



RESEARCH UPDATE

A WEEKLY COMMUNICATION FROM THE OFFICE OF RESEARCH & SPONSORED PROGRAMS

VOLUME 2: NUMBER 3

January 22, 2021

GENERAL INFORMATION

- **AACOM Grants to Fund Medical Education Research**
 - Apply for AACOM's annual, highly competitive [Research Grant Program](#). Topics of particular interest include those that promote wellness, diversity and inclusion in osteopathic medical education; assess student readiness for residency using Entrustable Professional Activities, milestones or other residency performance measures; and those that advance the selection of students and residents who embrace the osteopathic philosophy and are successful at colleges of osteopathic medicine (COMs). Primary investigators must be educators at a US COM. The deadline for applications is March 1, 2021.
- **AACOM [Grants to Reduce Opioid Use in Pain Management](#)**
 - The AACOM Opioid Advisory Task Force is organizing a multi-institutional study on the use of osteopathic manipulative medicine (OMM) as an adjuvant to reduce analgesics (including NSAIDs, APAP and opioids) in pain management. The Task Force welcomes both basic science and clinical researchers in the osteopathic medical education community to submit project ideas. The deadline for applications has been extended to February 23, 2021.
- **AOA Grant Opportunities**
 - The [2021 AOA Research Grant Program](#) offers opportunities for grants of up to \$100,000. The deadline for all applications is Monday, February 15, 2021. Please contact the Research Office if you plan to submit a proposal.
- **Distinction in Research Accepting Applications**
 - The Office of Research and Sponsored Programs will begin accepting applications on January 15, 2021. Application information and requirements for the [Distinction in Research](#) are available online. Please contact [Dr. Ontiveros](#) for more information.
- **Research Advisory Council Membership Change**
 - Dr. David Osborne has been appointed to the Research Advisory Council as the *ex officio* member representing the Office of Pre-clinical Education. Dr. Osborne replaces Dr. Robert Ketchum on the RAC. We wish to thank Dr. Ketchum for his prior service on RAC.

MEDICAL STUDENT RESEARCH

- *Director's Corner*

Defining Authorship

Anthony, a first-year medical student, worked in the laboratory of Dr. T, where they studied the effects of pesticides on the central nervous system. Initially, Anthony began working on a research project as a college junior assisting Joanne, a senior graduate student, that continued through his senior year and summer following graduation. It wasn't until his senior year that he fully committed to the project and helped Joanne with experiments and analysis that produced the final figure necessary for submitting the manuscript for publication. Now in medical school, Anthony has not had the time to help with the manuscript writing process but did provide input through phone discussions when possible. The manuscript was eventually published, for which he was shocked to see that he was not an author of the publication but

was listed under the acknowledgments section. Anthony was distraught because he had worked with Joanne during his final two years of college and felt cheated.

This type of scenario is one that occurs frequently and a likely scenario that could have been avoided by following the ethical principles of responsible authorship, guiding principles that should begin before the writing process of a manuscript. Although authorship can take on many forms, whether it be writing or revising drafts, making significant changes or suggestions for improvement, or designing the project's direction and plan, defining intellectual contribution can be quite complicated. Irrespective, discussions concerning authorship should occur at the beginning of a study and when a new person joins the team. Each team member should have a clear understanding of the merits of authorship so that situations as the one described above are avoided.

The criteria for authorship have been heavily discussed. Still, these discussions have led to variability in institutional and journal policies, all of which can be exercised differently. It is commonly understood that an “author” must have made a “significant contribution” to the published work. What is a significant contribution, and how is it defined? This may vary from project-to-project, but a frequent standard of authorship states that individuals who participated in the conception or design, direction, or depth of the study.

According to the Office of Research Integrity (<https://ori.hhs.gov/>), giving authors proper attribution for their published work makes identified authors accountable for the study's integrity and accuracy while also being recognized for their contribution to the scientific literature, which is essential for preserving the integrity of the research. So, who gets to be an author? The Office of Research Integrity defines a significant contribution as individuals who have participated in the following: (1) intimately involved in the conception and design of the research, (2) assume responsibility for data collection and interpretation, (3) participate in drafting the publication, or (4) approve the final version of the publication.¹ Despite these four guiding points, there is a disagreement about whether an individual must fulfill each of the above or whether individuals who meet a limited number deserve authorship. Another thing to consider is that differences do exist across disciplines regarding the acceptable definitions and standards of substantive contribution.

As described above, authorship can, in some cases, be difficult to apply in a real-world setting. Still, discussing authorship, research commitments, and goals before working on a research project, in addition to taking a profound and engaging approach to the project, will likely ensure attribution to authorship.

References Cited:

¹Steneck NH. *Introduction to the Responsible Conduct of Research*. The Office of Research Integrity; 2007, pp. 133-139. Available at <https://ori.hhs.gov/sites/default/files/2018-04/rcrintro.pdf>.

[Steven J. Ontiveros, Ph.D.](#)

Director of Student Research

Associate Professor, Anatomy & Cell Biology

- ***Summer Research Experience***
 - The Office of Research and Sponsored Programs (ORSP) is pleased to announce the 2021 Medical Student Summer Research Experience and invite you to submit applications for the program. The summer experience will be offered during the summer of 2021 and consists of a 6-week research experience that will commence with Orientation Day on June 2nd and culminate on July 17th with Medical Student Research Day. Participants are expected to attend Orientation Day, devote full commitment to the mentored research, and present their work during Medical Student Research Day. A list of available projects and applications are available on the [Summer Research Experience webpage](#). Completed applications must be received by the **deadline date: February 2nd, 2021 at 11:59 PM.**

- ***Louisa Burns Osteopathic Research Poster Presentations Call for Abstracts***

- The Louisa Burns Osteopathic Research Committee (LBORC) is calling for submissions to the [2021 Poster Presentation](#). The presentation will be held in March during the 2021 AAO Convocation. The deadline for submission is February 1, 2021.

Contact: [Adrienne Kania, DO, FAAO NMM/OMM](#)

- **AOA Research Training Grants**

- The [AOA Research Training Grants](#) for medical students program will begin receiving applications this month. The application cycle will open on December 15, 2020 and close on February 15, 2021. These training grants provide up to \$5,000 in funding for medical students and aim to promote the osteopathic approach to care through AOA-funded research. All individuals planning to submit a grant must contact the Office of Research & Sponsored Programs and submit a [Proposal Transmittal Form](#) along with other requisite information at least five (5) business days in advance of the submission deadline. Please contact [Dr. Benoit](#) for more information regarding the grant submission process

- **Student Research Support Fund**

- In support of Burrell College medical student research and creative scholarship endeavors, the Office of Research and Sponsored Programs (ORSP) is pleased to announce the new 2020-2021 Student Research Support Fund and invites student researchers to submit an application. This funding opportunity provides Burrell College medical students with limited funds to support their research and creative scholarship. Applications are available on the [program website](#)

- **Distinction in Research**

- The Office of Research and Sponsored Programs (ORSP) is pleased to announce the [Distinction in Research](#) that will begin accepting applications on **January 15, 2021**. The Distinction is a highly intensive and optional path that provides opportunities for medical students who seek higher levels of mentored research experiences.

Contact: sjontiveros@bcomNM.org or research@bcomNM.org

RESEARCH LABORATORIES

- **Laboratory Services for Faculty Investigators**

- The Research Laboratories are pleased to announce a new effort to advance faculty-driven research by offering Laboratory Services in support of college-sponsored research. All you need to do is submit a request using a [Research Services Request Form](#).

- **Research Laboratory Access**

- We wish to remind laboratory users to contact [Ms. Kalli Martinez](#) before visiting the Research Laboratories. We continue to operate at a reduced capacity and it is important that we maintain awareness of laboratory user access.

- **Human Physiology Laboratory**

- The IRB and Office of Research are working with Principal Investigators towards a plan for resuming face to face human subjects research in the Human Physiology Laboratory. Each project is being considered on a project-by-project basis from a risk/benefit perspective by the IRB based on information provided by the principal investigators. Assessment of risks and benefits includes those imposed to both subjects and investigators during the current COVID-19 pandemic. Contact the [IRB](#) or [Research Office](#) for more information.

DATES AND DEADLINES

- Institutional Review Board (IRB) – January 29, 2021; 12:00 – 1:30 p.m.
 - Last day to submit materials for this meeting: January 18, 2021
 - Email: IRB@bcomnm.org
- Institutional Biosafety Committee (IBC) – February 3, 2021, 12:00-1:00 p.m.
 - Last day to submit materials for this meeting: January 21, 2021
 - Email: Research@bcomnm.org
- Research Advisory Council (RAC) – February 19, 2021, 1:00 - 3:00 p.m.
- [Distinguished Researcher Seminar Series](#)

- The Distinguished Researcher Seminar Series will continue as an online series through the Spring Semester. Dates will be announced as speakers are confirmed. Hosts for the Spring Seminars are as follows:
 - January: Department of Clinical Medicine
 - February: Department of Physiology & Pathology
 - March: Department of Biomedical Sciences
 - April: Medical Student Body

POLICY & REGULATORY UPDATE

- **Burrell College New or Updated Policies and Procedures**
 - The Biosafety Manual has been updated after undergoing IBC review and is available on the Burrell College website. A minor modification has been made to the Blood-borne Pathogen Exposure Control Plan and we are still finalizing an SOP to inform the process by which Burrell Investigators can document Hepatitis B vaccination.
 - [Biological Safety Manual](#)
 - [Bloodborne Pathogen Exposure Control Plan](#)
 - Research Laboratories Services Request, [RSP.018](#)
 - ⑩ This policy defines the procedure whereby a Burrell College faculty may request Laboratory Services in support of College-sponsored research projects.
- **Human Research Protection** ○ [AHRQ Guide Notice on Exception to the Use of the Single IRB Review Requirements During the Coronavirus Disease 2019 \(COVID-19\) Public Health Emergency](#)
- **CDC**
 - [Biosafety in Microbiological and Biomedical Laboratories \(BMBL\) 6th Edition](#) **New Edition!** *Download your Free Copy.*
- **World Health Organization**
 - [Laboratory Biosafety Manual, 4th Edition](#) (**New Edition**, December 2020)

FUNDING OPPORTUNITIES, MEETINGS, and NOTICES

- Guidance on new proposal submission and related information is available in MS Teams and on the Research Office Website. Please submit a completed [Proposal Transmittal Routing Request](#) in advance of the deadline. Allow five (5) business days for institutional review and signatures.
- [NIH Weekly Funding Opportunities and Notices](#) - January 22, 2021
- American Osteopathic Association
 - [AOA Research Grants](#) for DOs, MDs, and PhDs
 - [Research Opportunities](#) for resident physicians, fellows and osteopathic medical students
- [Wells Fargo Philanthropic Services](#) (Search for Opportunities)
- [Experimental Biology 2021](#) will be held April 27-30, 2021 as a virtual meeting.
- [AACOM Educating Leaders 2021](#) will be held April 20-22 as a virtual event.
- [American Academy of Osteopathy Convocation](#) will be held March 17-21, 2021 (*Currently being planned as a hybrid event*)

CLINICAL TRIALS INFORMATION

- **Clinical Trials Information**
 - [TrialSite News](#) is a digital media resource dedicated to transparent and open coverage of clinical research trial sites around the globe.

INFORMATION FOR AUTHORS

- **Case Report Guidance** ○ Many of you have informed us of your intent to publish a case report. Please consult our [Case Report Publication Guidance](#) for additional information as you prepare your manuscripts for submission. While IRB approval is generally not required for Case Reports, the College expects that authors have secured permission for medical record access and follow all applicable regulations, policies and procedures. Please feel free to contact the [Office of Research](#) if you need additional guidance.
- **Information on Publishing Venues**
 - The Office of Research and the Burrell College Health Sciences Library are available to assist with any questions that you may have regarding appropriate places to publish your research.
- **Cureus Journal of Medical Sciences**
 - Cureus is an open access peer reviewed medical journal based in San Francisco, CA that offers free publication for articles that follow their author instructions.
- **Journal of Osteopathic Medicine**
 - The Journal of the American Osteopathic Association (JAOA) is now the Journal of Osteopathic Medicine (JOM). The first issue of the new Journal will be out in January.
- **Call for COVID-19 Research Papers:** The JAOA editors invite researchers to share information and data about their experiences with COVID-19 with the osteopathic community.
- Are you interested in publishing a literature review? The Journal of the American Osteopathic Association has created a video that provides tips for putting together a quality [Systematic Literature Review](#)

RECENT AND FORTHCOMING SCHOLARLY WORK BY BURRELL COLLEGE RESEARCHERS

(Please [email us](#) with your news and we will add it to future Updates.)

[Email](#) Us Information About Your Scholarly Activity
Include Full Citations in the Correspondence