



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:

- **Clinical/Translational Research Training Track Pilot Program** ~ **Applications due 5/27**
- **(New) Communicating Research Findings with Broad Audiences** (3-Part Seminar Series)
- **(New) UM Ventures: IPP, Commercialization, & Industry Partnerships** (3-Part Seminar Series)
- **Upcoming Seminars:** Conflict Resolution; Responding to Reviewers; Increasing Research Visibility and Impact; and DoD Funding
- **New NIH Policy for Data Management and Sharing Coming Jan 2023**
- **NIH, NSF and DoD Funding Opportunities**

Special Announcement!

Now Accepting Applications!
Clinical/Translational Research Training Track Pilot Program
Application Deadline: May 27, 2022 by 5:00pm EDT

CARTI is launching a pilot for the Clinical/Translational 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 pilot program and to download the application.

Information Session:

On **Monday, May 9th** from **11:30am – 12:00pm**, CARTI will be holding an information session via Zoom to discuss and answer questions re: the Clinical/Translational Research Training Track Pilot Program and application process.

Click [HERE](#) to register

CARTI's Upcoming Seminars

Communicating Research Findings with Broad Audiences 3-Part Seminar Series

Wednesdays, May 4th, 11th and 18th • 1:00 – 2:00pm (Zoom)

CARTI is excited to offer a new 3-part seminar series on “**Communicating Research Findings with Broad Audiences**”. The goal is for faculty to gain a greater appreciation of what it means to effectively communicate research findings or medical advances with audiences having broad, general knowledge and experiences. The seminar series will provide an overview of the practice of inclusive science communications, with a focus on raising participants’ awareness of audience needs, prior knowledge, and biases. Effective communication with two specific audiences will be highlighted: legislators and journalists. The objective is to identify best practices in communications skills to help participants tailor their written and oral projects appropriately, equitably, and respectfully to meet a defined audience’s expectations and needs.

Please see the topics for each session below.

May 4: 1) What is effective communication? 2) Defining your audience and 3) Distilling your message

Presenter: Julie A. Wu-Rosen, PhD, Assistant Professor, Department of Obstetrics, Gynecology & Reproductive Sciences; Executive Director, Medical Research & Scientific Publications, UMSOM

May 11: Communicating with legislators

Presenter: Kevin P. Kelly, Esq., Chief Government Affairs Officer & Vice President, UMB

May 18: Communicating with members of the media

Presenter: Deborah Kotz, Senior Director of Media Relations, Office of Public Affairs & Communications, UMSOM

Please register for the entire series and only attend the session(s) of your choice.

Click [HERE](#) to register

UM Ventures Series: Intellectual Property Protection, Commercialization, & Industry Partnerships 3-Part Seminar Series

Tuesdays, June 7th, 14th & 21st • 1:00 – 2:00pm (Zoom)

In collaboration with UM Ventures, Baltimore, the Center for Advanced Research Training and Innovation (CARTI) is sponsoring a new 3-part seminar series to help UMB investigators navigate through the technology transfer and commercialization process. UM Ventures, Baltimore provides services and resources to investigators to assist with obtaining intellectual property protection, technology commercialization, startup formation, successful industry partnerships, and realizing financial gains with royalty and licensing revenues.

Please see the details for each session and how to register below:

June 7: UM Ventures Introduction and Intellectual Property

Topics covered:

- Overview of UM Ventures' mission
- Office of Technology Transfer (OTT) resources
- Technology transfer process
- Invention disclosure & Intellectual Property (IP)-related Confidential Disclosure Agreements (CDAs)
- Intellectual Property (IP) policy
- Government reporting & Compliance
- Types of Intellectual Property (IP)

Presenters:

- **Nancy Cowger, PhD**, Director, Technology Licensing, Office of Technology Transfer, UMB
- **Rebecca Bettles, MS, MBA**, Senior Licensing Officer, Office of Technology Transfer, UMB
- **Dustin Lee, JD**, Patent Attorney Office of Technology Transfer, UMB
- **Gail Knott**, Senior Research Technology Transfer Specialist, Office of Technology Transfer, UMB

June 14: Marketing, Agreements, and Revenue

Topics covered:

- Overview of Marketing Intellectual Property (IP) and IP-related confidential disclosure agreements (CDAs)
- Co-owned Intellectual Property (IP)
- Inventions with collaborators
- Sponsored Research Agreements (SRAs) and Intellectual Property (IP)
- Licenses & Start-Ups
- Compliance/Accounting
- Revenue Distribution to Inventors

Presenters:

- **Rebecca Bettles, MS, MBA**, Senior Licensing Officer, Office of Technology Transfer, UMB
- **Gail Knott**, Senior Research Technology Transfer Specialist, Office of Technology Transfer, UMB
- **Nancy Woon Schaefer**, Assistant Finance Director, Office of Research and Development, UMB

June 21: Startup Support and Resources

Topics covered:

- Introduction to the New Ventures team
- Office of Technology Transfer (OTT) campus resources for PIs and startups

- Maryland Innovation Initiative (MII) Site Miners & Entrepreneurs in Residence (EIRs)
- Funding Sources
- Investments
- Campus Initiatives

Presenters:

- **Rebecca Bettes, MS, MBA**, Senior Licensing Officer, Office of Technology Transfer, UMB
- **Rana Quraishi, PhD**, Director of New Ventures, UM Ventures Office, UMB
- **Mary Morris**, Director of the Baltimore Economic Development Fund, UM Ventures Office, UMB

Please register for the entire series and only attend the session(s) of your choice.

Click [HERE](#) to register

MANAGING YOUR RESEARCH PROGRAM Seminar Series

Conflict Resolution for Scientists & Physicians: Tips for Dealing with Conflicts Successfully

Tuesday, May 10 • 9:00 – 10:00am (Zoom)

Conflicts occur frequently in the workplace and within research teams over differing perspectives, need for resources, personalities, work load and time pressures. This session will help participants better understand their own approach to dealing with conflict, as well as understanding some of the major differences in how others deal with conflict. The goal of this session is to help participants deal with conflicts more successfully, whether in the lab or in the clinic.

Speaker: Toby Guerin, JD, Associate Director of the Center for Dispute Resolution at the University of Maryland Francis King Carey School of Law (C-DRUM) and Clinical Law Instructor

Click [HERE](#) to register

SCIENTIFIC WRITING Seminar Series

Responding to Reviewers

Thursday, May 12 • 9:00 – 10:00am (Zoom)

The ability to effectively respond to reviewers is an important aspect of resubmitting a research paper and having it accepted for publication; however, this process can be a daunting task. During this session, participants will receive helpful advice on how to best respond to reviewers' comments when resubmitting a research paper.

Speaker: Shannon Takala Harrison, PhD, Associate Professor of Medicine and Epidemiology and Public Health, Center for Vaccine Development and Global Health, UMSOM

Click [HERE](#) to register

CAREER SKILLS "SHORT" SEMINAR SERIES

Increasing Your Research Visibility and Impact

Tuesday, May 17 • 9:00 –9:30am (Zoom)

This seminar will walk you through methods of enhancing the impact of your research. Topics will include establishing your scholarly identity, making strategic publishing decisions, and increasing the discoverability of your work.

Speaker: **Andrea Goldstein Shipper**, MSLIS Research, Education and Outreach Librarian, Health Sciences and Human Services Library, UM

Click [HERE](#) to register

FUNDING Seminar Series

Department of Defense (DoD) Funding Seminar

Thursday, June 2 • 9:00 –10:00am (Zoom)

The Department of Defense (DoD) offers a number of funding opportunities available to faculty and postdocs. This seminar will introduce participants to the various types of grant applications available through the DoD. Subjects will include how to identify the appropriate award mechanism, tips for applying, and insights into the review process.

Speakers:

Gary Fiskum, PhD

M. Jane Matjasko Professor for Research & Vice Chair, Research
Department of Anesthesiology, UMSOM

Mohammad Minhaj Siddiqui, MD

Associate Professor of Surgery, Director of Urologic Oncology and Robotic Surgery;
Chief of Urology, Baltimore VA Medical Center

Click [HERE](#) to register

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**

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.

(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 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

If you are interested in participating in a virtual SWAG, please complete the following form [HERE](#).

New groups are being formed on a rolling basis.

Questions? Email [Stacie Mendoza](#)

Professional Development Resources

Recommended by CARTI

NIH Research Methods Resources

The Research Methods Resources website provides investigators with important research methods resources to help them design their studies using the best available methods. The material is relevant to both randomized and non-randomized trials, human and animal studies, and basic and applied research.

Visit [website](#) for full article.

CSR Insider's Guide to Peer Review for Applicants

To help new and established applicants submit better applications, CSR asked current and recent study section chairs to share their insights on producing a highly competitive NIH grant application. Includes 20 recommendations.

Visit [Website](#) for full article.

Top 10 Peer Review Q&As for NIH Applicants

Find answers from the center for scientific review (CSR) to the top 10 Frequently Asked Questions.

Visit [website](#) for full article.

Writing Your K or CDA Progress Report

5 suggestions for how to put your best foot forward to your funding agency and complete your annual progress report.

Visit [Website](#) for full article.

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**
- **Career Skills Short Seminar Series** (*30 minute lectures*)

To gain access, email [Stacie Mendoza](mailto: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

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

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

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.

Clinical & Translational Research Training

Applications are now being accepted by the Graduate School for the:

- **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:

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: February 15, 2022

Final Application Deadline: May 15, 2022

For more information, visit the [website](#)

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, 2022

Final Application Deadline: May 15, 2022

For more information, visit the [website](#)

For an individual consultation on whether this training is appropriate for you, please contact **Jennifer Albrecht, PhD**, jalbrecht@som.umaryland.edu

Office of Faculty Affairs & Professional Development
Faculty Development Workshops

Preparing for Promotion

May 6, 2022
9:00 – 11:00am
Click [HERE](#) to register

June 15, 2022
10:00 – 12:00pm
Click [HERE](#) to register

Objectives: Upon completion of this activity, participants should be able to:

1. Develop a Clinical Portfolio
2. Develop a Teaching Portfolio
3. Learn to correctly research publications and citation analysis
4. Prepare a correctly formatted Curriculum Vitae

Accreditation

The University of Maryland School of Medicine is accredited by the [Accreditation Council for Continuing Medical Education](#) to provide continuing medical education for physicians.

The University of Maryland School of Medicine designates this Live activity for a maximum of 2.00 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Credits

AMA PRA Category 1 Credits™ (2.00 hours), Non-Physician Attendance (2.00 hours)

Please contact **Ms. Robertha Simpson** at rsimpson@som.umaryland.edu with any questions.

University of Maryland School of Nursing Research Seminar Series

Community Based Participatory Research

Thursday, May 19 • 12:00 – 1:00pm (Webex)

Please join the UMB School of Nursing as we host a research seminar on community based participatory research given by the UMB IRB Chair and Professor, **Dr. Robert Rosenthal**, and the Assistant Vice President, UMB Research Compliance, **Dr. Julie Doherty**.

Click [HERE](#) to register

Health Sciences & Human Services Library (HSHSL)

New NIH Policy for Data Management and Sharing Coming Jan 2023

On January 25, 2023, the new NIH Policy for Data Management and Sharing will come into effect. This new policy will require:

1. Submission of a **data management and sharing plan** with **all** NIH grant applications for projects that generate scientific data, and
2. **Compliance** with that plan

Have no fear, the [Center for Data and Bioinformation Services](#) (CDABS) is here to help you prepare for this change! CDABS facilitates access for UMB researchers to several [great resources](#) for working with data at all stages of the data lifecycle. You can write and request feedback on your data management plans with [DMPTool](#) and stay organized with [OSE](#), a collaborative project management tool. [ICPSR](#) and [QDR](#) are excellent repository options for sharing sensitive data, and the [UMB Data Catalog](#) can hold a record of your shared data, with metadata and access instructions. [Schedule a consult with us](#) to talk more in-depth about your personalized data management needs, finding an appropriate repository, and anything else data-related!

For more information, read the [policy full text](#), and visit the new [NIH Data Sharing website](#) for policy breakdown, supplemental information, and news. Stayed tuned to this space for announcements on additional workshops and resources offered by CDABS.

Questions? Contact: **Amy Yarnell**, data services librarian and **Jean-Paul Courneya**, bioinformationist, at data@hshsl.umaryland.edu.

NIH COVID-19 Related Updates & Funding

NIH Updates

Information for NIH Applicants and Recipients of NIH Funding during COVID-19 Pandemic (*including Funding Opportunities Specific to COVID-19*) can be found [HERE](#)

COVID-19 Funding Websites

The following websites provide a frequently updated listing of COVID-19 related funding opportunities.

- [UNIVERSITY OF MARYLAND](#)

The **UMD-College Park Division of Research** issues funding alert emails on a weekly basis. To receive this alert, fill out the [online form](#). Visit the [COVID-19 Research @ UMD](#) page for updates, listings, news, etc.

- [JOHNS HOPKINS UNIVERSITY](#)

Funding Opportunities

GERBER FOUNDATION

Research Grant

This program supports research projects to identify solutions to common everyday issues and problems in the field of children's health, nutrition, and/or development. The program specifically seeks projects in the following three research program focus areas:

Pediatric Health

Pediatric Nutrition

Environmental Hazards (Nutrient Competitors)

Concept papers due: May 15, 2022

Visit [WEBSITE](#) for more info.

NATIONAL SCIENCE FOUNDATION (NSF)

Faculty Early Career Development Program (CAREER)

This program is a Foundation-wide activity that offers the National Science Foundation's most prestigious awards in support of early-career faculty who have the potential to serve as academic role models in research and education and to lead advances in the mission of their department or organization.

DEADLINE: July 27, 2022

Visit [WEBSITE](#) for more info.

ONE MIND

Rising Star Awards

One Mind-COMPASS Rising Star Awards will be awarded to researchers who are working to catalyze a deep mechanistic understanding of psychiatric disorders and therapeutic action, with the end-goal of identifying or developing biomarkers and therapeutic interventions to better diagnose, treat, and prevent such disorders.

DEADLINE: June 6, 2022

Visit [WEBSITE](#) for more info.

DEPARTMENT OF DEFENSE (DoD)

Congressionally Directed Medical Research Programs

- Autism Research Program
- Epilepsy Research Program
- Neurofibromatosis Research Program (NFRP)
- FY22 Pancreatic Cancer Research Program
- Peer Reviewed Alzheimer's Research Program
- Peer Reviewed Cancer Research Program
- Peer Reviewed Orthopaedic Research Program
- Prostate Cancer Research Program
- Rare Cancers Research Program
- Tick-Borne Disease Research Program
- Tuberous Sclerosis Complex Research Program

Upcoming deadlines for Letter of Intent.

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

LITTLE GIRAFFE FOUNDATION

Neonatal Research Grants

Applications are invited to submit applications for research grants directed at addressing both the long term and immediate health needs caused by premature birth. Applications are encouraged in the areas of basic biological processes governing development, genetics, clinical studies, studies of reproductive health, environmental toxicology, and social and behavioral studies.

LOI DEADLINE: June 24, 2022

Visit [WEBSITE](#) for more info.

NATIONAL INSTITUTES OF HEALTH (NIH)

Director's New Innovator Award

Funding opportunities for unusually creative early stage investigators

Part of the High-Risk, High-Reward Research program, the award supports exceptionally creative early career investigators who propose innovative, high-impact projects in the biomedical, behavioral or social sciences within the NIH mission.

·APPLICATIONS DUE: August 19, 2022

Visit [WEBSITE](#) for more info.

NATIONAL INSTITUTES OF HEALTH (NIH)

Director's Early Independence Award

The Early Independence Award enables outstanding junior scientists with the intellect, scientific creativity, drive, and maturity to bypass the traditional postdoctoral training period and launch an independent research career. Applicants must have recently completed or will soon complete her/his doctoral degree or clinical training and have the support and guarantee of an independent research position from a host institution.

APPLICATION DEADLINE: September 2, 2022

Visit [WEBSITE](#) for more info.

NATIONAL INSTITUTES OF HEALTH (NIH)

Director's Pioneer Award

Funding opportunities for exceptionally creative scientists proposing pioneering approaches

Part of the High-Risk, High-Reward Research program, the award supports scientists with outstanding records of creativity pursuing new research directions to develop pioneering approaches to major challenges in biomedical, social science, and behavioral research.

APPLICATIONS DUE: September 9, 2022

Visit [WEBSITE](#) for more info.

AMERICAN HEART ASSOCIATION Career Development Award

Supports highly promising healthcare and academic professionals, in the early years of one's first professional appointment, to explore innovative questions or pilot studies that will provide preliminary data and training necessary to assure the applicant's future success as a research scientist.

DEADLINE: December 8, 2022

Visit [WEBSITE](#) for more info.

Seeking Foundation Funding for your Research?

The SOM's Office of Development, Corporate and Foundation Relations, provide 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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