

RESEARCH CAREER DEVELOPMENT NEWSLETTER

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

October 2018

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 workshop calendar, workshop descriptions, funding sources, grant deadlines etc., please visit: <http://medschool.umaryland.edu/career/>.

UPCOMING EVENTS

Information Sessions for New Faculty re: Research Career Development Program

The Research Career Development Program (RCDP) is providing small group information sessions for new faculty as an introduction to our program and available services. All new faculty, as well as faculty who aren't new to SOM, but are interested in learning more about our training and services, are invited to participate in one of the small group information sessions listed below.

The purpose of these sessions is to introduce ourselves and discuss how we can help support your research and professional development. In addition, we will address any questions you may have about research or professional development, including resources available to you. We are happy to help you with issues such as identifying an appropriate mentor(s), identifying any research resources you may need, joining a writing accountability group (to increase your writing productivity), grant writing classes and classes in scientific leadership, etc.

Small group sessions are scheduled on the following days/times and located at **685 W. Baltimore Street, MSTF Building, Room 3-19**

Thursday	Oct 18	1-2pm
Tuesday	Oct 30	9-10am

Please email Stacie Mendoza at: smendoza@som.umaryland.edu with your preferred session. **Please note:** If none of the small group meeting times work for your schedule, please contact Stacie to set up an individual meeting and suggest a few days/times that work for your schedule.

Patient Centered Outcomes Research (PCOR) Funding Information Session

Tuesday, October 23
9:00 – 10:30am

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

This information session will provide an overview of the Patient-Centered Outcomes Research Institute (PCORI) funding opportunities, including tips and personal experiences from investigators who have successfully competed for these grants. In addition, there will be a discussion of opportunities available to UMB investigators via the infrastructure grants as well as other opportunities available in PCOR, followed by an open Q & A.

Speakers:

C. Daniel Mullins, PhD
Professor and Chair, PHSR Department, UMSOP

Michelle Medeiros
Director of Research, PATIENTS Program

Joey Mattingly, PharmD, MBA
Assistant Professor, Department of Pharmacy Practice and Science (PPS), UMSOP and Director of Operations, PATIENTS Program

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

Identifying Funding Sources for Postdocs

Tuesday, November 6

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, November 7

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>

How to Write an NIH Grant Application: An Introduction & Overview

Wednesday, November 14

8:30 – 12:15pm

621 W. Lombard Street, SMC Campus Center, Room 210

This half day workshop is designed as an introduction to grant writing for investigators with little or no experience writing an NIH or other peer-reviewed grant application. The workshop material is based on the NIH grant application, as it is the basis for the majority of peer-reviewed grant applications; however, most of the information covered is relevant to the majority of other grant funding agencies. This workshop will cover the following subjects: how to determine the most appropriate funding mechanism; developing a fundable research question; how to write the research plan for an NIH grant application, including the new requirements re: Rigor & Reproducibility; and the NIH System of Peer Review. **NOTE:** A light breakfast will be provided.

Speakers:

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

Stuart S. Martin, PhD
Professor, Department of Physiology, UMSOM
Marlene and Stewart Greenebaum NCI Comprehensive Cancer Center

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

660 W. Redwood Street, Howard Hall, Room 450

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.

Oct 11: Writing and Conducting a Systematic Review

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>

Nov 8: Planning Your Publication

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
- Determining authorship

Speaker:

Marey Shriver, PhD
Research Administrator
Office of Research Affairs, 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** in **Howard Hall 450**. Subjects are identified below and registration information will be announced in future newsletters.

Dec 13: Tips for Writing a Standard Scientific Research Paper: (Introduction, Methods, Results and Discussion; Abstract)

Jan 10: Developing Tables, Figures and Graphs for Your Research Paper

Feb 14: Overview of Peer Review Process

Mar 14: Responding to Reviewers

Apr 11: Tips for Scientific Writing, with a focus on clarity

May 9: Reviews, Commentaries and Opinion Pieces

Jun 13: Business Writing for Scientists: Email, Resumes, Reports, Etc.

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.

Oct 16: Time Management; including When To Say “Yes” and How and When to Say “No”

This session addresses some of the most difficult scenarios facing new faculty: when to say “yes” to requests for service, teaching, collaborating, etc., and when – and how- to say “no” to requests, especially when these requests are made by senior faculty/your chairman. Early stage faculty face many demands on their time, and need to be strategic in identifying requests that are appropriate and which they can fulfill, as well as those which are beyond their field of expertise or may be too time consuming at an early stage in their career. This session provides criteria for identifying requests that may further a junior faculty member’s career – as well as those which may not be in the faculty member’s interest at an early stage of their career development. This session includes tips for declining requests professionally, and in a way that leaves the door open to opportunities subsequently. This session concludes with tips for managing your time strategically.

Speaker:

Maureen Black, PhD

John A. Scholl, MD and Mary Louise Scholl, MD Professor,
Department of Pediatrics, UMSOM

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

Nov 27: Project Management

This session will identify some of the techniques used for managing a research project and your role as a research program/team leader. Subjects include:

- Strategies for planning, initiating, executing and finishing a project
- Resolving conflicts
- Monitoring and controlling a project
- Management and leadership styles

Speaker:

Mary-Claire Roghmann, MD, MS

Professor of Epidemiology and Public Health
Associate Dean for Physician Scientist Training and
Trans-disciplinary Research Advancement, 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.

Dec 18: Getting the Mentoring You Need – and Learning How To Mentor

Jan 15: Communicating Effectively, including tips for holding small group meetings, conversations with your research group, communication styles

Feb 19: Staffing Issues: Making the Best Hiring Decisions, including Interviewing and Evaluating Applicants; Terminating Employees

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

HEALTH SCIENCES AND HUMAN SERVICES LIBRARY

Scholarly Publishing Workshop Series

This October, the Health Sciences and Human Services Library will be hosting a Scholarly Publishing Workshop Series. These 30-minute workshops introduce topics related to scholarly publishing and research impact.

Choosing the Right Journal for Your Research

Tuesday October 23, 12-12:30pm

Do you struggle with finding a journal that's the perfect fit for your research? We can help! In this 30-minute workshop we will discuss a few tools and strategies you can use to identify the journal that best matches your work. Feel free to come with a current manuscript or just to learn approaches for the future.

Open Access and Predatory Publishing

Tuesday October 23, 12:30-1pm

Are you confused about different models of Open Access publishing? Are you wondering if Open Access journals are trustworthy? Are you trying to locate a legitimate Open Access journal to submit your manuscript? In this workshop we will talk about what Open Access is, why you should consider publishing in an Open Access journal, how to evaluate a reputable publisher, and how to differentiate predatory journals and publishers.

Author IDs

Wednesday October 24, 12-12:30pm

This 30 minute workshop will cover three different author IDs - ORCID, Google Scholar, and Scopus. We will discuss the differences between them, and why they can help boost your research impact. The workshop will be followed by a 30 minute open session to give you time to try the tools introduced in the Author IDs workshop and allow you to ask individual questions about your author IDs.

Enhancing Your Research Impact

Thursday October 25, 12-12:30pm

This 30-minute workshop will walk you through methods for enhancing the impact of your research. Topics will include establishing your scholarly identity, making strategic publishing decisions, and enhancing the discoverability of your work. The workshop will be followed by a 30-minute open session to test these strategies and ask questions about your individual research impact.

Register online at:

<http://www2.hshsl.umaryland.edu/hshsl/workshops/register.cfm>

Registration is encouraged but not required. Please contact **Andrea Shipper** at ashipper@hshsl.umaryland.edu with any questions.

Need to Increase Your Scientific Writing Productivity?

Join A SWAG!

Scientific Writing Accountability Group

SWAG is designed as a peer accountability/support program to increase scientific writing productivity for UMB 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 join a group, complete a form online at:

<https://umbforms.wufoo.com/forms/request-to-join-swag/>
or contact **Stacie Mendoza** at smendoza@som.umaryland.edu

SWAG Website:

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

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. To schedule an appointment with Ms. Sanders, email: wsanders@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/> Ms. Mendoza can be contacted via email at: smendoza@som.umaryland.edu

Funding Opportunities ~ Upcoming Deadlines

2019 BLAVATNIK NATIONAL AWARDS FOR YOUNG SCIENTISTS

The Blavatnik National Awards for Young Scientists recognize the country's most innovative and promising faculty-rank researchers. Our institution is eligible to nominate one young faculty member for each category: Chemistry, Physical Sciences & Engineering, and Life Sciences to submit an application on November 14, 2018.

Eligible applicants must have been born in or after 1977 (age limit exceptions will be considered in exceptional circumstances), hold a doctorate degree (PhD, DPhil, MD, DDS, DVM, etc), currently hold a faculty position, and currently be conducting research as a principal investigator in one of the categories: Chemistry, Physical Sciences & Engineering, and Life Sciences. All guidelines and details can be found at <http://blavatnikawards.org/awards/national-awards/nomination-guidelines/>.

Any interested individuals must indicate which category they are applying for: Chemistry, Physical Sciences & Engineering, or Life Sciences and submit a 1 page research summary highlighting your research accomplishments and an NIH biosketch including a personal statement which addresses the 4 evaluation criteria designated by the Blavatnik Award (quality, impact, novelty, promise), to **Marey Shriver, PhD**, (mshriver@som.umaryland.edu) by **October 8, 2018** at 5pm.

DEPARTMENT OF DEFENSE (DoD) FY18 Lupus Research Program (LRP) -Impact Award -Concept Award

LOI Due: October 10, 2018

Full Proposal Due: November 7, 2018

WEBSITE: <http://cdmnp.army.mil/funding/reftable#90>

DEPARTMENT OF DEFENSE (DoD) FY18 Breast Cancer Research Program -Breakthrough Award Levels 1 and 2

ELIGIBILITY: Investigators at all academic levels (or equivalent) are eligible to be named as a PI, Initiating PI, or Partnering PI on an application.

LOI DUE: November 1, 2018

DEADLINE: November 15, 2018

WEBSITE: <http://cdmnp.army.mil/funding/pa/FY18-BCRP-BTAL12-2.pdf>

PARKINSON'S DISEASE FOUNDATION Stanley Fahn Junior Faculty Award

The Parkinson's Disease Foundation seeks clinical, pre-clinical or basic research proposals that will directly impact the understanding of Parkinson's disease or its treatment from promising early career investigators.

LOI DEADLINE: November 19, 2018

APPLICATION DEADLINE: February 19, 2019

WEBSITE: <http://parkinson.org/research/Grant-Opportunities/Fahn-Awards>

Rita Allen Foundation and the American Pain Society 2019 Award in Pain

Proposed research projects should be directed towards the molecular biology of pain and/or basic science topics related to the development of new analgesics for the management of pain due to terminal illness.

DEADLINE: December 17, 2018

WEBSITE: <http://americanpainsociety.org/uploads/funding-opportunities/2019%20RAF%20Guidelines%20.pdf>

AMERICAN ORTHOPAEDIC SOCIETY FOR SPORTS MEDICINE

Osteoarthritis Basic Science Research Grant

The purpose of these grants is to foster high-quality research in the areas of early osteoarthritis and prevention of OA progression.

DEADLINE: January 1, 2019

WEBSITE:

<https://www.sportsmed.org/AOSSMIMIS/members/downloads/research/OsteoarthritisGrantGuidelines.pdf>

ROBERT WOOD JOHNSON FOUNDATION (RWJF)

Evidence for Action: Investigator-Initiated Research to Build a Culture of Health

This program aims 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: 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>

More funding opportunities can be found at:

<http://www.medschool.umaryland.edu/career/Upcoming-Funding-Opportunities/>

UMB Internal Grants

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

UMGCC Funding Database (Cancer related research)

<https://umgccfundingopps.org/>

To receive weekly funding announcements, contact:

Sarah Laye at 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

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

Attention SOM Faculty Investigators – Improve your grant application!
Take advantage of the pre-award biostatistics services available to you in the School of Medicine

Support for Pre-Award Biostatistical Services

The School of Medicine understands the important role biostatistics play in the support of the research mission.

Working in partnership with a Biostatistician when developing your grant proposal adds to the likelihood of a successful outcome.

All SOM PI's have access to a limited amount of free, pre-award biostatistical services provided by the SOM's Biostatistics Core and are highly encouraged to take full advantage of this.

Institutional support of Pre-Award Biostatistical services is available from 3 different sources:

1. The University of Maryland Greenebaum Comprehensive Cancer Center (UMGCCC) covers the cost of these services for all official, faculty members of the UMGCCC engaged in a cancer-related project.
2. The University of Maryland Baltimore's Institute for Clinical & Translational Research (ICTR) provides all UMB investigators the ability to apply for up to 25 hours of biostatistical support per project if the project is clinical and/or translational in nature.
3. The University of Maryland School of Medicine's Center for Innovative Biomedical Research (CIBR) will fund pre-award biostatistics work done by the School's Biostatistics Core that cannot be funded by the two mechanisms outlined above for SOM investigators until allocated funds are exhausted.

How to Take Advantage of These Supported Services:

1. UMGCCC investigators engaged in a cancer-related project need do nothing different.
 - The Biostatistics Core, CIBR & UMGCCC have automated this process via the SOM's iLab system for the last several years.
2. Any UMB Investigator can easily apply for pre-award work to be supported by ICTR when the project is clinical and/or translational in nature.
 - To learn more, visit: <http://www.umaryland.edu/ictr/investigator-resources/ictr-biostatistics-core-services/>
 - To apply, visit <http://www.umaryland.edu/ictr/funding/umb-ictr-support-and-funding/ictr-core-service-request/>
3. When pre-award work does not meet the requirements for support by the above two mechanisms the Biostatistics Core will identify the work to be supported by the SOM/CIBR.

The Biostatistics Core is directed by **Soren Bentzen, PhD, DMSc** (sbentzen@som.umaryland.edu) and includes 7 additional full-time, Faculty Biostatisticians

The Core's Business Manager is **Susan Holt** (sholt@som.umaryland.edu – 410-706-8505) and is a good initial point of contact, as well.

Website: <http://www.medschool.umaryland.edu/epidemiology/biostats>

iLab site: https://cibr.umaryland.edu/service_center/3949

Spotlight on CIBR Resources

UMGCCC Flow Cytometry Shared Service

The Flow Core is at Stewart and Marlene Greenebaum Comprehensive Cancer Center (UMGCCC) in UMB's School of Medicine. The mission is to provide state-of-the-art flow cytometry equipment and technical expertise to the entire campus, as well as outside clients. Regular maintenance and daily quality controls are performed by the staff member, so the data generated are reliable and reproducible. Users are encouraged to set up collaboration with us and discuss experiment design, data interpretation, and troubleshooting. The flow core also provides hands on training and monthly lecture training. **The upcoming lecture is on October 1, 10:30 am – 12 Noon, at BRB 7-035.** It will cover basic knowledge, multicolor panel design and new resources. Presented by Director, Xiaoxuan Fan, PhD.

Recently, we installed a new spectral cytometer, Cytek Aurora, one of the first 20 units installed in the country. It uses 38 narrow bandpass filters to record 400-800 nm spectrum of the emission, which makes it possible to distinguish dyes with unique spectrum even if they have very close emission peaks, such as FITC and Alexa532, Pacific Blue and BV421. Thanks to the highly sensitive APD detector, it is able to resolve dim signals and small particles in 110 nm range. Dr. Gregory Szeto and Dr. Xiaoxuan Fan are awarded the CRF shared service pilot grant to design a 20-30 color mouse and human immunostaining panel on this instrument, so other users can refer to this as a back bone panel for their study.

The imaging cytometer, Amnis FlowSight combines flow cytometry and microscopy, able to give morphology and localization information for each cell in addition to the traditional flow data. It has 4 lasers, 10 colors. Users are encouraged to request a test run.

CIBR EVENTS

Translational Technology Symposium Series: Biostatistics and Bioinformatics

Friday, October 5, 8:00 – 1:00pm*

621 W. Lombard Street, SMC Campus Center, Room 208

The Division of Biostatistics and Bioinformatics in the Department of Epidemiology and Public Health will be hosting a half-day symposium in the CIBR Sponsored Translational Technology Symposium Series. Several speakers will cover the range and depth of collaborative research supported by the Division of Biostatistics and Bioinformatics. Use-cases will represent the full spectrum from preclinical research to clinical trials, from molecular biology to population health science. Examples will be presented of successful synergy between data analytical expertise on one hand and advancing the biomedical research on the other. Finally, we will discuss how investigators get access to biostatistical support from our division. For more information, including speakers:

https://calendar.umaryland.edu/events/som-events/Biostat_fliers_Translational-Symposium20180914.png

Note: Breakfast and lunch will be provided.

This event is free; however, registration is required online at: https://translational-symposium_biostatistics.eventbrite.com

Lunch and Learn Series

Plan to attend the October Lunch and Learn featuring **The Jackson Laboratory** on **Thursday, October 11, 12:00PM – 1:00PM** in the **MSTF Atrium, 685 West Baltimore Street.**

“Mouse Model Generation Using CRISPR/Cas9 Technology”

Michael Walden, PhD, Director of Opportunity Development
The Jackson Laboratory

This seminar is free; however registration is required online at: <http://tiny.cc/CIBRLLOCT>

Lunch will be provided

**University of Maryland School of Medicine
Center for Innovative Biomedical Resources**

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