



RESEARCH UPDATE

A WEEKLY COMMUNICATION FROM THE OFFICE OF RESEARCH & SPONSORED PROGRAMS

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April 23, 2021

GENERAL INFORMATION

- **CALL FOR PROPOSALS: AOA Osteopathic Manipulative Medicine Observational & Explorative Research**

The AOA Bureau of Osteopathic Research and Public Health (BORPH) is reopening the RFA on Osteopathic Manipulative Medicine (OMM) Observational & Explorative Research Studies, addressing one of 14 research hypotheses designed to investigate the successful effects of Osteopathic Manipulative Medicine (OMM) on disease. These topics include:

- **OMT and Pain Management**
 - OMT will reduce the length of days of headaches in migraine patients.
 - OMT will be effective at reducing facial pain and improves patient perceptions of care in facial sinus congestion.
 - OMT will be an effective technique to reduce pain and NSAID use in tension headache patients.
 - OMT will reduce the use of medications, especially opioids.
- **OMT and Surgical Outcomes**
 - OMT will reduce post-operative shoulder surgery edema.
 - OMT will reduce chest discomfort after thoracotomy.
 - OMT will enhance the quicker return of normal bowel function post-operative.
- **OMT and Respiratory Issues**
 - OMT will reduce the frequency of hospitalizations in patients with COPD and COPD exacerbations.
 - OMT will improve pulmonary function in patients with asthma.
 - OMT will decrease the respiratory symptoms of long-haul COVID patients.
- **OMT and Pediatric Issues**
 - OMT will reduce the number of hospital days for pediatric patients suffering from pneumonia.
 - OMT will improve feeding difficulties in newborns.
- **Other OMT Research Topics**
 - OMT will enhance immunological response to vaccines.
 - OMT will reduce the incidence of falls in the frail elderly.

Funding Amount, Up to \$20,000 maximum; **Project Period**, October 1, 2021 – March 31, 2023 (18 Months); **Application Due Date**, Tuesday, June 1, 2021. Awards will be announced in September 2021.

Please review the [Request For Applications](#) for more information.

- **New Standard Operating Procedures**

- **Research Misconduct Proceedings**

Burrell College encourages the pursuit of research and creative scholarly activities as part of its mission, strives to create an environment that supports all academic and scholarly endeavors, and promotes integrity in the conduct and dissemination of research. The College recognizes that incidents of misconduct in research and creative scholarship is rare, but also understands that procedures for fair and thorough investigation of allegations of research misconduct must be defined. In accordance with our responsibility to comply with federal regulations 42 CFR Part 93, this SOP defines the process whereby the College investigates and acts on matters involving allegations of misconduct in research and scholarly activity.

- **Grant Submission Process**

This Standard Operating Procedure (SOP) details the process for submitting extramural grants. All Burrell College faculty, staff, and students applying for and submitting extramural grants must follow the procedures outlined in the SOP. The key steps outlined in the process include:

1. Submission of a Notification of Intent to Apply for Extramural Funding

2. Preparation of the grant proposal by the Principal Investigator or Program Director in accordance with sponsor application requirements
3. Submission of a Proposal Transmittal Form with attached proposal and supporting documents to the Office of Research & Sponsored Programs for internal routing and review. *Note: All proposals must be routed for internal review and to ensure compliance with federal, state, and College regulations and/or policies prior to submission. P.I.s and P.D.s should allow five (5) days for this review.*
4. Proposal Submission shall occur only after internal routing and approvals are obtained.

Please contact the Office of Research and Sponsored Programs with any questions and remember that advanced planning is the key to a successful grant submission.

- **[Leave of Absence for Advanced Study](#)**

All students requesting a Leave of Absence for extended periods of research, creative scholarly activity, or any other form of advanced study must follow the process outlined in the procedure. Please contact the Registrar for more information. It is recommended that a student initiates the request sixty (60) days in advance of the requested leave date.

- ***Laboratory Standard & Hazard Communication Training***

Laboratory Standard & Hazard Communication Training is a required in person course for all individuals who will conduct research in the Burrell College BioScience Research Laboratory. Access cards to the Laboratory will not be issued to individuals who have not completed the training course. The next Laboratory Standard & Hazard Communication Training is scheduled for:

- Friday, May 14, 2021
- 1:00 – 3:30 p.m.
- Burrell College Room 160

[CLICK HERE TO REGISTER](#)

- ***Finance Office Announces Dates for Year End Ordering***

- The year-end schedule for submission of purchasing requests has been made available by the Controller, Renee Huber-Landrum. [Please review the following dates and plan accordingly for your research related purchases.](#)
 - April 1, 2021: Last Day to Place International Orders
 - June 4, 2021: Last Day to Submit Purchase Requisitions for Domestic Orders
 - June 8, 2021: Last Day that Finance will generate Purchase Orders
 - June 29, 2021: Last Day for Receiving and Expense Reimbursements
 - July 19, 2021: Purchase requisitions resume in workflow

- ***Face to Face Human Subjects Research Resumes***

- The Office of Research has accepted the IRB guidance on resuming Human Subjects Research. A new SOP, RSP 019.00, [COVID-19 Human Subjects Research Guidance](#) is available for researchers.

MEDICAL STUDENT RESEARCH

- ***Director's Corner***

Case Studies

To follow up with the previous Director's Corner I wrote that was entitled, "Type of Research If Time Is an Issue," I briefly discussed types of studies students might engage in if they find themselves short on time. A kind of study that is well suited for medical students, especially for students in or entering their clinical years, is a case study.

A case report or case study involves examining a particular circumstance within a real-life situation that emerges from single or multiple persons or events intending to disseminate new knowledge from work practices. This new knowledge can then be used as a practical teaching tool that places real-world context into perspective. Although case studies are well known to originate in just about every discipline, they are prevalent in areas with a strong basis for recounting events, identifying or solving problems, or understanding real-life outcomes, which commonly occur in fields such as psychology, business, and medicine. For example, while I was in my MBA program, we used the case study method in most of my courses where we explored and digested a diverse array of cases that discussed concepts such as workplace culture and all the way to the effects

of poor leadership and management. Star Wars always come to mind when thinking about the concept of poor leadership and how I perceive the construction of the Death Star. From my perspective, the lack of true leadership, unrealistic demands, and insufficient resources lead to poor team morale. This low morale eventually resulted in not recognizing the vulnerability and risk of a two-meter wide exhaust port to a single X-Wing Starfighter loaded with two proton torpedoes [sprinkled with a little bit of Force].

There are many types of cases that help professionals with their problem-solving, analytical, and decision-making skills. What about the case reports used in medicine? These are published reports designed to disseminate new knowledge from clinical practice, providing a detailed description of the signs and symptoms, diagnosis, and treatment used, including follow-up and patient outcomes. Similar to the approach to business cases I mentioned above, once published, clinical cases allow the readers to identify the problems and understand the final outcomes.

So how do you know if the case you are considering is suitable for publication and worth writing? Of course, you always want to be vigilant of interesting or unusual cases. Still, one thing to examine when considering a case study is if the case itself can be generalized and may be relevant to a wide variety of clinicians. If yes, that is a good start because many clinicians will have the opportunity to learn from the information provided. Although the patient presentation can be common or unusual within a case, areas to consider when pursuing one is if it deals with any of the following: 1) an unusual response or observation, 2) a unique complication of a known disease, 3) adverse response to a currently used therapy, 4) a new approach/therapy/technique, or 5) the case highlights details of a previously unknown condition. To continue with Star Wars as an example as above, a good case study could have involved discussing whether Anakin Skywalker suffered from post-traumatic stress disorder that originated from his Jedi training and was the overwhelming basis for his descent into the Dark Side and thus emerging as Darth Vader. Just a thought there, and something that we will probably never find out because I guess they didn't have case studies in the galaxy far, far away.

Alright, let me *storm* out of my stargazing trip and get back to discussing case reports. Since clinical case reports use patient information, do they require patient consent or Institutional Review Board (IRB) approval? A clinical case study that involves three or fewer cases does not generally require IRB approval. However, investigators are still required to secure site approvals for access to the patient data or information. Informed consent is a fundamental component for the ethical conduct of research or activities involving human subjects. Consent must be secured from the patient, and they must be informed of the aims, purpose, and the patient's roles in the study. In consequence, journals require that authors include the consent form at the time of manuscript submission. Additionally, when writing a case report, every aspect of care should be taken not to disclose the patient's identity.

Many students inquire about case reports and the approach to writing one, especially students within their clinical years, which has prompted me to put together this piece [and the next] about case studies. I recommend case studies because they serve as a record of clinical interactions, which helps to contribute to the body of clinical knowledge. Additionally, the process of a case study allows students to get a sense of an investigative approach, learn more about a specific subject matter, and provides an opportunity to enhance reading and writing skills.

In the next Director's Corner I will continue the discussion of case studies and will examine the structure of a report. Stay tuned!

Steven J. Ontiveros, Ph.D.
Director of Student Research

- ***American Osteopathic Foundation Rocovich Research Grant***
The American Osteopathic Foundation (AOF) is accepting applications for the Rocovich Research Grant that is given annually to recognize an osteopathic medical student, a resident, or a physician who is engaged in scholarly work on the biomechanical, biomedical, or clinical aspects of osteopathic manipulative treatment (OMT). Information is available via the [AOF website](#). The deadline is **May 9, 2021**. Individuals wishing to submit a grant must follow the [Burrell College Grant Submission Process](#). Please contact the Office of Research & Sponsored Programs with any grant submission questions.
- ***Student Research Reporting Policy***
To ensure that student research is conducted in compliance with institutional policies and applicable regulations, all students are required to inform the Office of Research and Sponsored Programs of their research plans before **beginning a**

research project, submitting an abstract to a conference, or submitting a manuscript for publication. Informing our office involves the completion of an online form that is available through the [Medical Student Research – Starting Your Research web page](#). For more information, please visit the [Medical Student Research website](#), or contact Dr. Ontiveros or the Office of Research.

- **2019 Medical Student Research Day Speaker Confirmed**

We are pleased to announce our keynote speaker for the 4th annual medical student research day. Andrea Amalfitano, Ph.D., D.O., Dean of the Michigan State University College of Osteopathic Medicine, is an expert in the field of gene transfer vectors for vaccine applications and has a longstanding commitment to the advancement of osteopathic education. Dr. Amalfitano will be joining us on July 15, 2021 to participate in Medical Student Research Day activities and present a lecture on his research.

Jonathan Kreger, OMS-II
SGA Director of Medical Research

RESEARCH LABORATORIES

- **Research Laboratories Services Requests**

Laboratory investigators, do you need to run a gel, split/feed cells, or conduct an ELISA and don't have a lot of time to spend at the Research Labs? We can help! The Office of Research can provide Laboratory Services in support of your research endeavors. All you need to do is submit a request for Laboratory Services support, which includes specific information on when and what you need accomplished. All requests must include a detailed technical protocol. Please review the [Research Laboratories Services Request SOP](#) and contact Kalli Martinez or Dr. Woods with any questions about how we can best support you.

[CLICK HERE TO SUBMIT A REQUEST](#)

- **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.

DATES AND DEADLINES

- **Don't Forget to Submit Summer IRB and IBC Protocols for Review**

- Summer Research will soon be here. We wish to remind all Principal Investigators to submit your protocols for research involving human subjects to the IRB and/or biohazardous agents to the IBC in order to avoid possible delays in beginning your research. For existing protocols, please remember to inform the respective committee of any additions to your research team.

- Institutional Review Board (IRB) – April 26, 2021 12:00 – 1:30 p.m.

- Last day to submit materials for the April meeting: April 13, 2021.
- Email: IRB@bcomnm.org

- Institutional Biosafety Committee (IBC) – July 14, 2021, 12:00-1:00 p.m.

- Last day to submit materials for this meeting: April 5, 2021
- Email: Research@bcomnm.org

- Research Advisory Council (RAC) – May 21, 2021, 1:00 - 3:00 p.m.

- [Distinguished Researcher Seminar Series](#)

- April 1, 2021, 12:00-1:00 p.m. via Zoom: Jennie H. Kwon, DO, MS, Assistant Professor of Medicine, Washington University School of Medicine, St. Louis, MO, will present the April DRS Seminar. The title of the presentation is “The Role of the Microbiome in Antimicrobial Resistance”. Via Zoom.

Invited and Hosted by the Students

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 SOP defines the procedure whereby a Burrell College faculty may request Laboratory Services in support of College-sponsored research projects.
 - [COVID-19 Human Subjects Research Guidance](#)
 - ⑩ This SOP provides information to investigators conducting face to face human subjects research.
- **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

- [NIH Weekly Funding Opportunities and Notices](#) – April 23, 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.

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).
- **[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.)