

RESEARCH CAREER DEVELOPMENT NEWSLETTER

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

May 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 and upcoming grant deadlines etc., please visit: <http://medschool.umaryland.edu/career/>.

UPCOMING EVENTS

Identifying Funding Sources for Faculty

Wednesday, May 8

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>

Scientific Writing Accountability Group (SWAG) Information Session

Wednesday, May 22

9:00– 10:00am

685 W. Baltimore Street, MSTF Building, Room 316

Scientists often have difficulty finding the time to write, or feel that they delay writing/submitting a paper due to “writer’s block”. If you are interested in increasing your writing productivity, we invite you to attend an information session about our program, the Scientific Writing Accountability Group (SWAG). This program is based on the concept that by joining – and being accountable – to a group of one’s peers, writing productivity increases, including the number of submitted manuscripts.

Speaker: Stacie Mendoza, *Program Director*, Office of Research Career Development, UMSOM

SWAG Website:

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

NOTE: This session is intended for junior faculty only. If you are interested in learning more about the SWAG program but are not able to attend this session, please email **Stacie Mendoza** to schedule an individual appointment at smendoza@som.umaryland.edu.

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

Getting Promoted in an Academic Medical Institution

Tuesday, June 4

9:00 – 10:00am

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

Speaker: Amy Fulton, PhD, Professor of Pathology, Chair, Appointment, Promotion and Tenure Review Committee, UMSOM

Dr. Fulton will present information outlining the SOM Appointments, Promotion and Tenure Policy and Procedures. She will describe the different academic titles, considerations for promotion, criteria for tenure, and specifics of scholarship, clinical activity, teaching and service that are evaluated.

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

Working Effectively with a Biostatistician

Wednesday, June 5

9:00 – 10:00am

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

The role of a statistician in quantitative biomedical research is fundamental. This seminar is intended to help investigators understand this role and establish an effective working relationship with a biostatistician. We will discuss how the statistician can help with the design and conduct of research, from refining the initial concept all the way to the analysis and interpretation of study outcomes.

Get answers to some frequently asked questions: When to enlist the help of a statistician? Which aspects of developing a research proposal/grant/manuscript can a statistician help with? How to find a statistician? And how to pay for his/her services?

Speaker: Soren M. Bentzen, Ph.D., D.M.Sc., Professor, Director of the Division of Biostatistics and Bioinformatics, Director of the UM Greenebaum Cancer Center; Biostatistics Shared Service, Departments of Epidemiology and Public Health and Radiation Oncology, UMSOM

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

Foundation Funding for Research Scientists: Building the Partnership between Scientists and Development Officers

Friday, June 7
1:00 – 2:00pm

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

As the pool of funding becomes increasingly competitive, private foundations and other non-government grants can fund research, fill funding gaps during lean times, keep work going while a principal investigator applies for government funds, or support a pilot project designed to obtain data necessary to compete for larger grants. This session will highlight how UMSOM faculty at all levels can work with the School of Medicine Foundation Relations team to identify, develop, and submit private foundation and non-profit organization grants. Practical tips and strategies from successful submissions will be highlighted.

Speakers:

Sarah E. Bradley, Director of Foundation Relations, Office of Development, UMSOM

Emily Boydston, Development Associate - Foundation Relations, Office of Development, UMSOM

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

NIH Loan Repayment Program Information Session

Wednesday, June 19
9:00 – 10:00am

685 W. Baltimore Street, MSTF Building, Room 316

Join us for an information session on the National Institutes of Health Loan Repayment Program (LRPs). Dr. Kerri Thom is a past recipient of the NIH LRP and will discuss the basic elements of the application process, including eligibility, as well as share some of her own experience with this award. The LRP provides researchers with up to \$35,000 annually to help repay student loans. The LRP repays the outstanding student loans of researchers who are or will be conducting nonprofit biomedical or behavioral research. Opportunities are available in five research areas: clinical, pediatric, health disparities, contraception and infertility and clinical research for individuals from disadvantaged backgrounds.

Visit the LRP website at <http://www.lrp.nih.gov> for more information and to access the online application. **ELIGIBILITY:** Applicants must possess a doctoral-level degree (with the exception of the contraception and infertility research LRP); be a U.S. citizen, national or permanent resident; devote 20 hours or more per week to conducting qualified research funded by a domestic nonprofit, university or government entity; and have qualified educational loan debt equal to or exceeding 20 percent of their institutional base salary.

Speaker: Kerri Thom, MD, MS, Associate Professor, Department of Epidemiology and Public Health; Assistant Dean for Student Research & Education & Director of the Office of Student Research at UMSOM

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

SCIENTIFIC WRITING: Monthly Seminar Series

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 next session below. The subject for the June 13th session will be described in detail in our June newsletter.

Ethical Considerations in Scientific Writing

Thursday, May 9
9:00 – 10:00am

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

Speaker: Adam Puche, PhD, Professor, Department Anatomy & Neurobiology, UMSOM

Dr. Adam Puche will discuss misconduct in scientific writing, its consequences and how to avoid it, with a focus on authorship issues, plagiarism and data ownership.

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

SAVE THE DATE!

SCIENTIFIC WRITING: Monthly Seminar Series

Please mark your calendar for the following scheduled session on **Thursday, 9-10am**. Registration information and subject will be announced in the June newsletter.

Jun 13: TBD
(Howard Hall, Room 224)

MANAGING YOUR RESEARCH PROGRAM: Monthly Seminar Series

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 final two sessions below.

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.

Setting Up Collaborations

Tuesday, May 21

9:00 – 10:00am

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

Collaborations are a crucial aspect of developing and maintaining a successful research program and should be developed and maintained carefully. Often, early stage faculty are uncertain as to how to identify the best collaborators, as well as how to obtain the most meaningful input from collaborators. This session will focus on: 1) building successful collaborations and maintaining productive relationships over time; 2) identifying appropriate venues to network and creating your own networking opportunities; and 3) getting the most out of meetings and conferences, including how to use these experiences for your professional development.

Speaker: **Toni Pollin, PhD**, Associate Professor, Departments of Medicine & Epidemiology and Public Health, UMSOM

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

Negotiation Skills

Tuesday, June 18

9:00 – 10:00am

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

The ability to negotiate successfully is essential to managing a research program; however, early stage faculty often lack training in negotiations skills. In addition, frequently scientists – especially at the early stages of their careers – feel uncomfortable with the process of negotiating, and are uncertain how to do this effectively. This session will introduce the principles of effective negotiation and offer tips for how to approach a negotiation for necessary resources, including salary, research resources and protected time.

Speaker: **Anastasia (Stacy) Watson Smith, JD**, Director, Special Projects, Center for Dispute Resolution, University of Maryland Francis King Carey School of Law

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

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

RESEARCH QUESTION/HYPOTHESIS DEVELOPMENT CONSULTATIONS

Marey Shriver, PhD, Director for Research Career Development, meets with junior faculty regarding early project conception, including developing a clear research question and testable hypothesis. **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

Funding Opportunities ~ Upcoming Deadlines

CHILDREN'S CANCER RESEARCH FUND

Emerging Scientist Award

DEADLINE: May 30, 2019

WEBSITE: <https://childrenscancer.org/esa/>

WHEN EVERYONE SURVIVES FOUNDATION

Innovative Leukemia Research

DEADLINE: June 1, 2019

WEBSITE:

https://www.wheneveryonesurvives.org/grant_application

UNIVERSITY OF MARYLAND MARLENE & STEWART GREENEBAUM COMPREHENSIVE CANCER CENTER

FY20 Pilot Grant Program

Types of Awards Available

1. Payline Program Awards
2. Collaborative Program Awards
3. Fellowship Research Awards

Applications will be accepted from PI's who have submitted research applications to cancer-related funding agencies (e.g., NCI, ACS, VA) that were rejected but scored well following peer-review, as reflected by both the score and review comments. The purpose of this award is to provide funding to support additional pilots, data analysis or experimentation requested during the peer-review that will ultimately support resubmission and funding of the application. Priority will be given to NCI applications. UMGCCC Program in Oncology Members are eligible to apply.

APPLICATIONS DUE: June 1, 2019 to Sarah Laye.

CONTACT: Sarah Laye, Director, Grants and Contracts, UMSOM at slaye@som.umaryland.edu or 410.328.6198

ALZHEIMER'S DRUG DISCOVERY FOUNDATION

Advance Digital Biomarkers for Alzheimer's and Related Dementias

DEADLINE: June 7, 2019 (Letters of Intent)

WEBSITE: <https://www.alzdiscovery.org/research-and-grants/funding-opportunities/digital-biomarkers>

UNIVERSITY OF MARYLAND BALTIMORE, INSTITUTE FOR CLINICAL AND TRANSLATIONAL RESEARCH (UMB ICTR)

KL2 Mentored Career Development Award

The UMB ICTR Clinical Research Scholars Program is seeking applications for the ICTR Internal 2019 KL2 Mentored Career Development Awards. The awards support the career development of individuals dedicated to a career in clinical investigation and who aspire to develop into future leaders in clinical research. Support is provided for three years. The initial two years, based upon satisfactory progress, is provided by each school's Institutional funds. The final year is provided by the applicant's home division/department or UMB School.

FOR MORE INFORMATION: visit <https://www.umaryland.edu/ictr/> or email ICTR-Navigator@umaryland.edu

APPLICATION DEADLINE: June 7, 2019, 5:00 PM EDT

CHILDREN'S HEART FOUNDATION

Research Grant

The Children's Heart Foundation seeks to fund life-saving, life-changing congenital heart defect research in clinical cardiology, basic science, population science, and advancement of surgical/interventional techniques.

APPLICATION DEADLINE: June 7, 2019

WEBSITE: <https://www.childrensheartfoundation.org/for-researchers/>

AMERICAN THORACIC SOCIETY FOUNDATION

Unrestricted Grant

The focus of these research grants is to support junior investigators interested in research that advances the knowledge and understanding of the three pillars of the American Thoracic Society: pulmonary, critical care, and sleep medicine.

LOI DEADLINE: June 17, 2019

APPLICATION DEADLINE: September 20, 2019

WEBSITE:

<https://www.thoracic.org/professionals/research/research-program-portfolio/unrestricted-grants.php>

EPILEPSY INNOVATION INSTITUTE / EPILEPSY FOUNDATION

My Brain Map Initiative

The Institute seeks to better define personalized modeling of seizure propagation to transform care in epilepsy, with the end goal of creating a "Google Map" for the brain that highlights one's unique brain traffic pattern over time.

LOI DEADLINE: June 21, 2019

APPLICATION DEADLINE: November 29, 2019

WEBSITE:

<https://www.epilepsy.com/sites/core/files/atoms/files/26Feb19%20RFP%20My%20Brain%20Map.pdf>

MARYLAND STEM CELL RESEARCH FUND (MSCRF)

- **Clinical Program:** Universities/Research Institutes or Companies that wish to conduct human stem cell-based clinical trials in the State of Maryland.

- **Validation Program:** Faculty at Maryland-based Universities/Research institutes (not federal labs) with IP for human stem cell-based technologies that require additional validation before creation of start-up companies.

DEADLINE: July 11, 2019

WEBSITE: <https://www.msccrf.org/funding-opportunities>

MORE FUNDING OPPORTUNITIES CAN BE FOUND AT:

UMB Internal Grant Announcements

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

UMGCCC Funding Database (Cancer related research)

<https://umgcccfd.org/>

To receive weekly UMGCCC 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.

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

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)

Spotlight on CIBR Resources

CRISPR Services

CRISPR-based technologies are revolutionizing scientific research. In 2018, the Cancer Center Translational Shared Services Laboratory, in conjunction with the Center for Stem Cell Biology & Regenerative Medicine established CRISPR Services to facilitate the incorporation of CRISPR gene editing technology on campus. CRISPR Services are available for the generation of edited cell lines, including knockout cell lines for loss-of-function studies and gene edited cell lines to test the functional consequences of specific gene mutations and single nucleotide polymorphisms (SNPs). Gene editing can also be performed to introduce epitope tags to facilitate downstream biochemical or imaging based experiments. CRISPR Services uses Cas9 ribonucleoprotein complexes (Cas9 RNP) and lentivirus-based approaches, depending upon project needs and objectives. All cell lines are confirmed genetically by DNA sequencing by NGS prior to delivery. Constitutive and inducible lentivirus-mediated CRISPRa and CRISPRi services are also available, for gene activation and knockdown, respectively. CRISPRa and CRISPRi utilize catalytically inactive Cas9 (dCas9) molecules tethered to transcriptional activators and repressors to regulate gene expression. CRISPRi provides a valuable alternative to siRNA/shRNA, and enables the interrogation of knockdown phenotypes for essential genes. The repertoire of dCas9 fusion proteins available is continually expanding. Additional CRISPR-based tools enable the targeted manipulation of the epigenetic landscape at specific gene loci, regulation of gene splicing, and fluorescent labeling of chromosomal regions for imaging. CRISPR Services is also happy to work with researchers to develop novel CRISPR reagents. In late 2019, CRISPR Services will pilot CRISPR-based screening platforms before introducing CRISPR screening as a service in 2020.

[CRISPR Services](#) is provided under the Translation Shared Services umbrella and directed by Dr. Tami Kingsbury. All projects begin with a cost-free consultation to discuss which CRISPR strategies fit best with your project goals. To accommodate the diverse needs of individual laboratories, CRISPR Services has flexible project structures spanning the completion of projects in their entirety from design through cell line delivery to the generation of validated CRISPR reagents for end users.

Email Dr. Tami Kingsbury (Tkingsbury@som.umaryland.edu) to set up an appointment to discuss how to leverage CRISPR Services to promote your research program.

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