and testable hypothesis. In addition, she provides consultations regarding eligibility for K grant applications, planning for an upcoming grant proposal, and assembling a K application – including creating a training plan. Lastly, she is available to discuss strategies for addressing summary statements and revising research grant applications for resubmission. **Email:** [mshriver@som.umaryland.edu](mailto:mshriver@som.umaryland.edu)

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### Identifying Sources of Funding Consultations

**Stacie Mendoza**, Program Director, assists junior faculty and postdocs with identifying sources of funding for their research. To schedule a funding consultation, complete the [Funding Search Request Form](#) online. **Email:** [smendoza@som.umaryland.edu](mailto:smendoza@som.umaryland.edu)

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## CARTI'S Mini Library



The CARTI's “Mini Library” provides access to books that are relevant to developing the professional skills and success of an academic research career of SOM faculty.

A complete list of books can be found [HERE](#)

Books are available in the CARTI office located at **MSTF Building, Room 319** and can be signed out for up to 3 weeks. Email [Stacie Mendoza](#) if you would like to set up a time to visit our library.

## University of Maryland School of Nursing *Research Seminar Series*

### Research Data Retention and Destruction

Thursday, June 15

12:00 - 1:00pm

Webex

Please join the UMSON's Office of Research and Scholarship as they host a research seminar on the topic of research data retention and destruction, presented by **Casey Jackson, MS, CCRP**, research



quality manager at the UMSOM and Gyasi Moscou-Jackson, PhD, MHS, RN, nurse scientist at the UMMC.

[Register Now!](#)

## Office of Postdoctoral Scholars, UMSOM

### NIH Basics for Postdoctoral Fellows

Wednesday, June 21

12:00 - 1:00pm

HSRF 3, Room, Room 6020

Understanding the NIH organizational structure, how to identify the right funding mechanism and funding announcement is an essential first step before applying for NIH funding. This session will provide an overview of the NIH grants process, as well as, helpful resources for first time grant writers not familiar with NIH funding. This workshop will cover topics including: an overview of the different NIH funding mechanisms (T, F, K, R); identifying Funding Opportunity Announcements (FOAs); using NIH RePORTER.

**Speaker:** Marey Shriver, PhD, Executive Director for Faculty Development, CARTI, UMSOM

[Register Now!](#)

## UMB Graduate School

### Clinical Informatics Certificate & Clinical Informatics (MS)

Enhance your professional skills in Clinical Informatics with an online 12-credit graduate certificate or the hybrid 34-credit Clinical Informatics MS. These programs are designed for physicians, nurses, pharmacists, other healthcare professionals, biologists, and computer scientists who are committed to improving the quality of patient care by analyzing information collected by healthcare organizations. Learn how to apply biomedical data, computational systems, and clinical process improvement to the practice of medicine, in order to enhance health outcomes, improve patient care, and strengthen the clinician-patient relationship. Applications are now open. **The deadline is July 1.**

# Department of Epidemiology and Public Health, UMSOM

## Introduction to Clinical and Translational Research at UMB & Baltimore VA

August 7-11, 2023

9:00 – 3:15pm (Monday – Thursday)\*

9:00 – 1:45pm (Friday)

*\*ending times vary*

### NEW LOCATION:

School of Dentistry, Room #G310, Ground Floor, 650 W. Baltimore Street

*(A virtual option will be available to those who cannot attend in person)*

The Department of Epidemiology and Public Health at UMSOM is pleased to sponsor the 22<sup>nd</sup> annual “**Introduction to Clinical and Translational Research at UMB & Baltimore VA**” course.

This course is open to all UMB and Baltimore VA faculty, fellows, residents, students and staff with an interest in clinical and translational research. This course is designed for anyone interested in improving skills in study design for clinical research, scientific communication, and grant writing.

The course is **free** of charge and open to those affiliated with the University of Maryland, Baltimore (UMB) and Baltimore VA, and investigators at the Baltimore VA Medical Center.

**CREDITS:** To receive academic/graduate school credit, students already enrolled in a UMB graduate school program should register for PREV 616 in the 2023 fall semester. To register for PREV 616 in the fall, contact your graduate program office. Anyone who is interested in registering for PREV616 in the fall, **MUST** contact **Dr. Kristen Stafford** to discuss eligibility prior to registering. Dr. Stafford’s email is [kstafford@ihv.umaryland.edu](mailto:kstafford@ihv.umaryland.edu).

CME credits and other continuing medical education credits will not be offered for this course.

**COURSE AGENDA:** Click [HERE](#)

### COURSE DIRECTORS:

- **Jennifer Albrecht, PhD**, Associate Professor, Department of Epidemiology and Public Health, UMSOM
- **John Sorkin, MD, PhD**, Professor, Department of Medicine, Chief, Biostatistics and Informatics, UMSOM

**This course is jointly sponsored by:**

- University of Maryland Claude D. Pepper Older Americans Independence Center (UM-OAIC)
- Baltimore VA Medical Center, Geriatric Research Education and Clinical Centers (GRECC)
- Center for Advanced Research Training & Innovation, UMSOM (CARTI)

**QUESTIONS:** Contact **Stacie Mendoza** at [smendoza@som.umaryland.edu](mailto:smendoza@som.umaryland.edu)

[Register Now!](#)

**National Cancer Institute,  
National Institutes of Health (NIH)**  
*Professional Advancement Virtual Engagement Seminar (PAVES)*

**How to Identify and Apply for the Right R01**

**Wednesday, June 28**

**3:00 - 4:00pm**

**Webex**

**Speakers:** **Siddhartha A.K. Datta, PhD**, Division of Extramural Activities and **Mr. Shane Woodward**, Office of Grants Administration

**The Learning Objectives are:**

1. Familiarize yourself with the NIH/NCI research funding mechanisms and announcement types
2. Identify ways in which to select the right funding mechanism to support your scientific research
3. Learn how to connect with NIH, apply and track your application, the research and review process, and resources available through NCI.

**Professional Advancement Virtual Engagement Seminar (PAVES)** was developed by the Center to Reduce Cancer Health Disparities to provide meaningful career development and resources to support diverse biomedical and social scientists to achieve research independence.

To access previously recorded PAVES sessions, visit [PAVES website](#).

**Session topics include but not limited to:**

- Interviewing in a Virtual World
- Navigate the Grant Application Process
- Establishing Your Research Group
- Transition to Faculty Position
- Life of a Grant
- Thriving as a Biomedical Researcher

[Register Now!](#)

## Funding Opportunities

### **DAMON RUNYON CANCER RESEARCH FOUNDATION**

#### **Damon Runyon-Rachleff Innovation Award**

The Damon Runyon-Rachleff Innovation Award is designed to provide support for the next generation of exceptionally creative thinkers with “high-risk/high-reward” ideas that have the potential to significantly impact our understanding of and/or approaches to the prevention, diagnosis, or treatment of cancer.

**APPLICATION DEADLINE:** July 6, 2023

**FINALIST INTERVIEWS:** November 14, 2023

Visit [WEBSITE](#) for more info

### **CHAN ZUCKERBERG INITIATIVE (CZI)**

#### **Deep Tissue Imaging**

CZI invites applications for projects in the field of deep tissue imaging. This RFA seeks to drive development of imaging technology focused on obtaining cellular resolution readouts within complex living organisms. This grant program will advance the field of deep tissue imaging, which aims to obtain cellular resolution in complex tissue and through skin and bone.

**LOI DEADLINE:** July 11, 2023

**APPLICATION DEADLINE:** September 26, 2023

Visit [WEBSITE](#) for more info

### **AMERICAN HEART ASSOCIATION**

#### **Merit Award**

The Merit Award supports exceptional scientists with established track records of success, who propose novel approaches to major research

### **NIH Director’s New Innovator Award (DP2 Clinical Trial Optional)**

For exceptionally creative early career scientists proposing innovative, high-impact projects

- Must be an Early Stage Investigator
- Single PI only
- Requires at least 25% research effort
- \$1.5 million for 5 years

**APPLICATION DUE:** August 18, 2023

**WEBINAR:** June 29, 2023

Visit [WEBSITE](#) for more info

### **NIH Director’s Transformative Research Award**

#### **(R01 Clinical Trial Optional)**

For exceptionally creative early career scientists proposing innovative, high-impact projects

- Open to all career stages
- Single or multi-PI applications
- Research effort commensurate to the needs of the project
- Flexible budget for 5 years

**APPLICATION DUE:** September 1, 2023

**WEBINAR:** June 27, 2023

Visit [WEBSITE](#) for more info

### **NIH Director’s Early Independence Award**

#### **(DP5 Clinical Trial Optional)**

For exceptionally creative early career scientists proposing innovative, high-impact projects

- Must complete doctoral degree or clinical training between June 1, 2022, and September 30, 2024
- Single PI only

challenges in the areas of cardiovascular disease and cerebrovascular disease that have the potential to produce unusually high impact.

**LOI DEADLINE:** July 13, 2023

**APPLICATION DEADLINE:** August 24, 2023

Visit [WEBSITE](#) for more info

## **BURROUGHS WELLCOME FUND**

### **Investigators in the Pathogenesis of Infectious Disease (PATH)**

The PATH program provides opportunities for assistant professors to bring multidisciplinary approaches to the study of human infectious disease. The goal of the program is to provide opportunities for accomplished investigators at the assistant professor level to study what happens at the points where the systems of humans and potentially infectious agents connect.

**LOI DEADLINE:** July 17, 2023

**APPLICATION DEADLINE:** November 15, 2023

**FINALIST INTERVIEWS:** April 15-17, 2024

Visit [WEBSITE](#) for more info

## **DEPARTMENT OF DEFENSE (DoD)**

### **Congressionally Directed Medical Research Programs**

Topics include:

- Autism
- Bone Marrow Failure
- Breast Cancer
- Combat Readiness-Medical
- Hearing Restoration
- Joint Warfighter Medical
- Lung Cancer
- Lupus
- Melanoma
- Military Burn
- Multiple Sclerosis
- Neurofibromatosis
- Orthotics and Prosthetics Outcomes
- Pancreatic Cancer

- Must be in non-independent research position
- Limit of 2 applications per institution
- Requires 9.6 months of research effort each year for the first 2 years of the award (reduction possible in the last 3 years)
- \$1.25 million for 5 years

**WEBINAR:** June 22, 2023

**APPLICATION DUE:** September 6, 2023

Visit [WEBSITE](#) for more info

## **NIH Director's Pioneer Award (DP1 Clinical Trial Optional)**

For scientists with outstanding records of creativity pursuing pioneering approaches to major challenges

- Open to all career stages
- Single PI only
- Must be new research direction
- Requires at least 51% research effort
- \$3.5 million for 5 years

**APPLICATION DUE:** September 8, 2023

**WEBINAR:** June 20, 2023

Visit [WEBSITE](#) for more info

## **NATIONAL INSTITUTES OF HEALTH (NIH)**

### **Stephen I. Katz Early Stage Investigator Research Project Grant (R01 Clinical Trial Not Allowed)**

The purpose of this Funding Opportunity Announcement is to provide a new pathway for Early Stage Investigators (ESIs) who wish to propose research projects in a new direction for which preliminary data do not exist.

**APPLICATION DUE:** September 26, 2023

Visit [WEBSITE](#) for more details.

- Parkinson's
- Peer Reviewed Alzheimer's
- Peer Reviewed Cancer
- Peer Reviewed Orthopaedic
- Prostate Cancer
- Rare Cancers
- Traumatic Brain Injury and Psychological Health
- Tuberous Sclerosis Complex
- Vision

Upcoming deadlines for Letter of Intent.

Visit [WEBSITE](#) for details and deadlines for each program

### Seeking Foundation Funding for your Research?

The SOM's Office of Development, Corporate and Foundation Relations, provides services and resources to assist UMSOM faculty with identifying private foundation funding for research, programs, educational initiative, and community outreach at the local, regional, and national level. Visit their [website](#) for more information and to schedule an appointment.

Additional funding opportunities can be found at:  
[UMSOM Internal Funding Opportunities & External Funding Databases](#)

[UMGCCC Funding Database](#)  
*(Cancer related research)*

### Center for Advanced Research Training & Innovation (CARTI)

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Visit our [Website!](#)

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