

# CARTI

CENTER *for* ADVANCED RESEARCH TRAINING & INNOVATION



The **Center for Advanced Research Training & Innovation (CARTI)** newsletter lists upcoming events, resources, services and grant deadlines for UMB research faculty and fellows.

CARTI wishes you and your family a happy and healthy holiday season!



## Highlights in this Issue

### Special Announcement!

- **CARTI's 2023 Scholars for "Clinical/Translational and Public Health Research Training Track Program" Announced!**

### Upcoming CARTI Seminars:

- **Leading a Diverse and Inclusive Lab** (Dec 6 @ 9am; Zoom)
- **Science Communications Series (Part 2): Executive Panel Discussion on What Audiences Want** (Dec 7 @ 12pm; Zoom)
- **Developing Tables, Figures and Graphs for Your Research Paper** (Dec 14 @ 9am; Zoom)
- **Mock Study Section: Understanding the NIH Grant Application Review Process** (Jan 18 @ 1pm; HSF 2 Auditorium)
- **Writing Effective Titles and Abstracts** (Jan 25 @ 9am; Zoom)
- **Managing Up: Communicating with Your Boss** (Jan 31 @ 9am; Zoom)

*To register for CARTI's events, click [HERE](#).*

### Additional Events:

- **Society of Clinical Research Associates: Building Study Team Skills to Enhance Clinical Research Participant Interactions** (Dec 15 @ 12pm; Zoom)
- **UMB Graduate School:** Applications are now being accepted for:
  - **Master of Science in Epidemiology and Clinical Research – Clinical Research Track**
  - **Certificate Program in Clinical Research**

### Research Funding Opportunities:

- **William T. Grant Foundation** (*Reducing Inequality*)
- **Klingenstein Philanthropies** (*Transformation of mental health care*)
- **Mcknight Foundation** (*Impact on the study of the brain*)
- **Whitehall Foundation** (*Behavioral output or brain mechanisms of behavior*)
- **National Institutes of Health (NIH)** (*Stephen I. Katz Early Stage Investigator Research Project Grant*)

## Special Announcement!

**UMSOM CARTI 2023 Scholars for the  
“Clinical/Translational and Public Health  
Research Training Track Program” Announced!**

The following 8 scholars were selected to participate in a 7-month training program that will consist of didactic instruction, experiential learning, grant writing training, and a capstone project. (**Read the full [announcement](#)**)

**Chengyan Chu, DrMed**

*Research Associate, Department of Diagnostic Radiology and Nuclear Medicine, UMSOM*

**Brittany Drazich, PhD, RN**

*Assistant Professor, Organizational Systems and Adult Health, UMSOM*

**J. David Gatz, MD**

*Assistant Professor, Department of Emergency Medicine, UMSOM*

**Rebecca Schwartz, MD**

*Clinical Instructor, Department of Surgery, R Adams Cowley Shock Trauma Center, UMSOM*

**Lauren Leigh Smith, MD, MAS**

*Assistant Professor, Department of Epidemiology and Public Health, UMSOM*

**Dena Tran, MD**

*Fellow, Department of Pulmonary & Clinical Care Medicine, UMSOM*

**Edward Traver, MD**

*Assistant Professor, Department of Medicine, IHV, UMSOM*

**Jiachen Zhuo, PhD**

*Associate Professor, Department of Diagnostic Radiology, UMSOM*

## **CARTI's Upcoming Seminars**

### **Managing Your Research Program Seminar Series**

**Leading a Diverse and Inclusive Lab**

**Wednesday, December 6**

**9:00 – 10:00am**

## **Zoom**

Research teams composed of individuals from diverse backgrounds and life experiences have been shown to be more effective in scientific problem solving and driving discovery and innovation. Enhancing diversity in research teams and programs requires creating an inclusive environment where all members of a lab are supported and valued. During this session panelists will discuss the benefit of managing a lab with diverse members, and best practices for cultivating an inclusive, safe, and supportive environment where all trainees and peers can thrive.

### **Panelists:**

#### **Alexandros Pouloupoulos, PhD**

Assistant Professor, Department of Pharmacology and UM-MIND, UMSOM

#### **Luana Colloca, MD, PhD, MS**

MPower Professor and Director, Placebo Beyond Opinions Center, Pain and Translational Symptom Science, UMSOM

#### **Melanie Bennett, PhD**

Professor, Department of Psychiatry, UMSOM

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

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## **Managing Up: Communicating with Your Boss**

**Wednesday, January 31**

**9:00 – 10:00am**

**Zoom**

Managing a successful research program and advancing in your career requires working with and communicating effectively with your boss or bosses. This session will provide tips and strategies for developing a better working relationship, improving communication, and setting expectations with your boss. In addition, we will discuss best practices for providing feedback.

**Speaker:** **Mary-Claire Roghmann, MD, MS**, Associate Dean for Physician Scientist Training, Professor of Epidemiology and Public Health and Medicine, UMSOM

[Register Now!](#)

## Scientific Writing Seminar Series

### Developing Tables, Figures and Graphs for Your Research Paper

**Thursday, December 14**

**9:00 – 10:00am**

**Zoom**

Tables, figures and graphs play a significant role in presenting and enhancing the writer's message in a scientific paper. Deciding when and how to use these visual aids -- and developing the most appropriate -- can be challenging. This session will provide tips to consider when producing effective tables, figures and graphs.

**Speaker:** **Jessica Brown, PhD**, Associate Professor, Department of Epidemiology & Public Health, UMSOM

[Register Now!](#)

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### Writing Effective Titles and Abstracts

**Thursday, January 25**

**9:00 – 10:00am**

**Zoom**

Effective titles and abstracts are key components of a scientific paper, as these two parts of the paper are read most often and are also the basis for searches. This session focuses on how to write an interesting and informative title and

abstract, including tips on writing style. This session begins with a didactic session (20 minutes), followed by an examples-driven discussion (40 minutes).

**Speaker: Marey Shriver, PhD**, Executive Director for Faculty Development, Center for Advanced Research Training & Innovation (CARTI), UMSOM

[Register Now!](#)

## Research Skills Seminar Series

### Mock Study Section: Understanding the NIH Grant Application Review Process

Thursday, January 18

1:00 – 2:00pm

HSF2 Auditorium, HSF2 Building located at 20 Penn St (1st floor)

During this session, early career faculty who are preparing to submit an NIH R01 grant application will gain insight into how NIH research applications are scored and reviewed, including a “mock study section” discussion of a grant application. Panelists will also discuss common critiques that are made during a study section meeting, characteristics of a successful R01 application and strategies for identifying a study section.

#### Panelists:

#### **Dudley K. Strickland, PhD**

Professor, Department of Surgery; Director, Center for Vascular & Inflammatory Diseases; UMSOM

#### **Stefanie N. Vogel, PhD**

Professor, Department of Microbiology and Immunology, UMSOM

#### **Syed Saif Hasan, PhD**

Assistant Professor, Department of Biochemistry and Molecular Biology, UMSOM

[Register Now!](#)

## Science Communications Fall Series

*How to approach talking about your research and who you're talking to*

### Executive Panel Discussion on What Audiences Want

**Thursday, December 7**

**12:00 - 1:00pm**

**Zoom**

Tune in to learn what government, philanthropist, and foundation audiences are looking for in your research results and how to best approach those conversations.

**Audrey Huang, MA, PhD**, *CARTI's Director of Science Communication and Science Editor*, will moderate a panel discussion with three executives to tap their knowledge and expertise on what aspects of research storytelling are most successful.

#### **Panelists:**

##### **Shawn Castellanos**

National Executive of Emerging Strategies, American Heart Association

##### **Heather Culp**

Chief Philanthropy Officer, UMMC & UMSOM

##### **Kevin Kelly, JD**

Chief Government Affairs Officer and Vice President, UMB

[Register Now!](#)

# Scholarly Writing Accountability Group (SWAG) Program

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

The Center for Advanced Research Training & Innovation (CARTI) provides a virtual peer accountability/support program designed to increase writing productivity among UMB early stage faculty called **Scholarly Writing Accountability Group (SWAG)**. A description of our virtual SWAG program follows, including details on how to participate.

### What is a VIRTUAL SWAG?

A virtual SWAG is an active peer-led writing group for **UMB junior faculty** that meets for 1-hour, once a week over a 10-week period using **Microsoft Teams**. 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 least 8 out of the 10 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***

Writing accountability groups are being used at multiple major medical schools. The data which have been reported on the results of this program are very favorable, reflecting marked increases in the quantity and quality of writing by junior faculty participants.

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

Faculty who join SWAG will:

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

### Registration

New SWAGs at UMB are being formed on a rolling basis. If you're interested in participating, please submit the following **REQUEST FORM**.

Questions? Email **Stacie Mendoza**



*and prioritizing feasible writing goals.*

## 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 Leader, 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)

## CARTI'S Funded Grant Library

The **Center for Advanced Research Training & Innovation (CARTI)** now has a funded grants library available to faculty who are preparing an NIH grant application. These samples were shared by UMSOM faculty who have funded NIH grant applications including, but not limited to the following mechanisms:

- Loan Repayment Program (LRP) Awards
- Career Development Awards (K): K01, K08, K23, K24
- NIH Research (R) Grants
- Diversity Supplements

To gain access, contact Marey Shriver ([mshriver@som.umaryland.edu](mailto:mshriver@som.umaryland.edu)) or Stacie Mendoza ([smendoza@som.umaryland.edu](mailto:smendoza@som.umaryland.edu)).

## 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.

## The Society of Clinical Research Associates (SOCRA) Baltimore Chapter

**The Society of Clinical Research Associates (SOCRA)** is a non-profit, charitable and educational membership organization committed to providing education, certification, and networking opportunities to all persons involved in clinical research activities.

The Baltimore Chapter's monthly meetings are open to the public and all are welcome to attend. Below is the topic for the next meeting:

**Duke Engagement, Recruitment, and Retention  
Curriculum: Building Study Team Skills to  
Enhance Clinical Research Participant  
Interactions**  
**Friday, December 15**  
**12:00 - 1:00pm**  
**Zoom**

Please join the Baltimore SOCRA Chapter for their December 2023 Meeting, where they will discuss Duke's robust soft skill training program for research team members in the engagement, recruitment, enrollment, and retention space to enhance the participant experience in clinical research.

**Presenters:**

- **Jessica Cranfill, M.A.**, Manager, Education & Outreach, Duke Office of Clinical Research
- **Jamie Roberts, M.P.H.**, Research Practice Manager, Duke Cancer Institute

**Learning Objectives:**

- Outline components of the ER&R program at Duke
- Discuss program implementation and impact thus far
- Access the program's implementation plan and repository of course materials

**Credits Available: 1 CE credit for SOCRA members**

Should you have any questions related to this event, please contact [SOCRABaltimore@gmail.com](mailto:SOCRABaltimore@gmail.com).

[Register Now!](#)

## **UMB Graduate School Clinical Research Training**

**Applications are being accepted by the UMB Graduate School for the following:**

- **Master of Science in Epidemiology and Clinical Research – Clinical Research Track**
- **Certificate Program in Clinical Research**

Both are designed specifically to meet the needs of clinicians and scientists who want further education and training to develop a successful career as a clinical

and translational investigator. Graduates will gain the ability to identify important clinical research questions, develop research protocols, generate pilot data, conduct clinical research, analyze and write the results in a publishable form and develop and submit grant proposals. Former students include faculty members (particularly those on or applying for career development awards), fellows, residents and medical and dental students.

**Please see the details and application deadline for each below:**

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### **MASTER OF SCIENCE IN EPIDEMIOLOGY AND CLINICAL RESEARCH – CLINICAL RESEARCH TRACK**

- 30 credits
- Eligible for tuition remission
- Designed for clinicians and clinicians-in-training wanting to develop a successful clinical research career

**Early Admission Deadline: March 1, 2024**

**Final Application Deadline: May 15, 2024**

**For more information, visit the [WEBSITE](#)**

In particular, read the "Frequently asked questions" for each.

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### **CERTIFICATE PROGRAM IN CLINICAL RESEARCH**

- 12 credits
- Eligible for tuition remission
- For clinicians and scientists who do not have time to do a full MS but need to gain skills not covered in their health profession or graduate education

**Early Admission Deadline: March 1, 2024**

**Final Application Deadline: May 15, 2024**

**For more information, visit the [WEBSITE](#)**

In particular, read the "Frequently asked questions" for each.

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For an individual consultation on whether this training is appropriate for you, please contact **Jennifer Albrecht, PhD** at [jalbrecht@som.umaryland.edu](mailto:jalbrecht@som.umaryland.edu)

## Research Funding Opportunities

### **WILLIAM T. GRANT FOUNDATION**

#### **Research Grants on Reducing Inequality**

This program supports research to build, test, or increase understanding of programs, policies, or practices to reduce inequality in the academic, social, behavioral, or economic outcomes of young people ages 5-25 in the United States. Studies that aim to reduce inequalities that exist along dimensions of race, ethnicity, economic standing, language minority status, or immigrant origins will be prioritized.

**APPLICATION DEADLINE:** January 10, 2024

Visit [WEBSITE](#) for more info

### **KLINGENSTEIN PHILANTHROPIES**

#### **Transformation of Mental Health Care Grant Program**

Klingenstein Philanthropies is soliciting applications from academic investigators conducting research on improving access to high quality mental health care and prevention for children and adolescents through

### **MCKNIGHT FOUNDATION**

#### **McKnight Scholar Awards**

The McKnight Scholar Awards are given to exceptional young scientists who are in the early stages of establishing an independent laboratory and research career. The intent of the program is to foster the commitment by these scientists to research careers that will have an important impact on the study of the brain.

**APPLICATION DEADLINE:** January 15, 2024

Visit [WEBSITE](#) for more info

### **WHITEHALL FOUNDATION**

#### **Research Grants**

Whitehall Foundation is currently interested in basic research in invertebrate and vertebrate (excluding clinical) neurobiology, specifically investigations of neural mechanisms involved in sensory, motor, and other complex functions of the whole organism as these relate to behavior. The overall goal should be to better understand behavioral output or brain mechanisms of behavior.

**LOI DEADLINE:** January 15, 2024

the use of novel models or promising approaches, including expanding the number of professional and paraprofessional treatment personnel who are trained to deliver mental health services, delivering care in non-psychiatric settings, digital technology, and approaches that help parents access care for their children.

**APPLICATION DEADLINE:** January 15, 2024

Visit [WEBSITE](#) for more info

**APPLICATION DEADLINE:** June 1, 2024

Visit [WEBSITE](#) for more info

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

### **Stephen I. Katz Early Stage Investigator Research Project Grant**

The purpose of this opportunity is to support innovative project that represents a change in research direction for early stage investigators without preliminary data.

Details about this Notice can be found at [NOT-OD-23-174](#) and [NOT-OD-23-175](#).

First estimated application due date is January 26, 2024.

## **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](#)**

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

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

**University of Maryland School of Medicine**

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Baltimore, Maryland 21201-1559

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