

RESEARCH CAREER DEVELOPMENT NEWSLETTER

WEBSITE: <http://medschool.umaryland.edu/career>

March 2021

The **Office of Research Career Development Program (RCD)** supports the research and professional development of SOM faculty with an emphasis on supporting early stage faculty. **RCD** provides programs and resources to develop skills in effective grant writing, scientific communication, and scientific leadership. In addition, RCD offers one-on-one consultations in areas that are critical to academic research. To view the events and services offered by RCD, please visit:

<http://medschool.umaryland.edu/career/>.

In compliance with the UMB COVID-19 Response Policies, RCD will only be offering virtual events at this time.

RESEARCH SKILLS SEMINARS

Tips for Developing the Budget and Justification for an NIH Grant Application

Wednesday, March 24 • 9:00 – 10:00am (Zoom)

This seminar is targeted to faculty and postdoctoral fellows who plan on submitting an NIH grant application and want to understand the basics of developing a budget. This seminar will address both the strategic questions involved in budgeting, as well as the basic components of a budget. Topics include the following: personnel issues, including differences between collaborators and consultants, as well as how to determine percent effort; direct vs indirect costs; budget categories, and what items to include, etc.

Speaker: Robert Mitchell, Associate Director for administration of the Marlene & Stewart Greenebaum Comprehensive Cancer Center, UMSOM

Registration required: <https://registrationrcdp.eventbrite.com>

Maximizing Translational Research with ICTR

Thursday, April 22 • 1:00 – 2:00pm (Zoom)

Speaker: Stephen N. Davis, MBBS, FRCP, FACE, MACP, Theodore E. Woodward Professor of Medicine, Professor of Physiology; Chairman, Department of Medicine, UMSOM; Director, Institute for Clinical and Translational Research, Vice President of Clinical Translational Science, UMB; Physician-in-Chief, UMMC

The UMB's Institute of Clinical and Translational Research (ICTR) is a campuswide clinical translational research initiative which provides high-quality, cost-effective informatics, biostatistics, clinical resources, mentorship, and other core services that will support clinical research, community engagement, ethics and regulatory science, pilot projects, and the development of novel technologies.

During this session, Dr. Davis will highlight ICTR-supported resources available to invigorate, facilitate, and accelerate clinical translational research to improve patient and community health. For more information on UMB ICTR, visit [website](#).

Registration required: <https://registrationrcdp.eventbrite.com>

Getting Your Protocol Through the IRB

Tuesday, May 4 • 9:00 – 10:00am (Zoom)

This seminar will cover the basics of conducting human subjects research at UMB. Included within the discussion will be an introduction to the Human Research Protections Program (HRPP), the basics of conducting research at UMB, principal investigators' responsibilities, as well as a discussion of the Comprehensive Institutional Collaborative Evaluation of Research On-line (CICERO) program for submitting and reviewing human subjects research protocols. Recent changes to the federal regulations concerning human subjects research known as the "Common Rule" will also be discussed.

Speaker: Jon Mark Hirshon, MD, MPH, PhD, Senior Vice Chair, IRB; Professor, Department of Emergency Medicine; Professor, Department of Epidemiology and Public Health, UMSOM.

Registration required: <https://registrationrcdp.eventbrite.com>

MANAGING YOUR RESEARCH PROGRAM

Bi-Monthly Seminar Series

The purpose of the **Managing Your Research Program Seminar Series** is to support faculty, fellows and senior postdocs who are either new to leading a research team or are interested in honing their leadership skills. Each session focuses on a subject/skill set that is important to successfully developing and managing a research program/team. Registration is available for the next two sessions.

Negotiation Skills

Tuesday, March 9 • 9:00 – 10:00am (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: Peter Crino, MD, PhD, Chair & Professor, Department of Neurology, UMSOM

Registration required: <https://registrationrcdp.eventbrite.com>

Leading a Diverse and Inclusive Lab

Tuesday, May 11 • 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, UMSOM

Luana Colloca, MD, PhD, MS

Associate Professor, UMSOM, Director, CTSA TL1 Pre- and Postdoctoral Training Program, UMSOM

Mary Kay Lobo, PhD

Professor, Anatomy & Neurobiology, UMSOM

Registration required: <https://registrationrcdp.eventbrite.com>

SCIENTIFIC WRITING Monthly Seminar Series

The purpose of the **Scientific Writing Seminar Series** is to help faculty, fellows and postdocs write clear, well-organized scientific papers. Each session focuses on an important aspect of scientific writing. Registration is available for the next three sessions. Dates and subjects for the subsequent monthly sessions will be announced in future newsletters.

Tips for Scientific Writing with a focus on clarity/editing Thursday, March 11 • 9:00 – 10:00am (Zoom)

Scientific papers that are well-written have higher rates of acceptance, but often scientists are unsure of how to present their research succinctly and clearly. This seminar focuses on tips for writing scientific research papers with a primary emphasis on clarity and editing. The session makes use of examples to reflect common errors in scientific writing, and how to address these.

Speaker: Isabell May, PhD, Director, Writing Center, UMB

Registration required online at: <http://registrationrcdp.eventbrite.com>

Tips for Writing Case Reports, Commentaries and Review Articles

Thursday, April 15 • 9:00 – 10:00am (Zoom)

This session will help clinicians/clinician educators learn how to initiate and develop peer reviewed publications that don't involve "traditional" peer-reviewed research. Participants will also learn strategies to get the most out of being promoted with these types of publications (e.g. Do the literature search for a grand rounds talk and then publish a review; involve a trainee in a case report and get points for mentoring and a publication).

Speaker: Rose Viscardi, MD, Professor, Department of Pediatrics, UMSOM

Registration required online at: <http://registrationrcdp.eventbrite.com>

Writing and Conducting a Systematic Review

Thursday, May 13 • 9:00 – 10:00am (Zoom)

This seminar provides an overview of the systematic review process. According to the Cochrane Handbook, a systematic review is "...a review of a clearly formulated question that uses systematic and explicit methods to identify, select and critically appraise relevant research, and to collect and analyze data from the studies that are included in the review."

This differs from narrative reviews, which are often authored by experts in a field and are generally narrative summaries of a topic. Find out what you should know before starting, important steps for conducting a review and resources to help you throughout the process, including the HS/HSL Systematic Review Service.

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

Registration required online at: <http://registrationrcdp.eventbrite.com>

SCHOLARLY WRITING ACCOUNTABILITY GROUP (SWAG) PROGRAM

Virtual Program to Help Faculty Increase Their Scholarly Writing Productivity

The Office of Research Career Development (RCD) 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 and prioritizing feasible writing goals.**

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

For more information on our SWAG program, visit:

<https://www.medschool.umaryland.edu/career/Scholarly-Writing-Accountability-Group-SWAG-Program/>

If you are interested in participating in a virtual SWAG, please complete the following form:

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

New groups are being formed on a rolling basis.

Questions?

Contact **Stacie Mendoza** at smendoza@som.umaryland.edu

FUNDING SEMINAR SERIES

Corporate Funding Seminar

Friday, March 12 • 9:00 – 10:00am (Zoom)

This seminar will provide an overview of the range of SOM's corporate funding projects and describe state programs that help pay for collaborations with Maryland companies. Other topics include:

- Difference between applying for corporate funding and federal/non-profit funding
- Confidentiality Agreements
- Material Transfer Agreements
- Developing a Scope of Work and Budget with a potential corporate sponsor
- Submitting information to UMB's Center for Clinical Trials and Corporate Contracts (CCT) via UMBiz
- CCT's processes and how the PI can track its progress

Target audience: UMB faculty and postdocs considering the pursuit of corporate funding sources for their research.

Speakers:

Michael Rollor, MBA, PhD

Associate Vice President, Center for Clinical Trials & Corporate Contracts, UMB

Philip Robilotto, DO, MBA

Director, UM Ventures Baltimore, Associate Vice President, Office of Technology Transfer, UMB

Registration required online at: <http://registrationrcdp.eventbrite.com>

Funding Opportunities through the US Department of Veteran Affairs (VA)

Thursday, April 29 • 9:00 – 10:00am (Zoom)

Speaker: Frederick M. Ivey, PhD, Acting Deputy Associate Chief of Staff, Baltimore VA Medical Center, Research & Development Service

The US Department of Veteran Affairs (VA) offers a number of funding opportunities available to faculty and postdocs. Dr. Ivey will introduce participants to the various types of grant applications available through the VA, including eligibility requirements, tips for applying, and insights into the review process.

Registration required online at: <http://registrationrcdp.eventbrite.com>

OFFICE OF RESEARCH & SCHOLARSHIP University of Maryland School of Nursing

Reportable New Information (RNI)- What UMB Researchers NEED to know

Thursday, March 18 • 12:00pm (Webex)

Dr. Julie Doherty, Executive Director of the Human Research Protections Program in the UMB Office of Accountability & Compliance will describe the reportable new information criteria and submission requirements for ALL UMB Human Subjects researchers.

Registration required online [HERE](#)

PROFESSIONAL DEVELOPMENT RESOURCES RECOMMENDED BY RCD

MARCH PICKS!

The Edge for Scholars - Articles on Negotiation Skills

1. **Negotiating for Your First Academic Position**
William Cooper, MD, MPH
(Almost) everything is negotiable.
<https://edgeforscholars.org/negotiating-for-your-first-academic-position/>
2. **Salvaging an Insufficient Offer**
[Motivated Mentor](#)
The crash doesn't have to be fatal.
<https://edgeforscholars.org/salvaging-an-insufficient-offer/>
3. **Asking for What You Need: Intentional Negotiation**
[Shari Barkin, MD, MSHS](#)
4. **Asking for what you need.**
<https://edgeforscholars.org/asking-for-what-you-need-intentional-negotiation/>
5. **Like It or Not, You're a Negotiator: Getting to Yes**
[The Edge for Scholars](#)
A straightforward method to reach mutually satisfying agreements.
<https://edgeforscholars.org/like-it-or-not-youre-a-negotiator-getting-to-yes/>
6. **Not That Kind of Job Offer: Tales of Negotiation**
[Pipette Protagonist, PhD](#)
The job search is over and now the negotiation begins.
<https://edgeforscholars.org/not-that-kind-of-job-offer-tales-of-negotiation/>

Defense of the Scientific Hypothesis

YouTube video series by **Bradley Alder, PhD**, Professor Emeritus, Department of Physiology, Program in Neuroscience at UMSOM:
https://www.youtube.com/playlist?list=PLO_C4TCHwTpTLsz2BCvgKpr0DoA7aUjD1

This series consists of the following short (5-10 min) videos on various aspects of scientific thinking:

1. **Scientific Hypothesis Series – Introduction**
2. **Hypotheses and Predictions**
3. **The Basic Processes of Scientific reasoning**
4. **The Truth About Falsification**
5. **John Platt and Multiple Hypotheses**
6. **Differences Between Statistical and Scientific Hypotheses**
7. **Characteristics of a Good Scientific Hypothesis**
8. **The “IF...THEN...” Connection and the Scientific Hypothesis**
9. **Kinds of Science – Basics & Applied**
10. **When Scientific Hypotheses are Implied But Not Stated**
11. **The Hypothesis in a Web of Hypotheses**
12. **“Negative Data” and the File Drawer Problem**
13. **Benefits of the Scientific Hypothesis: #1 Antidote to Unconscious Bias**
14. **Benefits of the Hypothesis: #2 Antidote to Conscious Bias**

INDIVIDUAL CONSULTATIONS Offered by RCD

RESEARCH GRANT APPLICATION/SUMMARY STATEMENT CONSULTATIONS

Christy Chang, PhD, Senior Program Advisor for Research Career Development, 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 a 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, Director for Research Career 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

FUNDING SOURCE CONSULTATIONS

Stacie Mendoza, Program Director for Research Career Development, 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

COVID-19 RELATED UPDATES & FUNDING WEBSITES

NIH UPDATES

- **Information for NIH Applicants and Recipients of NIH Funding during COVID-19 Pandemic (including Funding Opportunities Specific to COVID-19):** <https://grants.nih.gov/policy/natural-disasters/corona-virus.htm>
- **Funding for Research on COVID-19 and Information for NIH Applicants re: Impact of COVID-19 on Grants and Submissions**

The following [document](#) includes COVID-19 Information for NIH Applicants and a list of COVID-19 related research funding opportunities and databases. This document is posted on the [RCD website](#) under the “**Funding Highlights**” section located on the Home Page.

WEBSITES LISTING FUNDING OPPORTUNITIES SPECIFIC TO COVID-19

- **EDGE FOR SCHOLARS:**
<https://edgeforscholars.org/covid-19-funding-updates/>
- **UNIVERSITY OF MARYLAND:**
<https://umd.infoready4.com/#competitionDetail/1809933>
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.
- **INFOED GLOBAL:**
<https://www.infoedglobal.com/COVID19/COVID-19.html>
- **JOHNS HOPKINS UNIVERSITY:**
<https://hub.jhu.edu/novel-coronavirus-information/research-preparedness/research-preparedness-covid-19-funding-opportunities/>

FUNDING OPPORTUNITIES

HARRINGTON DISCOVERY INSTITUTE

Scholar-Innovator Award

The Harrington Scholar-Innovator Award provides research and drug development support to help bridge the gap between basic discovery and the clinical realm.

LOI DEADLINE: April 16, 2021

APPLICATION DEADLINE: July 26, 2021

WEBSITE: <https://www.uhhospitals.org/harrington-discovery-institute/funding-and-programs/scholar-innovator>

ELSA U. PARDEE FOUNDATION

Research grants

The Elsa U. Pardee Foundation funds research directed toward identifying new treatments or cures for cancer. The Foundation funds projects for a one year period which will allow establishment of capabilities of new cancer researchers, or new cancer approaches by established cancer researchers.

APPLICATIONS DUE: April 30, 2021

WEBSITE: <https://pardeefoundation.org/>

CROHN'S & COLITIS FOUNDATION

Clinical Research Investigator - Initiated Awards

1. Career Development Awards

2. Senior Research Awards

The CCF will fund research that will directly impact patient care by addressing an important clinical question by studying people either through direct interaction with the people and/or indirectly by studying people through large databases, such as claims data or administrative data.

LETTER OF INTENT DUE: May 5, 2021

WEBSITE:

<https://www.crohnscolitisfoundation.org/research/grants-fellowships/clinical-research-investigator-initiated-awards>

Foundation Funding Assistance

To learn more about foundation funding opportunities, individual funding searches, and assistance with foundation grant development and submission, please contact:

Ms. Sarah Bradley

Director, Foundation Relations

Office of Development

sbradley@som.umaryland.edu

410-706-0107

LUNG CANCER RESEARCH FOUNDATION (LCRF)

LCRF is offering the three grant programs below:

1. **LCRF-AstraZeneca Grant Program** supports research that will help to address the most profound challenges posed by targeted therapies and immune therapies in lung cancer.
2. **LCRF Pilot Grant Program** supports innovative projects across the full spectrum of basic, translational, clinical, epidemiological, health services, and other research, on a very broad variety of topics related to lung cancer.
3. **LCRF Research Grant on Disparities in Lung Cancer** supports research projects focused on a wide variety of disparities-related topics in lung cancer from investigators of all career levels.

Applications for funding through the **LCRF-AstraZeneca Grant Program** and the **LCRF Pilot Grant Program** will be submitted through a two-step process consisting of a Letter of Intent (LOI) and full proposal. Applicants whose LOI submission is reviewed favorably will be invited to complete a full proposal. Letters of Intent for these two programs will be accepted through **April 30, 2021**.

The **LCRF Research Grant on Disparities** in Lung Cancer RFP applications will be accepted through **May 7, 2021**.

WEBSITE:

<https://www.lungcancerresearchfoundation.org/research/funding-opportunities/>

THE GERBER FOUNDATION

Research Award

The Gerber Foundation's mission focuses on the nutrition, care, and development of infants and young children. Grant-making interests are focused on nutrition and/or health-related research having a significant impact on issues facing infants and young children from the first year before birth to age 3.

CONCEPT PAPER DEADLINE: May 15, 2021

APPLICATION DEADLINE: August 15, 2021

WEBSITE: <https://www.gerberfoundation.org/how-to-apply/>

MORE FUNDING OPPORTUNITIES CAN BE FOUND AT:

UMSOM Internal Funding Opportunities & External Funding Databases

<https://www.medschool.umaryland.edu/career/Resources-for-Research-Faculty/Internal-FundingDatabases/>

UMGCCC Funding Database

(**Cancer related research**) <https://umgcccfundingopps.org/>

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