

RESEARCH CAREER DEVELOPMENT NEWSLETTER

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

September 2019

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, please visit: <http://medschool.umaryland.edu/career/>.

UPCOMING EVENTS

Maryland Stem Cell Research Fund (MSCRF) Funding Information Session/Breakfast

Wednesday, September 18 • 9:00 – 11:00am
621 W. Lombard Street, SMC Campus Center, Room 351

This session will provide an overview of the grant programs offered by the Maryland Stem Cell Research Fund (MSCRF) for human stem cell research in the State of Maryland. Participants will also hear from a panel of three 2019 MSCRF Discovery Grant Awardees who will share their personal experience/advice on submitting an MSCRF grant. **Target Audience:** Faculty and Postdocs

Speakers:

Curt Civin, MD, Associate Dean for Research, UMSOM and Director of the Center for Stem Cell Biology & Regenerative Medicine;
Dan Gincel, PhD, VP University Partnerships, TEDCO and Executive Director of MSCRF; **Tami Kingsbury, PhD**, Assistant Professor, Department of Physiology

Panelists:

Ola Awad, PhD, Research Associate, Department of Microbiology and Immunology; **Charles Hong, MD, PhD**, Director of Cardiovascular Research, Melvin Sharoky Professor of Medicine; **Marta Lipinski, PhD**, Associate Professor, Department of Anesthesiology; **Peixin Yang, PhD**, Professor, Department of Obstetrics, Gynecology and Reproductive Sciences and Deputy Director of Graduate & Postdoctoral Studies

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

Mentee's Workshop: Getting the Most from Your Mentor(s)

Tuesday, September 24 • 9:00 – 10:30am
685 W. Baltimore Street, MSTF Building, Room 316

The role of a mentor(s) is one of the most important factors in developing a successful research career. Often, faculty are unsure about how to identify – and develop an effective relationship – with a mentor or team of mentors. The first hour of this session consists of practical tips for establishing and maintaining productive relationships with your mentor(s). Subjects include the following: the role of a mentor; approaching a potential mentor; and preparing for a successful first meeting, as well as ensuring that subsequent meetings are of maximum value. The last half hour of this session will be devoted to common dilemmas in mentoring relationships, including how to work together to problem solve. Participants will have the opportunity to ask questions anonymously via a survey link that will be emailed to them prior to this session. This session will be small, with a maximum of 12 participants, to allow for discussion.

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

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

Overview of NIH Career Development (K) Awards Wednesday, October 2 • 9:00 – 11:30am

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

This workshop is intended for new/junior faculty who are considering applying for an NIH career development (K) award and will help determine if it is an appropriate mechanism for their research and further training. This workshop is intended as an introduction to NIH K awards (K01, K08, K23) and covers subjects such as the types of available K awards; eligibility requirements; the role of a K in your research career; and central components of a K award, as well as identifies the NIH review criteria. This workshop is an introduction to the NIH K awards and does not focus on how to write an NIH K award (a small interactive course on writing a K award will be available in the spring of 2020).

Speaker: **Marey Shriver, PhD**, Director, Office of Research Career Development, UMSOM

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

Writing an R03 or R21 Small Grant Writing Class

October 15 – November 18th • Tuesdays (time TBD)
685 W. Baltimore Street, MSTF Building, Room 316

This small, interactive class will support faculty who are actively writing an R03 or R21, with the goal of submitting their grant application in February 2020. The class combines didactic lectures focusing on the unique components of these two year NIH research awards with class-based discussions focusing on participants' drafts. Participants will be expected to engage in class discussions of their colleagues' grants as well as sharing drafts of their grants for discussion.

Requirements for participation: In concert with NIH requirements, participants working on an R21 must hold the rank of Assistant Professor or higher; participants working on an R03 may be Instructors or Research Associates. All participants must be actively drafting an R03 or R21 grant application and must commit to attending 5 of the 6 sessions. This class is limited to 8 participants. **If you are interested in participating, please email the Instructor, Marey Shriver, PhD, Director, Office of Research Career Development at: mshriver@som.umaryland.edu.**

Grant Writing Workshop for New Investigators: An Introduction & Overview

Wednesday, November 20 • 8:30 – 12:15pm
621 W. Lombard Street, SMC Campus Center, Room 351

This workshop is targeted to new/junior faculty members who have not yet applied to the NIH or who are not familiar with the new requirements focusing on rigor and reproducibility. This half day, examples-driven workshop is designed to help faculty understand how to plan, organize and write a competitive grant application, with a focus on the R01. The workshop is designed to help investigators understand how to write the components of an NIH grant application (Specific Aims; Significance; Innovation; Approach). In addition, participants will learn how to write their grants to address the new NIH review criteria, as well as learn about the NIH System of Peer Review. **NOTE: A light breakfast will be provided.**

Speakers: **Marey Shriver, PhD**, Director, Office of Research Career Development, UMSOM and **Stuart Martin, PhD**, Professor, Department of Physiology, UMSOM, Marlene and Stewart Greenebaum Comprehensive Cancer Center

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

MANAGING YOUR RESEARCH PROGRAM

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. This 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 first 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.

Developing Your Leadership Skills

Tuesday, September 10

9:00 – 10:00am

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

The transition to leading a research team can be a difficult one for junior faculty/senior postdocs. This session addresses the role of a research program/team leader. Subjects include strategies for identifying and developing effective leadership skills as well as tips for building and maintaining an effective team.

Speaker:

Gary Fiskum, PhD, M. Jane Matjasko Professor for Research in Anesthesiology, Vice-Chair for Research; Professor of Biochemistry and Molecular Biology and of Pharmacology, UMSOM

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

Communicating Effectively as a Research or Lab Leader

Tuesday, October 15

9:00 – 10:00am

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

Good communications skills are essential for leaders of research projects. 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 effectively with your research group, including strategies for holding effective meetings as well as one on one interactions. A focus of this session is how to carry out difficult communications scenarios, including 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>

SAVE THE DATE!

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

Please note: Topics are subject to change.

Nov 12 Time Management; including When to Say "Yes" and How and When to Say "No"

Dec 10 TBD

Jan 14 Project Management

Feb 11 Staffing Issues: Making the Best Hiring Decisions, including Interviewing and Evaluating Applicants; Terminating Employees

Mar 17 Financing Research: 1) Developing a Budget for Your Research Program and 2) Diversifying Your Sources of Funding

Apr 14 Managing Conflict

May 12 Setting Up Collaborations, Networking, Getting the Most from Meetings & Conferences

Jun 9 Negotiation Skills

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. 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 first 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.

Tips for Increasing Your Scientific Writing Productivity

Thursday, September 19
9:00 – 10:00am

660 W. Redwood Street, Howard Hall, Room 450

Writing is a fundamental part of a scientist's "job", but strategies for writing efficiently are rarely taught. As a result, scientists often struggle with writing, especially with the practical steps of the writing process, such as how to get started. This session begins with tips for increasing writing productivity, with a focus on making writing part of your workday. These tips are designed to make writing easier and to help participants write more quickly and efficiently.

One of the most successful strategies for increasing writing productivity is to join a writing accountability group. Participants will learn about different writing accountability group opportunities available to UMB faculty, fellows and postdocs.

Speakers:

Marey Shriver, PhD, Director, Office of Research Career Development, UMSOM

Stacie Mendoza, Program Director, Office of Research Career Development, UMSOM

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

Planning Your Publication

Thursday, October 24
9:00 – 10:00am

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

This session will focus on the publication planning process and provide tips for getting published in an academic journal.

Topics include:

- Defining your research question
- Choosing an appropriate journal
- Strategies for effective organization and writing

Speaker:

Marey Shriver, PhD, Director, Office of Research Career Development, UMSOM

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

SAVE THE DATE!

Please mark your calendar for the following scheduled "Scientific Writing" seminars on **Thursdays, 9-10am** in **SMC Campus Center, Room 351**. Subjects are identified below and registration information will be announced in future newsletters. **Please note:** Topics are subject to change.

Nov 14 Ethical Considerations in Scientific Writing focus on Authorship

Dec 12 Tips for Writing a Standard Scientific Research Paper: (Introduction, Methods, Results and Discussion; Abstract)

Jan 23 Developing Tables, Figures and Graphs for Your Research Paper

Feb 20 Writing effective titles and abstracts

Mar 19 Tips for Scientific Writing, with a focus on clarity/editing

April 23 Tips for Writing Case Reports, Commentaries and Review Articles

May 21 Writing and Conducting a Systematic Review

Jun 18 Responding to Reviewers

RCDP's Mini Library

Check it out!

The RCDP'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.

The following books are now available in the RCDP's office (**MSTF Building, Room 319**) and can be signed out for up to 3 weeks. Click on any book title below for more information.

[Ask for It: How Women Can Use the Power of Negotiation to Get What They Really Want](#)

Authors: Linda Babcock and Sara LaSchever

[Drop the Ball: Achieving More by Doing Less](#)

Author: Tiffany Dufu

[How to Work a Room: The Ultimate Guide to Making Lasting Connections--In Person and Online](#)

Author: Susan Roane

[Getting to Yes: Negotiating Agreement Without Giving In](#)

Authors: Roger Fisher, William L. Ury and Bruce Patton

[Not Discussed: The Unspoken Rules for A Career in Academic Medical Research](#)

Author: C. Michael Stein

[The Power of a Positive No: Save the Deal, Save the Relationship – And Still Say No](#)

Author: William L. Ury

[Thanks for the Feedback: The Science and Art of Receiving Feedback Well](#)

Authors: Douglas Stone and Sheila Heen

[WAG Your Work: Writing Accountability Groups](#)

Bootcamp for Increasing Scholarly Productivity
Author: Kimberly A. Skarupski

[Why So Slow? The Advancement of Women](#)

Author: Virginia Vallian

The following books are available in print in the RCDP's office and can be downloaded online:

[Training Scientists to Make the Right Moves: A Practical Guide to Developing Programs in Scientific Management](#)

Burroughs Wellcome Fund, Howard Hughes Medical Institute

[Making the Right Moves: A Practical Guide to Scientific Management for Postdocs and New Faculty](#)

Burroughs Wellcome Fund, Howard Hughes Medical Institute

New books will be added continuously.

RCDP welcomes suggestions for appropriate books as well as donations of gently used books.

Individual Consultations (RCD)

MENTORING/SCIENTIFIC LEADERSHIP CONSULTATIONS

Wendy Sanders, MA, *Associate Dean for Research Career Development*, is available to meet with junior faculty regarding how to identify and develop an effective relationship with a mentor or team of mentors. She will also meet with faculty to discuss issues regarding professional/career development and scientific leadership. **Email:** wsanders@som.umaryland.edu

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 development of a complete NIH application. Dr. Shriver offers consultations regarding developing a clear research question and testable hypothesis, eligibility regarding grant applications, and planning for upcoming grant proposal. In addition, 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 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

Need to Increase Your Scientific Writing Productivity?

Join A SWAG!

Scientific Writing Accountability Group for Junior Faculty

SWAG is designed as a peer accountability/support program to increase scientific writing productivity for junior faculty. Groups meet for 1-hour a week for 10 consecutive weeks. These meetings consist of individual timed writing and discussion of/sharing weekly goals and updates. Space is limited to 4-8 participants in each group. Evidence supports that SWAG members significantly improve their writing productivity/quality, goal-setting and time management skills, and networking/community-building. - **New groups are forming!**

To learn more about SWAG or to join a group, contact **Stacie Mendoza** at smendoza@som.umaryland.edu or 6-5434.

SWAG Website:

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

SWAG is sponsored by the Office of Research Career Development

Funding Opportunities ~ Upcoming Deadlines

CENTER FOR GLOBAL EDUCATION INITIATIVES

Faculty Interprofessional Global Health Grants

The Center for Global Education Initiatives (CGEI) provides grant funding to faculty who develop an international project that includes at least two students from more than one school. These projects typically take place with established overseas partners and involve research, capacity building, surveying, training programs, or key stakeholder interviews.

DEADLINE FOR SUMMER 2020: October 1, 2019

WEBSITE: <https://www.umaryland.edu/global/for-umb-faculty/faculty-grants/>

WHITEHALL FOUNDATION

Research Grant

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

LOI DEADLINE: October 1, 2019

APPLICATION DEADLINE: February 15, 2020

WEBSITE: <http://www.whitehall.org/applying/>

BURROUGHS WELLCOME FUND

Career Awards for Medical Scientists

The Career Award for Medical Scientists grant provides support for physician-scientists, who are committed to an academic career, to bridge advanced postdoctoral/fellowship training and the early years of faculty service. Proposals must be in the area of basic biomedical, disease-oriented, or translational research.

APPLICATION DEADLINE: October 1, 2019

IN-PERSON INTERVIEWS: March 25-26, 2020

WEBSITE: <http://www.bwfund.org/grant-programs/biomedical-sciences/career-awards-medical-scientists>

AMERICAN HEART ASSOCIATION

Innovative Project Award

The Innovative Project Award support highly innovative, high-impact research that could ultimately lead to critical discoveries or major advancements that will accelerate the field of cardiovascular and/or cerebrovascular research. The scientific focus is all basic, clinical, translational and population research broadly related to cardiovascular function and disease and stroke, or to related clinical, basic science, bioengineering or biotechnology, and public health problems.

LOI DEADLINE: October 22, 2019

APPLICATION DEADLINE: February 28, 2020

WEBSITE:

https://professional.heart.org/professional/ResearchPrograms/UCM_497202_Innovative-Project-Award.jsp

For more American Heart Association opportunities, please contact Sarah Bradley, Director of Foundation Relations, School of Medicine, at 410-706-0107 or SBradley@som.umaryland.edu.

THE MCKNIGHT ENDOWMENT FUND FOR NEUROSCIENCE

2020 McKnight Scholar Awards

The McKnight Endowment Fund for Neuroscience supports innovative research designed to bring science closer to the day when diseases of the brain can be accurately diagnosed, prevented, and treated. The McKnight Scholar awards are highly prestigious grants that support junior faculty currently at the rank of Assistant Professor for less than 4 years

DEADLINE: January 1, 2020

WEBSITE: <https://www.mcknight.org/programs/the-mcknight-endowment-fund-for-neuroscience/scholar-awards/how-to-apply/>

MORE FUNDING OPPORTUNITIES CAN BE FOUND AT:

UMB Internal Grant Announcements

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

UMGCC Funding Database (Cancer related research)

<https://umgccfundingopps.org/>

To receive weekly UMGCCC funding announcements, contact:

Sarah Laye at SLaye@som.umaryland.edu

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.

Posted deadlines are subject to change. Contact the funder's program officer before applying to ensure you have the most recent announcement information.

Maryland Small Business Development Centers

SBIR Road Tour: Seeding America's Future Innovations

Friday, September 20

8:00 – 3:00pm

Riggs Alumni Center, University of Maryland
7801 Alumni Dr, College Park, MD 20742

America's Seed Fund (the Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs) annually provides approximately over \$3 billion in non-dilutive early-stage technology funding. The SBIR Road Tour is an opportunity for tech innovators, entrepreneurs, and researchers to learn how to access this funding, meet one-on-one with decision makers, and connect with local state innovation ecosystem members. This one-day event will provide attendees, including women and minority entrepreneurs, the opportunity to engage with representatives from various SBIR/STTR agencies.

If you're an innovator, entrepreneur, researcher, or small technology firm, don't miss this opportunity.

Reserve Your One-on-One Meeting with SBIR/STTR Program Managers various agencies! Participating agencies will be announced shortly.

To view the agenda and register, visit:

<https://www.umventures.org/events/sbir-road-tour-seeding-americas-future-innovations>

SAVE THE DATE!

The Department of Bioengineering at UMCP and the Department of Surgery at UMSOM are co-sponsoring a symposium on: **"Engineering solutions to biomedical problems: Understanding clinical needs and bioengineering innovations"** on **Thursday, October 10** at the Discovery Auditorium, BioPark II, 800 Baltimore Street, from 10AM-3PM.

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 Lunch and Learn Series

“Save the Dates” for 2019-2020 CIBR Lunch & Learn Series:

September 12, 2019	February 13, 2020
October 10, 2019	March 12, 2020
November 14, 2019	April 9, 2020
December 12, 2019	May 14, 2020
January 9, 2020	

All sessions will be held in the MSTF Atrium.

Participating cores/presentations will be announced at a later date.

**CIBR Lunch & Learns are organized by the Center for Innovative Biomedical Resources (CIBR)
University of Maryland School of Medicine**

Center for Innovative Biomedical Resources

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