

# RESEARCH CAREER DEVELOPMENT NEWSLETTER

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

November 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 events and services offered by RCD and upcoming 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, including identifying available resources. 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), helping you to determine the most appropriate 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	Nov 15	1-2pm
Tuesday	Dec 4	9-10am

Please email Stacie Mendoza at: [smendoza@som.umaryland.edu](mailto: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.

### 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>

### Funding Success at the National Science Foundation (NSF): Tips for Identifying the Right Funding Opportunity and Applying to the NSF

Thursday, December 6

1:30 – 3:00pm

660 W. Redwood Street, Howard Hall, Room 450

This seminar will focus on grantsmanship and funding opportunities offered by the National Science Foundation (NSF). Major subjects will include: The NSF's mission; Elements of a competitive NSF proposal; Identifying the right NSF funding opportunity; Requirements for specific NSF funding mechanisms; How to apply; and NSF Review Process.

#### Guest Speaker:

**Edda (Floh) Thiels, PhD**

Program Director, Neural Systems Cluster  
National Science Foundation

**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.

**Please register for each session in the series.**

## **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>

## **Dec 13: Tips for Writing a Standard Scientific Research Paper**

This session will provide tips for writing a peer-reviewed scientific research paper and will focus on the content of the sections (Introduction, Methods, Results and Discussion, and Title & Abstract). In addition, this session will include advice about organizing and communicating your research.

### **Speaker:**

**Rose Marie Viscardi, MD**  
Professor  
Department of Pediatrics, 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.

**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.

**Please register for each session in the series.**

### 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>

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

The role of a mentor(s) is one of the most important factors in developing a successful research career. Often, research faculty are unsure about how to identify – and develop an effective relationship – with a mentor or team of mentors. This session consists of practical tips for establishing and maintaining productive relationships with your mentor(s).

Subjects include:

- The role of a mentor
- Approaching a potential mentor
- Preparing for a successful first meeting, as well as subsequent meetings.

This session also includes practical advice for investigators who are new to mentoring or who have mentoring experience but are seeking to improve their skills as a mentor.

**Speaker:**

**Anthony Harris, MD, MPH**

Professor

Department of Epidemiology and Public Health, 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.

**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

## 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.

### 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.

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

**Kristen Stafford, MPH, PhD**  
[kstafford@ihv.umaryland.edu](mailto:kstafford@ihv.umaryland.edu)

**Dan Morgan MD, MS**  
[dmorgan@som.umaryland.edu](mailto:dmorgan@som.umaryland.edu)

**Mary-Claire Roghmann, MD, MS**  
[Mrughmann@som.umaryland.edu](mailto:Mrughmann@som.umaryland.edu)

## 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](mailto: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. **Email:** [wsanders@som.umaryland.edu](mailto: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/> **Email:** [smendoza@som.umaryland.edu](mailto:smendoza@som.umaryland.edu)

## Funding Opportunities ~ Upcoming Deadlines

### DORIS DUKE CHARITABLE FOUNDATION

#### 2019 Clinical Scientist Development Award Competition

The purpose of the Doris Duke Clinical Scientist Development Award (CSDA) is to provide support to physician scientists at the Assistant Professor rank to: 1) conduct an outstanding clinical research project, 2) enable research time protection to ease the tension between research and clinical responsibilities, and 3) facilitate development of strong mentorship relations. The 2019 Clinical Scientist Development Award consists of \$150,000 annual direct costs plus \$15,000 (10%) annual indirect costs for three years.

**PRE-PROPOSAL DUE:** November 28, 2018 at 3pm

**WEBSITE:**

<http://www.ddcf.org/what-we-fund/medical-research/goals-and-strategies/encourage-and-develop-clinical-research-careers/clinical-scientist-development-award/?id=1617>

### UMB INSTITUTE FOR CLINICAL AND TRANSLATIONAL RESEARCH (ICTR)

#### Voucher Awards

The UMB Institute for Clinical and Translational Research (ICTR) awards voucher support to help defray the costs of services offered by CIBR, GCRC, BIORESCO, NORC, and UMMC\* IDS and for some community-engaged research expenses.

**DEADLINE:** December 3, 2018

**WEBSITE:** <http://www.umaryland.edu/ictr/funding/umb-ictr-support-and-funding/voucher-program/>

### DAMON RUNYON CANCER RESEARCH FOUNDATION

#### Physician-Scientist Training Award

The Physician-Scientist Training Award supports and encourages outstanding young physicians to pursue cancer research careers by providing them with the opportunity for a protected research training experience under the mentorship of a highly qualified and gifted mentor.

**APPLICATION DEADLINE:** December 3, 2018

**WEBSITE:**

<https://www.damonrunyon.org/for-scientists/application-guidelines/physician-scientist/forms#forms>

### BURROUGHS WELLCOME FUND

#### Preterm Birth Initiative

The Preterm Birth Initiative aims to increase the understanding of the biological mechanisms underlying parturition and spontaneous preterm birth.

**APPLICATION DEADLINE:** December 4, 2018

**IN-PERSON INTERVIEWS:** April 10, 2019

**WEBSITE:** <https://www.bwfund.org/grant-programs/reproductive-sciences/preterm-birth-initiative>

### PANCREATIC CANCER ACTION NETWORK

#### Catalyst Grant

The Catalyst Grant supports junior faculty to conduct pancreatic cancer research and establish successful careers paths in the field. Proposed research may be basic, translational, clinical or epidemiological in nature and must have direct applicability and relevance to pancreatic cancer.

**APPLICATION DEADLINE:** December 7, 2018

**WEBSITE:** <https://www.pancan.org/research/grants-program/apply-for-a-pancreatic-cancer-research-grant/>

### AMERICAN LUNG ASSOCIATION

#### Innovation Award

The Innovation Award supports promising independent investigators who are leveraging their existing body of work to conduct basic science, behavioral, clinical, or translational research for lung health.

**APPLICATION DEADLINE:** December 13, 2018

**WEBSITE:** <https://www.lung.org/our-initiatives/research/awards-and-grant-funding/>

\*For more American Lung Association opportunities, please contact Sarah Bradley, Director of Foundation Relations, School of Medicine at 410-706-0107 or [SBradley@som.umaryland.edu](mailto:SBradley@som.umaryland.edu).\*

### UMB INSTITUTE FOR CLINICAL AND TRANSLATIONAL RESEARCH (ICTR)

#### 2019 - 2020 Accelerated Translational Incubator Pilot (ATIP) Grant Program

The second round of UMB ICTR Accelerated Translational Incubator Pilot (ATIP) Grant Program provides starter funds for projects specifically focused on innovative, translational research that involves faculty from the schools of medicine, pharmacy, dentistry, nursing, law, and social work or UMB-community partnerships. This request for proposals provides 12 months of funding for two types of ATIP Program opportunities: the ICTR Innovative Collaboration Pilot Grant and the ICTR Community-Engaged Research Grant. Awards up to \$50,000 will be funded with at least one Community-Engaged Research Grant award.

**DEADLINE:** January 7, 2019

**WEBSITE:** <http://www.umaryland.edu/ictr/funding/umb-ictr-support-and-funding/atip-grant-program-foa>

For questions regarding application guidelines, please contact Meriem Gaval Cruz via [ICTR-navigator@umaryland.edu](mailto:ICTR-navigator@umaryland.edu).

#### More funding opportunities can be found at:

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

#### 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 UMGCC 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

**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](mailto:sbentzen@som.umaryland.edu)) and includes 7 additional full-time, Faculty Biostatisticians

The Core's Business Manager is **Susan Holt** ([sholt@som.umaryland.edu](mailto: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](https://cibr.umaryland.edu/service_center/3949)

## Spotlight on CIBR Resources

### UMGCC Pathology Biorepository Shared Service (PBSS)

The Pathology Biorepository Shared Service (PBSS) is a core facility that is critical to support the research efforts at the Stewart and Marlene Greenebaum Comprehensive Cancer Center (UMGCC). The PBSS team provides expertise and service in the collection of high-quality frozen, fresh, and paraffin-embedded tissue specimens for downstream research analyses. Our research histology laboratory performs a range of basic microtomy services to complex immunohistochemistry (IHC) staining, antibody optimization, and Tissue Microarray Construction (TMA). PBSS pathologists provide diagnostic expertise, consultation and interpretation services for both internal and external collaborations. Our timely, service-oriented model is an invaluable component in assisting customers with taking the next steps in research and discovery.

PBSS collaborations have contributed to numerous publications and grant submissions. Our goal is to continue growing with our customer needs and the supported research. Combining clinical practice with research and discovery will create a forum for new and innovative services specifically selected to serve our research community. In addition to capturing such services on our iLabs portal, PBSS will also publish a user-friendly guide outlining all currently optimized antibodies as a reference for all core users by December 2018. We look forward to unveiling new services and collaborations in the New Year.

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

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