

The **Research Career Development Program (RCD)** offers workshops, classes and seminars in subjects that are crucial to an academic research career, including Grant Writing, Publishing Your Research and Identifying Funding Sources for Your Research. In addition, RCDP offers symposia on professional skills development, including Scientific Leadership & Professional Development. To view the events and services offered by RCD and upcoming grant deadlines etc., please visit: <http://medschool.umaryland.edu/career/>.

SPECIAL ANNOUNCEMENT

Office of Research Career Development Welcomes New Director



The Office of Research Career Development is pleased to welcome **Marey Shriver, PhD**, as Director for Research Career Development. Dr. Shriver previously served as research administrator in the Office of Research Affairs, UMSOM. She received her PhD in Molecular Medicine from the University of Maryland School of Medicine and completed a Postdoctoral Fellowship at Johns Hopkins University School of Medicine.

The addition of Dr. Shriver to the Office of Research Career Development will expand program services, allowing more individual support to investigators in planning, developing and writing grant applications. For early stage faculty or faculty with little experience writing grants, Dr. Shriver will provide new classes and workshops including “Developing a Research Question and Hypothesis” and “Planning Your Grant Application”. For more experienced faculty, Dr. Shriver will provide consults and feedback on Specific Aims, and address questions regarding research strategy. The opportunity to implement a new series of professional development activities for faculty attracted Dr. Shriver to the position *“I look forward to working closely with SOM faculty on their research projects from the early stages of conception to preparing grant applications.”* says Dr. Shriver.

If you are planning or developing a grant application and would like to meet with Dr. Shriver, please email her at Mshriver@som.umaryland.edu.

The Office of Research Career Development is hosting an informal luncheon on **Wednesday, January 23rd** to give SOM faculty the opportunity to stop by, introduce themselves, and to speak with Dr. Shriver about their current and future research plans. Please see the details and registration information on page 2 of this newsletter.

UPCOMING EVENTS

Identifying Funding Sources for Postdocs

Tuesday, January 8

9:00 – 10:00am

685 W. Baltimore Street, MSTF Building, Room 316

This interactive workshop, given by **Stacie Mendoza**, *Program Director*, will assist postdocs in identifying non-NIH sources of funding for their research. Topics will include:

- Comprehensive introduction to various funding resources, including searchable databases and useful websites
- Helpful tips for identifying sources of funding
- Interactive demonstration using funding databases

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

Identifying Funding Sources for Faculty

Wednesday, January 9

9:00 – 10:00am

685 W. Baltimore Street, MSTF Building, Room 316

This interactive workshop, given by **Stacie Mendoza**, *Program Director*, will assist faculty in identifying non-NIH sources of funding for their research. Topics will include:

- Comprehensive introduction to various funding resources, including searchable databases and useful websites
- Helpful tips for identifying sources of funding
- Interactive demonstration using funding databases

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

“Meet, Greet & Eat” with the NEW Director of the Research Career Development Program

Wednesday, January 23

12:00 – 1:00pm

685 W. Baltimore Street, MSTF Building, Room 316

The Office of Research Career Development is pleased to introduce **Marey Shriver, PhD**, the new Director for Research Career Development. We are holding an informal “Meet, Greet & Eat” pizza luncheon so that SOM faculty can meet Dr. Shriver, whose new role will expand the level of research and professional support provided to junior faculty. We invite SOM faculty to stop by and introduce themselves, and to speak with Dr. Shriver about their current and future research plans. Dr. Shriver will discuss her new role, and welcomes ideas about ways in which our program can further support our faculty.

The first 5 people who register and attend the luncheon will win a “coffee and consultation” to discuss their research question and hypotheses and get advice on how to turn these into fundable research objectives!

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

Defining Your Project on Paper:

Developing your Research Question, Hypothesis, and Specific Aims

Wednesday, January 30

10:00 – 12:00pm

685 W. Baltimore Street, MSTF Building, Room 316

Explaining the fundamental idea of your research project on paper is essential for writing grants. The purpose of this workshop is to help faculty in composing and clearly describing their underlying research question, hypothesis, and specific aims. The first hour of the session will be a lecture including tips for developing your research question and how to progress to defining your hypothesis and specific aims. During the second hour of the session, participants will have the opportunity to discuss drafts of their research question or specific aims.

Speaker:

Marey Shriver, PhD

Director

Office of Research Career Development, UMSOM

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

Corporate Funding Seminar

Friday, March 1

1:00 – 2:00pm

660 W. Redwood Street, Howard Hall, Room 224
(Epi conference room)

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 corporate funding and federal 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

Chief Commercialization Officer, UM Ventures Baltimore,
Associate Vice President, Office of Technology Transfer, UMB

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

SCIENTIFIC WRITING: Monthly Seminar Series **(Expanded Series)**

Scientific Writing: Monthly Seminar Series Thursdays (September 2018 – June 2019) 9:00 – 10:00am

The purpose of this seminar series is to help faculty, fellows and postdocs write clear, well-organized scientific papers. The series consists of ten (10), 1-hour stand-alone sessions, each of which focuses on an important aspect of scientific writing. Registration is available for the following two sessions. Dates and subjects for the monthly sessions are outlined below and will be described in detail in subsequent newsletters.

Please note: faculty, fellows and postdocs are welcome to attend every session in the series or single sessions of interest.

Please register for each session in the series.

Developing Tables, Figures and Graphs for Your Research Paper Thursday, January 10 9:00 – 10:00am

660 W. Redwood Street, Howard Hall, Room 450

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
Assistant Professor

Department of Epidemiology & Public Health, UMSOM

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

Writing Effective Titles and Abstracts Thursday, February 14 9:00 – 10:00am

621 W. Lombard Street, SMC Campus Center, Room 351

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).

If any participants would like to submit an abstract for discussion, please email a draft to the speaker, Wendy Sanders, at Wsanders@som.umaryland.edu by February 6.

Speakers:

Wendy Sanders, MA
Associate Dean

Office of Research Career Development, UMSOM

Marey Shriver, PhD
Director

Office of Research Career Development, UMSOM

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

SAVE THE DATE!

SCIENTIFIC WRITING: Monthly Seminar Series

Please mark your calendar for the following scheduled sessions on **Thursdays, 9-10am**. **Please note:** The room location has changed for the remaining sessions. Please see the sessions and locations below: Registration information will be announced in future newsletters.

Mar 14: Responding to Reviewers
(SMC Campus Center, Room 210)

Apr 11: Tips for Scientific Writing, with a focus on clarity
(Howard Hall, Room 224)

May 9: Reviews, Commentaries and Opinion Pieces
(SMC Campus Center, Room 210)

Jun 13: Business Writing for Scientists: Email, Resumes, Reports, Etc.
(Location TBD)

MANAGING YOUR RESEARCH PROGRAM: Monthly Seminar Series **(New)**

Managing Your Research Program: Monthly Seminar Series Tuesdays (September 2018 – June 2019) 9:00 – 10:00am

621 W. Lombard Street, SMC Campus Center, Room 351

The purpose of this new 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. This new monthly seminar series consists of ten (10), 1-hour stand-alone sessions, each of which focuses on a subject/skill set that is important to successfully developing and managing a research program/team. Registration is available for the following two sessions. Dates and subjects for the monthly sessions are outlined below and will be described in detail in subsequent newsletters.

Please note: faculty, fellows and postdocs are welcome to attend every session in the series or single sessions of interest.

Please register for each session in the series.

Communicating Effectively, including: 1) tips for giving and receiving feedback; and 2) strategies for holding effective meetings Tuesday, January 15 9:00 – 10:00am

621 W. Lombard Street, SMC Campus Center, Room 351

Good communications skills are essential to conducting research. The leader of a research group needs to motivate the members of the group to carry out the work, as well as to be able to withstand some of the difficulties inherent in a research environment. To do this effectively, the research leader, or Principal Investigator, needs to inspire trust and commitment. This session provides practical advice on communicating with your research group, including addressing some of the most difficult communications scenarios, such as giving negative feedback constructively. The session concludes with general tips for effective communications skills.

Note: Contingent upon participant interest, a follow up interactive session will be scheduled, in which participants can practice communicating in a range of common scenarios.

Speaker:

Wendy Sanders, MA
Associate Dean
Office of Research Career Development, UMSOM

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

Staffing Your Lab Tuesday, February 19 9:00 – 10:00am

621 W. Lombard Street, SMC Campus Center, Room 351

Staffing your lab with the right people is one of the most important things you can do to manage a successful research program. This session focuses on making the best hiring decisions, beginning with tips on how to attract postdocs and techs to your lab, which can be challenging if you are an early stage investigator. This session will provide advice on how to interview and evaluate applicants. The session will conclude with advice for handling staffing situations that aren't working, including how to handle terminating an employee's contract, which is always difficult – and hopefully can be avoided by identifying and recruiting the best employees at the outset."

Speaker:

Eric Sundberg, PhD
Professor
Departments of Medicine and Microbiology & Immunology,
UMSOM

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

SAVE THE DATE!

MANAGING YOUR RESEARCH PROGRAM: Monthly Seminar Series

Please mark your calendar for the following scheduled sessions on **Tuesdays, 9-10am** at the **SMC Campus Center, Room 351**. Subjects are identified below and registration information will be announced in future newsletters.

- Mar 19:** Financing Research: 1) Developing a Budget for Your Research Program and 2) Diversifying Your Sources of Funding
- Apr 16:** Negotiating Skills
- May 21:** Setting Up Collaborations, Networking, Getting the Most from Meetings & Conferences
- Jun 18:** Planning for Promotion

Clinical and Translational Research Training

Applications for **Master of Science in Epidemiology and Clinical Research – Clinical Research Track** and the **Certificate Program in Clinical Research** are now being accepted by the Graduate School.

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

APPLICATIONS DUE: February 15, 2019

For more information, visit:

<http://www.medschool.umaryland.edu/k30/Master-of-Science-in-Epidemiology-and-Clinical-Research--Clinical-Research-Track/>
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

**APPLICATIONS DUE: March 1, 2019**

For more information, visit:

<http://www.medschool.umaryland.edu/k30/Certificate-Program-in-Clinical-Research/>  
In particular, read the "Frequently asked questions" for each.

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For an individual consultation on whether this is appropriate for you, please contact:

Kristen Stafford, MPH, PhD
kstafford@ihv.umaryland.edu

Dan Morgan MD, MS
dmorgan@som.umaryland.edu

Mary-Claire Roghmann, MD, MS
Mrughmann@som.umaryland.edu

NIH Grant Application Changes: Effective January 2019

The NIH recently announced modifications to the required presentation of Rigor & Reproducibility in grant applications, effective for all NIH grant applications beginning in January 2019. The website describing these changes is below, followed by a brief description of the changes.

<https://grants.nih.gov/policy/reproducibility/index.htm>

1. The rigor of the prior research

A careful assessment of the **rigor of the prior research** that serves as the key support for a proposed project helps to identify weakness or gaps in a line of research. NIH expects applicants to describe the general strengths and weaknesses in the rigor of the prior research (both published and unpublished) that serves as the key support for the proposed project. It is expected that this consideration includes attention to the rigor of the previous experimental designs, as well as the incorporation of relevant biological variables and authentication of key resources. Applicants are expected to include plans to address any weaknesses or gaps identified.

2. Rigorous experimental design for robust and unbiased results

Scientific rigor is the strict application of the scientific method to ensure robust and unbiased experimental design, methodology, analysis, interpretation and reporting of results. NIH expects full transparency in proposing and reporting experimental details so that reviewers may assess the proposed research and others may reproduce and extend the findings.

Individual Consultations (RCD)

GRANT APPLICATION/SUMMARY STATEMENT CONSULTATIONS

Wendy Sanders, MA, Associate Dean for Research Career Development, is available to meet with junior faculty regarding how to plan and develop NIH grant applications. In addition, Ms. Sanders is available to discuss eligibility for various NIH applications. Finally, Ms. Sanders is also available to discuss strategies for addressing summary statements/ revising a research grant application. **Email:** wsanders@som.umaryland.edu

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### FUNDING SOURCE CONSULTATIONS

**Stacie Mendoza**, Program Director for Research Career Development, assists junior faculty and postdocs with identifying sources of funding for their research including how to navigate the NIH funding database. To schedule a funding consultation, complete a **Funding Search Request Form** online at <http://www.medschool.umaryland.edu/career/Grant-Funding-Consultation-Service/> **Email:** [smendoza@som.umaryland.edu](mailto:smendoza@som.umaryland.edu)

## Funding Opportunities ~ Upcoming Deadlines

### ANESTHESIA PATIENT SAFETY FOUNDATION Investigator Initiated Research (IIR) Grants

This program's objective is to stimulate and fund studies that will clearly improve patient safety and lead to prevention of mortality and morbidity resulting from anesthesia mishaps. Potential areas of research include a wide variety of safety patient topics.

LOI DUE: February 1, 2019

WEBSITE: <https://www.apsf.org/grants-and-awards/investigator-initiated-research-iir-grants/>

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### LEUKEMIA RESEARCH FOUNDATION Hollis Brownstein Research Grants Program

The Leukemia Research Foundation exclusively funds New Investigators - individuals beginning to establish their own laboratories that are no longer under the tutelage of a senior scientist mentor.

LOI DUE: February 1, 2019

FULL PROPOSALS DUE: March 18, 2019

WEBSITE: <https://www.allbloodcancers.org/hollis-brownstein-research-grants>

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### NATIONAL MULTIPLE SCLEROSIS SOCIETY Research Grants

NMSS welcomes applications for studies related to multiple sclerosis that may serve to advance their mission of stopping MS progression, restoring function and improving quality of life, and preventing MS. The Society supports fundamental as well as applied studies, non-clinical or clinical in nature, including projects in patient management, care and rehabilitation.

PRE-APPLICATIONS DUE: February 6, 2019

FULL PROPOSAL DUE: February 13, 2019

WEBSITE: <https://www.nationalmssociety.org/For-Professionals/Researchers/Society-Funding/Research-Grants>

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### THE ESTHER A. & JOSEPH KLINGENSTEIN FUND Klingenstein-Simons Fellowship Awards in Neuroscience

The Klingenstein-Simons Fellowship Awards in the Neurosciences supports, in the early stages of their careers, young investigators engaged in basic or clinical research that may lead to a better understanding of neurological and psychiatric disorders.

DEADLINE: February 15, 2019

WEBSITE: <http://www.klingfund.org/>

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### EMERGENCY MEDICAL FOUNDATION

- Mid-Career Development
- Early Career Development
- Pilot Study
- VA Fellow to Faculty
- Resident to Faculty Research Development
- EMF/SAEM Medical Student
- EMF/Medical Toxicology Foundation
- EMF/EMRA Resident Research
- EMF/EMRA/AFFIRM Firearm Injury Prevention Resident Research
- EMF/AFFIRM Firearm Injury Prevention Research
- EMF/CORD Education Research
- EMF/CORD Education Research Starter

DEADLINE: February 28, 2019

WEBSITE: <https://www.emfoundation.org/grants/apply-for-a-grant/>

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### ORGANIZATION FOR AUTISM RESEARCH Research Grants

Funds innovative research that directly supports the autism community.

DEADLINE: March 25, 2019 (Pre-proposals)

WEBSITE: <https://researchautism.org/research-grants/apply-for-a-grant/applied-research/>

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### GERBER FOUNDATION Pediatric Research Projects

Grants will be awarded to concept papers describing health and/or nutrition-related research projects with the potential to have a significant impact on issues affecting infants and young children.

DEADLINE: May 15, 2019 (Concept Papers)

WEBSITE: <http://www.gerberfoundation.org/focus-areas/>

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### ROBERT WOOD JOHNSON FOUNDATION Evidence for Action: Investigator-Initiated Research to Build a Culture of Health

RWJF funds research that expands the evidence base needed to build a Culture of Health. Their mission is to support rigorously designed quantitative, qualitative, and mixed methods research that yields convincing findings regarding the population health, well-being, and equity impacts of specific policies, programs and partnerships.

DEADLINE: Applications are accepted on a rolling basis.

WEBSITE: <https://www.rwjf.org/en/library/funding-opportunities/2015/evidence-for-action-investigator-initiated-research-to-build-a-culture-of-health.html>

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### UMB Internal Grant Announcements

<http://www.umaryland.edu/ictr/funding/umb-internal-funding-highlights/>

### UMGCCC Funding Database (Cancer related research)

<https://umgcccfundingopps.org/>

To receive weekly UMGCCC funding announcements, contact: Sarah Laye at [SLaye@som.umaryland.edu](mailto:SLaye@som.umaryland.edu)

### 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](mailto:sbradley@som.umaryland.edu)

410-706-0107

**PLEASE NOTE:** We strongly encourage faculty to discuss their research application plans with their supervisor/Chairman. For some applications, such as career development awards or foundation applications, approval of the Chairperson is required to apply.

# CENTER FOR INNOVATIVE BIOMEDICAL RESOURCES (CIBR)

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

The **Center for Innovative Biomedical Resources (CIBR)** is the administrative umbrella for the wide portfolio of core facilities UMSOM investigators have available to support their research. In addition to the cutting-edge services, instrumentation and expertise CIBR cores provide, CIBR also hosts seminars, workshops, symposia and an annual retreat.

## CIBR News Update

**Any Core facility director, manager, staff or administrator may apply for a travel award to help defer the cost of attending the 2019 ABRF meeting.**

**This year's Association of Biomolecular Resource Facilities (ABRF) meeting will be in San Antonio March 23-26, 2019. Learn more about the meeting here: <https://conf.abrf.org>**

- Two award recipients will be selected by a committee.
- Each awardee will receive up to \$2,000 towards reimbursing the cost of attending the conference.
- CIBR Administration will reimburse the awardee's department via a transfer of funds (journal entry) for any allowable cost (Event registration, flight, lodging, etc.) related to attending this conference so long as back-up documentation is provided (as required by State and University policy).

**Apply for a CIBR Travel Award here: <https://www.surveymonkey.com/r/HV8H5RT>**

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