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WEBINAR SERIES
January – June 2020

Manuscript Writing and Publishing for Scientists Webinar Series
This series equips you with the skills you need to publish in top tier scientific journals, no matter what the field. Learn from scientists who frequently publish and review in ASM journals. Registration is available as individual webinars or a discounted seven-webinar package.

Audience: Undergraduate students, graduate students, postdoctoral scientists, early-career scientists

January 30, 2020, 2:00 – 3:00 p.m. ET
Writing Compelling Titles and Abstracts
Titles and abstracts are the reader’s first and sometimes only encounter with your work. Learn tips to help your title and abstract grab the reader’s attention and convey the most important finding and their importance within a few words or sentences.

February 6, 2020, 2:00 – 3:00 p.m. ET
Setting the stage: Writing Introductions
The introduction must give the reader the necessary information to understand the study, state the knowledge gap and/or the hypothesis to be tested, and give a hint to the approaches taken. Learn proven strategies to guide you through the writing process for the introduction section.

February 20, 2020, 2:00 – 3:00 p.m. ET
Rendering Your Awesome Data With Figures, Tables, and Figure Legends
You worked very hard to collect your data, so do not sell your data short with ineffective figures, tables, and figure legends. Learn how to create better visual elements in your manuscript to show a more exciting and clear story with your data.

March 5, 2020, 2:00 – 3:00 p.m. ET
Tell Your Story With Clear, Logical Results (and Associated Methods)
This webinar will discuss approaches for organizing and writing results, and associated methods, sections. Learn the level of detail and verb tense for each section, as well as the difference between data interpretation, conclusions, and the discussion section.

March 19, 2020, 2:00 – 3:00 p.m. ET
The Big Picture: Writing Discussions That Highlight the Significance of Your Results
Most people agree that writing the Discussion section is the most difficult part of writing a scientific manuscript. Learn two ‘first paragraph’ approaches to get you started, as well as strategies for deciding what to include, what to exclude, and how much to speculate.

April 2, 2020, 2:00 – 3:00 p.m. ET
Authors Are From Mars, Reviewers Are From Venus
There is much more to getting published than just writing the manuscript! Here, learn publication tips un-related to writing the content, such as choosing a journal, finalizing the manuscript, and interpreting and working with reviewer and editor comments.

April 16, 2020, 2:00 – 3:00 p.m. ET
How to Review a Manuscript
Reviewing manuscripts is a great way to learn to improve your own writing while making an important contribution to your field. Using microbiology manuscripts as models, this webinar will discuss guidelines to help you review manuscripts fairly and effectively.

Teaching Undergraduate Biology Webinar Series
This series introduces fundamental concepts of evidence-based teaching that you can readily apply in the classroom or lab, as well as essential career development tips for undergraduate educators. Registration is available as individual webinars or a discounted six-webinar package.

Audience: Graduate students, Postdoctoral scientists, early-career faculty

January 22, 2020, 1:00 – 2:00 p.m. ET
Learning For All: The Practice of Inclusive Teaching
Inclusive teaching is the practice of using evidence-based methods to ensure that all of your students have the opportunity to succeed. Educators will get ideas for how to implement inclusive teaching strategies for their own students.
February 12, 2020, 1:00 – 2:00 p.m. ET
Curriculum Design for Biology
Backward design is a common course design framework in STEM. Instructors will learn the value of backward design, how the backward-designed classroom is different, and start to construct assessable learning outcomes.

February 26, 2020, 1:00 – 2:00 p.m. ET
Aligning Assessment With Learning Outcomes
Student learning can be assessed using many techniques, but must always align with the learning outcomes. This webinar will discuss the different types of classroom assessments, formative and summative, and how to determine whether your assessments are measuring what you intend.

March 11, 2020, 1:00 – 2:00 p.m. ET
Engaging Students in the Classroom
Students who are engaged during the entire learning process retain more and improve skills. Learn how a student-centered classroom is different from an instructor-centered classroom and the principles and research behind active learning.

March 25, 2020, 1:00 – 2:00 p.m. ET
Active Learning Techniques
Active learning encompasses any activity where the student is actively engaged in the learning process, rather than passively sitting in a lecture. Here, you will see concrete examples of engaging activities for biology and microbiology.

April 8, 2020, 1:00 – 2:00 p.m. ET
Writing a Teaching Philosophy Statement
Many applications to positions in higher education that include teaching duties will request a teaching philosophy statement. Learn how to make the visible and invisible aspects of your teaching evident in this important job application document.

Teaching Undergraduate Biology Webinar
Learn innovative approaches for biology classrooms.

Audience: Graduate students, Postdoctoral scientists, faculty, instructional designers

May 13, 2020, 2:00 – 3:00 p.m. ET
Developing Interdisciplinary Curricula for Introductory Biology
To understand foundational biological principles, students must have a working knowledge of scientific and non-scientific disciplines. Here, learn to create interdisciplinary curricula to increase students’ conceptual understanding of key biological concepts.

Biology Education Research: Getting Started
Improve the quality of your undergraduate teaching by learning how to develop your own classroom study with this faculty learning community. Best for biology educators who are new to education research. Registration is available as individual webinars or a discounted six-webinar package.

Audience: postdoctoral scientists, faculty, early /mid-career professionals, career and professional development educators

February 3rd, 2020, 2:00 – 3:00 p.m. ET
Features of a Strong BER Research Question and the Role of Theory in BER Research
Understanding the characteristics of BER research questions is critical to developing a solid BER project. Participants will review types of BER research questions and examine how theory can inform the development of their unique research question.

February 10, 2020, 2:00 – 3:00 p.m. ET
Qualitative Research Methods In BER
Unpack methodologies that guide qualitative research and learn how to create BER questions that align to existing frameworks. Participants will gain a better understanding of qualitative research methods.

February 24, 2020, 2:00 – 3:00 p.m. ET
Quantitative Research Methods in BER
The factors that affect student success in our classrooms are multiple and complex. As a result, studying student learning requires specific statistical tools. Learn about using regression and modeling in BER to control for student characteristics and dependence.
March 2, 2020, 2:00 – 3:00 p.m. ET

**Mixed Methods Study Designs in BER**
Participants will learn about mixed-methodology study designs and how they can result in a more complete understanding of a research question. Emphasis will be placed on how qualitative data can enrich and explain quantitative findings and provide insight that cannot be gained from quantitative research alone.

March 9, 2020, 2:00 – 3:00 p.m. ET

**Developing Assessment Tools in BER**
Appropriate assessment tools are critical in BER. Explore instruments, the process of their design, and resources the BER community leverages to guide their work.

March 16, 2020, 2:00 – 3:00 p.m. ET

**Getting Started and Next Steps in BER**
Learn from BER researchers’ experience on how bench scientists can begin education research, and begin developing your own plan and community to embark on your own BER project beyond the webinar series.

**ABRCMS Online Faculty Series**
This series focuses on a range of topics about creating diverse and inclusive campuses and tools for mentoring students. Offerings are complimentary due to grant funding. Registration is required.

*Audience: Postdoctoral scientists, early/mid-career professionals, faculty, program directors/administrators, instructional designers*

January 28, 2020, 2:00 – 3:00 p.m. ET

**Critical Interventions to Help Underrepresented STEM Students Prepare for Graduate School**
This webinar will identify critical intervention points, outline elements of training and choosing a program, review strategies to help students navigate the application, and discuss opportunities for underrepresented students.

April 14, 2020, 2:00 – 3:00 p.m. ET

**Leveraging Data and Analytics to Eliminate Equity Gaps in STEM Education and Research Opportunities**
This webinar will review efforts to close performance gaps between and among STEM students using data and analytics. The webinar will showcase latest tools for using data to develop strategies to ensure equitable outcomes.

June 9, 2020, 2:00 – 3:00 p.m. ET

**Fostering a Culture of Inclusion and Innovation Through Community College Undergraduate Research Initiatives**
This webinar will highlight the role community colleges play in diversifying the talent pool for STEM researchers, describe nationwide efforts to foster innovative and inclusive research, and discuss opportunities for engagement.
ABRCMS Online Student Webinar Series

This series covers a range of topics about professional skillsets and scientific development, writing abstracts, and preparing for graduate school. Offerings are complimentary due to grant funding. Registration is required.

Audience: Community college students, Undergraduate students, Post-baccalaureate students, Graduate students

January 14, 2020, 3:00 – 4:00 p.m. ET and 6:00 – 7:00 p.m. ET

Putting Your Best Foot Forward in Graduate School Interviews
This webinar introduces trainees to experiences, pointers, and best practices for graduate school interviews. Topics include most common questions, describing experience, approaching meetings, and best practices for follow-up.

January 28, 2020, 3:00 – 4:00 p.m. ET

No Means No: Let Harassers and Bullies Know You’re NOT a Target
This webinar introduces trainees to skills to address the sense of vulnerability and stress experienced by targets of harassment. Topics include responding effectively to reduce stress, boost confidence, and put harassers on notice.

February 18, 2020, 3:00 – 4:00 p.m. ET and 6:00 – 7:00 p.m. ET

Network Your Way to Success in STEM
This webinar introduces trainees to basics of networking and the importance of having and utilizing your network. The webinar will also focus on skills that trainees can gain through experiences at academic meetings and conferences.

March 31, 2020, 6:00 – 7:00 p.m. ET

Preparing for Your Research Experience
This webinar introduces trainees to benefits of research mentors and practical skills for working with them, including cultivating a career-long mentorship, taking advantage of time, and navigating difficulties in the mentorship.

June 16, 2020, 3:00 – 4:00 p.m. ET and 6:00 – 7:00 p.m. ET

Leveraging Your Summer Work in Preparation for Graduate School Applications
This webinar is intended for trainees applying for graduate school in fall. The session will identify tasks for the summer, describe choosing a program, review strategies to draft your application, and discuss how to gain an advantage.
ASM FELLOWSHIPS AND STUDENT PROFESSIONAL DEVELOPMENT PROGRAMS

Career Development Grant for Postdoctoral Women (CDGPW)
The CDGPW provides $1500 to support career development. The funds can be used to travel to a meeting, another lab, or take a course. To be eligible, you must be a female postdoctoral scientist for no more than 5 years in microbiology and 3 years of consecutive ASM membership.

Application Deadline: January 15, 2020

Undergraduate Research Fellowship
An opportunity for full-time community college, undergraduate, or post-baccalaureate students to work with a faculty mentor, conduct summer research and attend Microbe Academy for Professional Development and ASM Microbe to present their research results the following summer.

Application Deadline: February 15, 2020

Capstone Research Fellowship
Awards underrepresented minority community college, undergraduate, post-baccalaureate, master’s or doctoral students up to $2,000 to attend and present at the ASM Microbe Academy for Professional Development and ASM Microbe.

Application Deadline: March 15, 2020

Microbe Academy for Professional Development
In-person 1.5-day student workshop for undergraduates, post-baccalaureate, and graduate students presenting their work at ASM Microbe. Practice your presentation to gain confidence, learn new career-relevant skills, get coaching with small group mentoring, and build networks to get ready for your next career move.

Registration Deadline: June 12, 2020
CAREER RESOURCES

Sign-Up for ASM’s Career Newsletter
Sign-up with your email address to receive bimonthly newsletters that have job openings, career articles on the job search process and different career paths, and ASM’s latest professional development opportunities. Go to asm.org/career-talk to sign-up today.

ASM’s Job Board
Whether you are in the market for a new job or just browsing, don’t miss your opportunity to view jobs or upload your CV/resume on ASM’s Job Board, Career Connections. For employers looking to fill their open positions, view ASM’s Job Board for prices and access to the resume bank. View ASM’s job board at asmcareerconnections.org.

CONFERENCES

July 9 – 12, 2020, Bellevue, WA
American Society for Microbiology Conference for Undergraduate Educators (ASMCUE)

www.asmcue.org

ASMCUE is driven by, for, and with the community! Attendees learn best practices and classroom strategies, hear biology education research updates, and meet new colleagues who teach the same classes you do. Come learn from your peers and network with like-minded educators. New this year: test-drive and get feedback on an active learning technique in the Activity Test Kitchen. Travel awards are available to presenters.

Contribute to ASMCUE by submitting a proposal for an education concurrent session, workshop, education research poster, short tips & tools talk (“microbrew”), or dissemination station!

Session proposals, posters, workshops deadline: February 14, 2020, 11:59 p.m. PT

Travel awards deadline: March 15, 2020, 11:59 p.m. PT

Microbrew and dissemination station deadline: March 31, 2020, 11:59 p.m. PT

Early Bird registration ends: May 29, 2020, 11:59 p.m. PT

Late-breaker posters deadline: May 31, 2020, 11:59 p.m. PT

November 11 – 14, 2020, San Antonio, TX
Annual Biomedical Research Conference for Minority Students (ABRCMS)

www.abrcms.org

Premier STEM conference showcasing cutting-edge science talks, poster and oral presentations, professional development training, and networking opportunities. Travel awards are available to students and researchers in 12 scientific disciplines.

Submit a scientific or professional development proposal to share your expertise, engage attendees in innovations on emerging scientific concepts, and enhance skillset development at the 2020 ABRCMS.

Session proposal and workshop deadline: April 15, 2020, 11:59 p.m. PT

Judges Travel Award deadline: July 20, 2020, 11:59 p.m. PT

Student Travel Award deadline: August 20, 2020, 11:59 p.m. PT

Abstracts deadline: September 4, 2020, 11:59 p.m. PT
www.asm.org/catalogue

For questions or more information about ABRCMS, contact abrcms@asmusa.org.

For questions about all other offerings, contact education@asmusa.org.