

RESEARCH CAREER DEVELOPMENT NEWSLETTER

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

October 2020

The **Office of Research Career Development Program (RCD)** supports the research and professional development of SOM faculty with an emphasis on supporting early stage faculty. **RCD** provides programs and resources to develop skills in effective grant writing, scientific communication, and scientific leadership. In addition, RCD offers one-on-one consultations in areas that are critical to academic research. To view the events and services offered by RCD, please visit: <http://medschool.umaryland.edu/career/>.

In compliance with the UMB COVID-19 Response Policies, RCDP will only be offering virtual events at this time.

SPECIAL ANNOUNCEMENT



Office of Research Career Development Welcomes New Senior Program Advisor!

The Office of Research Career Development is pleased to welcome **Christy Chang, PhD**, as the Senior Program Advisor.

Dr. Chang is currently an associate professor in the Department of Medicine. She received her PhD in Human Genetics and Molecular Biology from the Johns Hopkins University and completed her postdoctoral training at the University of Cagliari, Italy. Currently, she is also the director of UMB's Institute of Clinical Translational Research (ICTR) Internal KL2 Mentored Career Development Program.

Not only has Dr. Chang successfully obtained multiple R01s and R21s, she has been turning what every successful, well-funded investigator do instinctively into a teachable skill. According to Dr. Chang, ***“Effective grant writing is good story telling with clarity valued above all else. All of our brilliant and complex ideas should be presented in a logical structure to maximize reviewer engagement and to minimize reviewer fatigue.”*** Trained by the NIH-sponsored National Research Mentoring Network, she was a grant writing coach who worked with under-represented junior faculty nationwide. She has also taught grant writing through UMB's Science Communication Program.

As a member of the Office of Research Career Development, Dr. Chang will give grant-writing workshops throughout the year and lead small grant writing courses on writing R01 applications in the Spring. In addition, she provides one-on-one consultations pertaining R01 and similar grants.

If you are planning or developing an NIH research grant application and would like to meet with Dr. Chang, please email her at cchang@som.umaryland.edu.

RESEARCH SKILLS SEMINARS

Defining Your Project on Paper: Developing your Research Question, Hypothesis, and Specific Aims Thursday, October 8 • 9:00 – 10:00am (Zoom)

Explaining the fundamental idea of your research project on paper is essential for writing grants. The purpose of this workshop is to help faculty in composing and clearly describing their underlying research question, hypothesis, and specific aims. This session will include tips for developing your research question and how to progress to defining your hypothesis and specific aims.

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

Registration required: <https://registrationrcdp.eventbrite.com>

Overview of NIH Career Development (K) Awards

Tuesday, October 27
9:00 – 10:45am (Lecture)

10:45 - 11:45am (Optional Breakout sessions)
(Zoom)

This session provides an overview of NIH Career Development (“K”) Awards, including the major types of awards (K99/R00, K01, K08, K23, K25). The following subjects will be covered:

- Components of a K award
- Eligibility and competitiveness for a K award
- Preliminary steps, including developing a fundable research question, identifying your mentor(s) and communicating with your Program Officer
- Review Criteria for a K Award
- Identifying non-NIH career development awards

The session will conclude with *optional* 1 hour breakout sessions. During the breakout sessions participants will have the opportunity to interact with the speakers, recent K awardees, and a former NIH program officer and ask questions related to their grant application. **Target audience:** UMB faculty and postdocs who are considering applying for an NIH Career Development “K” award in June or October of 2021.

Speakers: **Marey Shriver, PhD**, Director, Office of Research Career Development, UMSOM; **Jennifer Aumiller, MEd**, Director of Pre & Postdoctoral Career Development, Office of Postdoctoral Scholars, UMSOM; **Renee Cockerham, PhD**, Program Manager, Office of Postdoctoral Scholars, UMSOM and **Stacie Mendoza**, Program Director, Office of Research Career Development, UMSOM

This session is sponsored by the Office of Research Career Development and the Office of Postdoctoral Scholars, UMSOM

Registration required: <https://registrationrcdp.eventbrite.com>

Save the Date
R01 Overview Workshop
Friday, October 30
9:00 – 10:30am (Zoom)

Details and registration will be available shortly at:

<https://registrationrcdp.eventbrite.com>

MANAGING YOUR RESEARCH PROGRAM Bi-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 bi-monthly seminar series consists of five (5), 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 next session. Dates and subjects for the subsequent sessions will be announced in future newsletters.

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

Increasing Your Scientific Visibility Through Social Media

Tuesday, November 10 • 9:00 – 10:00am (Zoom)

Social media is an emerging platform for researchers to increase their professional visibility, establish new connections, and communicate with their peers and the public. This new session will discuss different social media platforms available (including Twitter, Facebook, LinkedIn) and considerations for maintaining a successful online presence. It will also include a panel of research faculty who will share their personal experience and provide helpful tips for using social media throughout your career.

Speaker: **Jennifer Aumiller, MEd**, Director of Career Services, Office of Postdoctoral Scholars, UMSOM

Registration required: <https://registrationrcdp.eventbrite.com>

FUNDING SEMINAR SERIES

Maryland Stem Cell Research Fund (MSCRF) Funding Information Session Friday, October 2 • 9:00 – 11:00am (Zoom)

This information 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 recent awardees who will share their personal experience/advice with submitting a MSCRF grant.

Target Audience: Faculty and Postdocs.

For more information on MSCRF funding opportunities, visit: <https://www.mscrf.org/funding-opportunities>.

Speakers:

Dan Gincel, PhD, VP University Partnerships, TEDCO and Executive Director of Maryland Stem Cell Research Fund (MSCRF)

Curt Civin, MD, Associate Dean for Research and Director of the Center for Stem Cell Biology & Regenerative Medicine, UMSOM

Panelists:

Tami Kingsbury, PhD, Assistant Professor, Department of Physiology, UMSOM

Xiaofeng Jia, BM, PhD, Professor, Department of Neurosurgery, UMSOM

Muthukumar Gunasekaran, PhD, Research Associate, Department of Surgery, UMSOM

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 Tuesday, November 17 • 1:00 – 2:30pm (Zoom)

Guest Speaker: Edda (Flo) Thiels, PhD, Program Director, Neural Systems Cluster, National Science Foundation

The National Science Foundation (NSF) is an independent federal agency and funds basic research and education in most fields of science and engineering. This seminar will focus on grantsmanship and funding opportunities offered by NSF.

Major subjects will include:

- The NSF's mission
- Identifying the right NSF funding opportunity
- Specific biology-related funding opportunities
- How to apply
- Elements of a competitive proposal
- NSF Review Process

Target audience: Faculty and senior postdoctoral fellows.

For more information on NSF funding, visit: <https://www.nsf.gov/funding/>

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

Identifying Funding Sources for Faculty Wednesday, November 18 • 9:00 – 10:00am (Zoom)

This seminar 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
- Demonstration using funding databases

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

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

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 next three sessions. Dates and subjects for the subsequent monthly sessions will be announced in future newsletters.

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

Planning Your Publication

Thursday, October 22 • 9:00 – 10:00am (Zoom)

This session will focus on the publication planning process and provide tips for getting published in an academic journal. Discussion will include the importance of defining your research questions, choosing an appropriate journal, and strategies for effective organization and writing during manuscript preparation.

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

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

Ethical Considerations in Authorship including how to determine authorship

Thursday, November 19 • 9:00 – 10:00am (Zoom)

Being published in a peer-reviewed journal is a crucial aspect of a researcher's career and a common metric by which productivity is gauged. Thus, as a form of 'currency', disputes and conflicts of interest involving authorship frequently occur, requiring careful consideration of the scientific community standards by which individuals should be identified as an author. This session will discuss modern trends in authorship and ethical considerations when determining authorship.

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

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

Tips for Writing a Standard Scientific Research Paper

Thursday, December 3 • 9:00 – 10:00am (Zoom)

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: Joseph P. Stains, PhD, Associate Professor, Department of Orthopaedics, UMSOM

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

SCHOLARLY WRITING ACCOUNTABILITY GROUP (SWAG) PROGRAM

Virtual Program to Help Faculty Increase Their Scholarly Writing Productivity

The Office of Research Career Development (RCD) provides a virtual peer accountability/support program designed to increase writing productivity among UMB early stage faculty called **Scholarly Writing Accountability Group (SWAG)**. A description of our virtual SWAG program follows, including details on how to participate.

What is a VIRTUAL SWAG?

A virtual SWAG is an active peer-led writing group for **UMB junior faculty** that meets for 1-hour, once a week over a 10-week period using **Microsoft Teams**. Groups follow a structured agenda including 15 minutes of updates and goal-setting followed by 30 minutes of individual writing and then 15 minutes of reporting and wrap-up. Each group is limited to 4-8 members who must commit to attending at least 8 out of the 10 weekly sessions. **The purpose of SWAG is to help junior faculty get in the habit of 1) writing in short blocks of time daily or almost every day and 2) identifying and prioritizing feasible writing goals.**

The SWAG program is being used at multiple major medical schools. The data which have been reported on the results of this program are very favorable, reflecting marked increases in the quantity and quality of writing by junior faculty participants.

What are Benefits of Joining a SWAG?

Faculty who join SWAG will:

- Develop new writing habits to achieve writing goals
- Improved time management skills
- Gain a greater sense of control over the writing process
- Build a small community of support/social network

For more information on our SWAG program, visit: <https://www.medschool.umaryland.edu/career/Scholarly-Writing-Accountability-Group-SWAG-Program/>

New groups are being formed on a rolling basis.

If you are interested in participating in a virtual SWAG, please complete the following form: <https://umbforms.wufoo.com/forms/request-to-join-swag>

Questions?

Contact **Stacie Mendoza** at smendoza@som.umaryland.edu

NIH Regional Seminar (Virtual) *Free Registration*

NIH Regional Seminar
October 27-30, 2020

Want to learn more about applying for NIH funding?

Then attend the [NIH Regional Seminar](#) on program funding and grants administration. The Seminar is virtual this fall and FREE! This is an incredible opportunity to learn about the application and review process and meet with NIH staff at no cost and with no travel.

Sessions, Exhibit Hall, & Chats: 1:00-5:00 PM EDT with moderated after-hours conversation topics 5:00-5:45 PM EDT

Event Site & Registration:

<https://nihvirtualeseminar2020.vfairs.com/>

Questions: Send to NIHRegionalSeminars@nih.gov

INDIVIDUAL CONSULTATIONS Offered by RCD

RESEARCH GRANT APPLICATION/SUMMARY STATEMENT CONSULTATIONS

Christy Chang, PhD, Senior Program Advisor for Research Career Development, is available to meet with faculty to discuss writing their first R01 NIH application. Dr. Chang offers consultations regarding readiness and eligibility for R01 level funding, specific aims, and other elements of a R01 application. In addition, she is available to discuss strategies for addressing summary statements and revising research grant applications for resubmission. **Email:** cchang@som.umaryland.edu

CAREER DEVELOPMENT (K) 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 the development of a complete NIH career development (K) application. Dr. Shriver offers consultations regarding developing a clear research question and testable hypothesis. In addition, she provides consultations regarding eligibility for K grant applications, planning for an upcoming grant proposal, and assembling a K application – including creating a training plan. Lastly, 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. To schedule a funding consultation, complete the [Funding Search Request Form](#) online. **Email:** smendoza@som.umaryland.edu

MONTHLY RESEARCH SEMINAR Sponsored by the Office of Research and Scholarship, UMSON

QI vs. Research

Thursday, October 15 • 12:00 – 1:00pm (Webex)

Speaker: **Casey Jackson, MS, CCRP**, Research Quality manager, UMSON, will be discussing the difference between Quality Improvement projects and Research. By the end of the seminar participants should be able to understand their respective definitions, applications, and local HRPO submission expectations.

Click [HERE](#) for more information and to register.

SBIR/STTR FREE TRAINING SERIES

Throughout October, join UM Ventures for a free SBIR training series sponsored by Anchor Ventures and presented by BBCetc. These targeted trainings will provide information and guidance on securing funding and building ideas into a viable business. Attend one or all of the trainings, which include:

- Oct. 1 - [ABCs of SBIR/STTR Funding](#)
- Oct. 15 - [Developing a Schedule and Understanding the Review Process](#)
- Oct. 29 - [Commercialization Planning](#)

Click [HERE](#) for more information

Learn more about the trainings and register at www.anchorventures.org.

COVID-19 RELATED UPDATES & FUNDING WEBSITES

NIH UPDATES

- Information for NIH Applicants and Recipients of NIH Funding during COVID-19 Pandemic (including Funding Opportunities Specific to COVID-19): <https://grants.nih.gov/policy/natural-disasters/corona-virus.htm>
- Funding for Research on COVID-19 and Information for NIH Applicants re: Impact of COVID-19 on Grants and Submissions

The following [document](#) includes COVID-19 Information for NIH Applicants and a list of COVID-19 related research funding opportunities and databases. This document is updated frequently and posted on the [RCD website](#) under the "Funding Highlights" section located on the Home Page.

WEBSITES LISTING FUNDING OPPORTUNITIES SPECIFIC TO COVID-19

- **EDGE FOR SCHOLARS:**
<https://edgeforscholars.org/covid-19-funding-updates/>
- **UNIVERSITY OF MARYLAND:**
<https://umd.infoready4.com/#competitionDetail/1809933>
The UMD-College Park Division of Research issues funding alert emails on a weekly basis. To receive this alert, fill out the [online form](#). Visit the [COVID-19 Research @ UMD](#) page for updates, listings, news, etc.
- **INFOED GLOBAL:**
<https://www.infoedglobal.com/COVID19/COVID-19.html>
- **JOHNS HOPKINS UNIVERSITY:**
<https://hub.jhu.edu/novel-coronavirus-information/research-preparedness/research-preparedness-covid-19-funding-opportunities/>

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



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OFFICE FOR RESEARCH CAREER DEVELOPMENT
685 W. Baltimore Street, MSTF 3-19
Baltimore, MD 21201 Phone: 410-706-5434
<http://www.medschool.umaryland.edu/career/>

FUNDING OPPORTUNITIES

UMB INSTITUTE FOR CLINICAL AND TRANSLATIONAL RESEARCH (ICTR)

2021 - 2022 Accelerated Translational Incubator Pilot (ATIP) Grant Program

This competition provides starter funds for projects specifically focused on innovative, **translational research** that involve faculty from the UMB Schools of Dentistry, Law, Medicine, Nursing, Pharmacy, or Social Work; UMBC, and UMB-community partnerships.

DEADLINE: November 13, 2020, 5:00 PM EST

WEBSITE: <https://www.umaryland.edu/ictr/funding/atip-grant-program-foa/>

DORIS DUKE CHARITABLE FOUNDATION

Clinical Scientist Development Award

This award provides grants to junior physician scientists to facilitate their transition to independent clinical research careers.

PRE-PROPOSAL DEADLINE: November 13, 2020

APPLICATION DEADLINE: March 12, 2021

WEBSITE: <https://www.ddcf.org/what-we-fund/medical-research/goals-and-strategies/encourage-and-develop-clinical-research-careers/clinical-scientist-development-award/>

MCKNIGHT FOUNDATION

Technological Innovations in Neuroscience Award

This award supports scientists who work on novel and creative approaches to understanding brain function.

LOI DEADLINE: December 7, 2020

APPLICATION DEADLINE: April 26, 2021

WEBSITE: <https://www.mcknight.org/programs/the-mcknight-endowment-fund-for-neuroscience/technology-awards/>

UMB INSTITUTE FOR CLINICAL AND TRANSLATIONAL RESEARCH (ICTR)/CTSA

KL2 Mentored Career Development Award

The purpose of the KL2 is to provide support for clinical and translational research training and career development of persons in relevant disciplines and professions from the six professional schools on the UMB campus (Dentistry, Law, Medicine, Nursing, Pharmacy, and Social Work).

DEADLINE: January 29, 2021 at 5:00 PM EST

WEBSITE: <https://www.umaryland.edu/ictr/education-and-training/ictr-training-and-career-development-core/umb-ictcrcta-kl2-mentored-career-development-award/>

MORE FUNDING OPPORTUNITIES CAN BE FOUND AT:

UMSOM Internal Funding Opportunities & External Funding Databases

<https://www.medschool.umaryland.edu/career/Resources-for-Research-Faculty/Internal-FundingDatabases/>

UMGCC Funding Database

(**Cancer related research**) <https://umgccfundingopps.org/>