

# NEWSLETTER

# CARTI

CENTER for ADVANCED RESEARCH TRAINING & INNOVATION



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

## Highlights in this Issue

### Upcoming CARTI Seminars:

- **Diversifying your Funding Portfolio** (Mar 5 @ 1pm; Zoom)
- **Ethical Considerations in Determining Authorship** (Mar 7 @ 9am; Zoom)
- **NIH Administrative Supplements to Support Your Research** (Mar 12 @ 9am; Zoom)
- **Strategies for Engaging Community-Based Collaborations in Research** (Mar 13 @ 1pm; Zoom)
- **Developing Your Research Question, Hypothesis, and Specific Aims** (Mar 14 @ 9am; Hybrid)
- **Working Effectively with a Biostatistician** (Mar 26 @ 9am; Zoom)
- **Funding Seminar: Department of Defense, Congressionally Directed Medical Research Programs** (Apr 4 @ 9am; Zoom)
- **International Research Support Services at UMB** (Apr 17 @ 1pm; Zoom)

- **NIH Basics: Understanding Grant Mechanisms, Funding Announcements, and using NIH RePORTER** (Apr 25 @ 9am; Hybrid)

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

**Additional Events/Opportunities:**

- **UMD, College Park: NIH Career Development (K) Awards Panel Discussions** (Mar 7 & Mar 11; Zoom)
- **UMSON Research Seminar Series: The Standard Operating Procedure on SOPs** (Mar 21 @ 12pm; Zoom)
- **UMB Graduate School:** Applications are still being accepted for:
  - **Master of Science in Epidemiology and Clinical Research – Clinical Research Track** (Due May 15)
  - **Certificate Program in Clinical Research** (Due May 15)

**Research Funding Opportunities:**

- **V Foundation** (*adult cancer research*)
- **American Cancer Society**
- **Whitehall Foundation** (*neurobiology research*)
- **March of Dimes** (*birth defect research*)
- **Gerber Foundation** (*pediatric research*)

## CARTI's Upcoming Seminars

### Managing Your Research Program Seminar Series

#### Diversifying Your Funding Portfolio

**Tuesday, March 5**

**1:00 – 2:00pm**

**Zoom**

A challenging and crucial aspect of leading a research lab or program is the need to fund your research/program. Given the current competitive funding rates, this responsibility

can be even more challenging. During this session, participants will hear from two academic research scientists who have learned how to finance their programs by applying for funding from diverse sources, including the NIH, foundations and corporate funding. This session will begin by helping faculty understand how to develop a budget for their research lab or program, and will then address how to diversify your sources of funding. This session will include tips for dealing successfully with some of the current challenges in funding.

**Speakers:** **Satoru Otsuru, MD, PhD**, Associate Professor, Department of Orthopaedics, UMSOM and **Mark Travassos, MD, MSc**, Associate Professor, Department of Pediatrics, UMSOM

[Register Now!](#)

## Scientific Writing Seminar Series

### Ethical Considerations in Determining Authorship

Thursday, March 7

9:00 – 10:00am

Zoom

Being published in a peer-reviewed journal is a crucial aspect of a researcher's career and a common metric by which productivity is gauged. Thus, as a form of 'currency', disputes and conflicts of interest involving authorship frequently occur, requiring careful consideration of the scientific community standards by which individuals should be identified as an author. This session will discuss modern trends in authorship and ethical considerations when determining authorship.

**Speaker:** **Adam Puche, PhD**, Professor and Vice Chair, Department Anatomy & Neurobiology, UMSOM

[Register Now!](#)

## Funding Seminar Series

### NIH Administrative Supplements to Support Your Research

Tuesday, March 12

9:00 – 10:00am

Zoom

Administrative supplements offered by the NIH are non-competing awards that provide additional funding to cover additional costs that are within the scope of a currently funded NIH grant. This session will discuss the requirements for submitting requests for administrative supplements, including equipment and diversity supplements, and how these supplements can support your research.

**Speaker:** Alexander Drohat, PhD, Professor, Department of Biochemistry and Molecular Biology, UMSOM

[Register Now!](#)

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### Department of Defense, Congressionally Directed Medical Research Programs (CDMRP)

Thursday, April 4

9:00 – 10:30am

Zoom

The Department of Defense, Congressionally Directed Medical Research Programs (CDMRP) funds innovative and impactful biomedical research for service members, their families and the American Public. This seminar will introduce participants to the various types of research programs available through the CDMRP. Subjects will include how to identify the appropriate award mechanism, tips for applying, and insights into the review process.

**Target audience:** Faculty and Postdocs

To view a list of currently funded research programs, visit:

<https://cdmrp.health.mil/researchprograms>

**Guest Speakers:** **Cecilia Dupecher, PhD, Program Manager**, Congressionally Directed Medical Research Programs, U.S. Army Medical Research and Development Command, and **Melissa R. Miller PhD**, Program Manager, Congressionally Directed Medical Research Programs, U.S. Army Medical Research and Development Command

[Register Now!](#)

## Career Skills "*Short*" Seminar Series

### Strategies for Engaging Community-Based Collaborations in Research

Wednesday, March 13

1:00 – 1:30pm

Zoom

Collaboration is key to implementing community engagement research. This session will cover strategies to increase community receptivity and acceptance when conducting a community-based research project. In addition, we will cover how to retool the research design and protocols to include culturally appropriate messaging that meets the needs of the population of interest.

**Speaker:** **Doris Titus-Glover, PhD, MSN**, Assistant Professor, Universities at Shady Grove, UMSO

[Register Now!](#)

## Introduction to Grant Writing Seminar Series

### Developing Your Research Question, Hypothesis, and Specific Aims

Thursday, March 14

9:00 - 10:00am

**Hybrid Session: Zoom & In-person**

(HSRF3 Building, Room 1010, 670 W. Baltimore St (1st floor))

Explaining the fundamental idea of your research project on paper is essential for writing grants. The purpose of this seminar is to help faculty in composing and clearly describing their underlying research question, hypothesis, and specific aims. This session will include tips for developing your research question and how to progress to defining your hypothesis and specific aims.

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

[Register Now!](#)

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### NIH Basics: Understanding Grant Mechanisms, Funding Announcements, and using NIH RePORTER

Thursday, April 25

9:00 - 10:00am

**Hybrid Session: Zoom & In-person**

(HSRF3 Building, Room 1010, 670 W. Baltimore St (1st floor))

Understanding the NIH organizational structure, how to identify the right funding mechanism and announcement, and the grants review process 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 early stage faculty not familiar with NIH funding. This session will cover topics including: an overview of the different NIH funding mechanisms; identifying Funding Opportunity Announcements (FOAs); using NIH RePORTER; and the NIH system of Peer Review.

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

[Register Now!](#)

## Research Skills Seminar Series

### Working Effectively with a Biostatistician

Tuesday, March 26

9:00 – 10:00am

Zoom

The role of a statistician in quantitative biomedical research is fundamental. This seminar is intended to help investigators understand this role and establish an effective working relationship with a biostatistician. We will discuss how the statistician can help with the design and conduct of research, from refining the initial concept to the analysis and interpretation of study outcomes.

Get answers to some frequently asked questions: When to enlist the help of a statistician? Which aspects of developing a research proposal/grant/manuscript can a statistician help with? How to find a statistician? And how to pay for his/her services?

**Speaker: Soren M. Bentzen, Ph.D., D.M.Sc., FBIR, FASTRO**, Professor, Departments of Epidemiology and Public Health and Radiation Oncology; Director of the Division of Biostatistics and Bioinformatics; Director of the UMGCCC Biostatistics Shared Service; Director of the Biostatistics Core, Institute of Clinical and Translation Research at UMB

[Register Now!](#)

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**Information Session:**  
**International Research Support Services at UMB**

**Wednesday, April 17**

**1:00 – 2:00pm**

**Zoom**

The **International Operations (IO)** division serves the University of Maryland, Baltimore (UMB) community as it engages in the international implementation of global education, research, and service. In partnership with the **Center for Global Engagement (CGE)**, they provide comprehensive assistance through the **Global Hub** for personalized support of international activities conducted by UMB personnel. This session will provide an overview of the services available to UMB researchers including support for international travel, safety and security, procurement, finance, human resources, compliance, and other operational areas.

**Speakers:**

- **Danielle Hill, Senior Program Specialist**, International Operations, UMB
- **Virginia Rowthorn, JD, LLM**, Assistant Vice President, Global Engagement, UMB; Executive Director, Center for Global Engagement, UMB
- **Anna Schowengerdt**, Assistant Vice President, International Operations, UMB
- **Herty Cortez Diaz**, Director, International Risk Management, 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

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.



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/Zoom**. 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 and prioritizing feasible writing goals.***

### **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](#)**

## **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](mailto: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, PhD](#) or [Stacie Mendoza](#).

## 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, College Park

*Research Development Office*

Panel Discussions:

## **NIH Career Development (K) Awards**

**Thursday, March 7 @ 9:00am**

**Monday, March 11 @ 11:00am**

**Zoom**

The **UMD Research Development Office** is hosting 2 virtual panel discussions focused on NIH Career Development (K) awards - one with a panel composed of reviewers of these applications, and one with faculty recipients. These sessions are designed to help interested faculty and fellows understand key considerations for K applications through hearing from faculty and fellows with first-hand experience as applicants or reviewers. See [flyer](#) for more details.

March 7 @ 9am: **Views from Study Section**; Register [here](#)

March 11 @ 11am: **What we wish we had known**; Register [here](#)

Email questions to [Michelle Smith, CCRP](#), Proposal Development Manager, Research Development Office, Division of Research, University of Maryland

# University of Maryland School of Nursing

*Research Seminar Series*

## **The Standard Operating Procedure on SOPs**

**Thursday, March 21**

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

**Zoom**

Please join the UMSON for their monthly research seminar and the Baltimore SOCRA chapter as they host **Aryn Knight**, *Associate Vice President, Clinical Research at Memorial*

*Hermann Health System.* Aryn will be discussing why we need standard operating procedures (SOPs) and how to create them.

**Speaker: Aryn Knight, BS, CCRP**, Associate Vice President, Clinical Research, Memorial Hermann Health System

[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**

### **V FOUNDATION**

#### **Adult Translational Cancer Research Grant**

This RFA is specifically for **adult cancer** research that falls into preclinical/translational research. This year, the foundation has a special interest in **colorectal cancer** and

### **WHITEHALL FOUNDATION**

#### **Research Grant**

The Whitehall Foundation funds grants in basic research in neurobiology, defined as follows: Invertebrate and vertebrate (excluding clinical) neurobiology, specifically investigations of neural mechanisms involved in sensory, motor,

welcome research projects in this area as well as all other adult cancer research areas. Please see the attached [RFA](#) for more details.

**If interested in being considered for nomination, please email a one-page abstract and NIH biosketches for all key personnel to [Sarah Laye](#) by Monday 3/11/24.**

**Important dates:**

- Nomination Form Due: by 5:00 PM EST on March 21, 2024
- Application Due: by 5:00 PM EST on April 19, 2024
- Earliest Start Date: August 1, 2024

**AMERICAN CANCER SOCIETY**

- **Discovery Boost Grants**
- **AHEAD Awards**
- **Research Scholar Grants**
- **Clinician Scientist Development Grant (CSDG)**
- **Mission Boost Grants**
- **Postdoctoral Fellowships**

**DEADLINE:** April 1 & October 15, 2024  
Visit the [WEBSITE](#) for more information.

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:** April 15, 2024

**APPLICATION DEADLINE:** September 1, 2024

Visit the [WEBSITE](#) for more information.

**MARCH OF DIMES**

**Basil O'Connor Starter Scholar Research Award**

This award is intended to be an early career grant to young investigators who are just embarking on an independent research career.

**AREAS OF RESEARCH:** Serious medical conditions that affect the health of a woman's pregnancy and/or mothers and newborns within the first year postpartum.

**DEADLINE:** May 31, 2024

Visit the [WEBSITE](#) for more information

**GERBER FOUNDATION**

**Research Grants**

The Foundation's mission focuses on infants and young children. Accordingly, priority is given to projects that improve the nutrition, care and development of infants and young children from the first year before birth to three years of age.

**CONCEPT PAPERS DUE:** May 15, 2024

Visit the [WEBSITE](#) for more information.

## 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)**

**University of Maryland School of Medicine**

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Baltimore, Maryland 21201-1559

**Phone:** (410) 706-5434

**Visit CARTI's [Website!](#)**

## Follow us!

