



RESEARCH UPDATE

A WEEKLY COMMUNICATION FROM THE OFFICE OF RESEARCH & SPONSORED PROGRAMS

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March 22, 2021

GENERAL INFORMATION

- ***April Distinguished Researcher Seminar Series to Focus on the Microbiome***

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". The Seminar is Thursday, April 1 from 12:00 to 1:00 p.m. and will be available on Zoom.

The Burrell College Students are hosting this seminar guest.

Contact: Jonathan Kreger, OMSII

- ***Faculty/Staff Scholarly Activity Reporting***

We are compiling a complete list of all scholarly activities for the 2019-2020 Academic year, as part of the reporting requirements of the Office of Research & Sponsored Programs. *The period covered by this report is July 1, 2019 to June 30, 2020.* **The site remains open if you have yet to complete your submission.**

The following information is needed to complete this questionnaire:

- Citations for publications between July 1, 2019 and June 30, 2020.
- Citations for poster and oral presentations between July 1, 2019 and June 30, 2020.
- Information on grants submitted and/or received between July 1, 2019 and June 30, 2020.

[CLICK HERE TO ENTER YOUR INFORMATION](#)

- ***New Research Office Ordering Process***

- Effective Monday March 15, 2021 the process for submitting orders for processing by the Office of Research changed to an online process. The new process will streamline workflow and facilitate order processing. Detailed information along with access the online ordering form is available on the Office of Research website under the [ORSP Order Request](#) tab.

- ***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. The Human Physiology Laboratory will reopen on April 5, 2021.

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MEDICAL STUDENT RESEARCH

- ***Director's Corner***

Type of Research If Time is an Issue

The typical first year in medical school begins with a demanding start, where students are introduced to fundamental science subject matter that forms the framework of knowledge that will be used for the rest of their careers. After the nervous few weeks have subsided and the fall semester progresses, first-year students begin to visit my office (or Zoom office for now) to ask about research, Star Wars, Netflix shows I watch, or to tell me a Dad Joke they heard. Regarding the other upper classes, I usually do not get many inquiries about research opportunities from second-year students, but as third and fourth-year students find themselves in situations where they feel more comfortable engaging in research, they begin seeking out opportunities.

So, when is the best time for students to engage in research? Most would argue that the summer is the best time for medical students to take on a research project, for which I agree, but it depends entirely on the student's desire and interest in research, their academic performance, and how well they can manage their time in medical school. Are some students able to engage in research during the academic year? Yes, but it varies from student-to-student.

As students diligently study 850 slides of information for a 75-question exam, while also binge-watching Netflix series, the first question I ask when students visit my office inquiring about research is if they have the time to devote to a project. Although my approach has always been to illustrate the importance of engaging in research as a medical student [as I discussed in the Director's Corner entitled "Engaging in Research Experiences While in Medical School"], first and foremost, students need to focus on their academics. Although I am a firm advocate for research, I discuss the practicalities of the time and level of effort required to do research.

Before starting a research project, students should fully consider the type of research. Most students who visit my office with research inquiries envision themselves doing lab bench studies, which generally occur in a large gray or white room, with shelving full of chemicals and reagents, long and worn out benches containing chemical stains and unfinished ceilings with exposed pipe fixtures. Although all of that might sound appealing to some, biological studies are quite a labor-intensive endeavor that dictates the student's level of involvement and when that involvement occurs, which is not a suitable environment for everyone. What if a student starts an experiment that requires three consecutive days of work but only has two days to devote? Can the third day be done sometime the following week or week after? Not likely. Another consideration is that a biological study might take years to complete. Do some students have the time and effort to devote to biological studies? The answer is yes, but not all.

With that in mind, what type of study should a medical student consider if they find themselves short on time and are unable to devote themselves to a labor-intensive research project? Students should consider retrospective or some population/public health-based studies, literature reviews, or case reports. Although these types of projects still require a significant amount of effort and time, they can be very accommodating and welcoming to the medical student's rigorous lifestyle. A retrospective study, such as a chart review, can be an appealing option because it is clinically oriented since researchers analyze patient data seeking interesting correlations and patterns. Some population or public health-based studies function in a similar

fashion, where researchers look through data found within databases for patterns associated with a given population. Students can enlist themselves in writing literature reviews that answer common questions by reading and synthesizing research articles and condensing them into a single digestible manuscript. Case reports are another excellent option since they offer students the opportunity to investigate an unusual complication or unknown condition observed in a patient.

One common denominator found between these types of studies is that they provide students with some flexibility to work on the project when and how long they want. Whether a student has twelve hours or two hours a week, these types of studies can progress to completion by employing the time they can afford while also providing time for studying and to devote to a series such as *The Game of Thrones* or *The Mandalorian*.

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

- ***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.

- ***Loma Linda University 2021 NMPRA Western Regional Conference Poster Competition Call for Abstracts***

The Loma Linda University Combined Internal Medicine/Pediatrics Residency Program is calling for submissions to the conference entitled, "Putting the Med Ed into Med Peds" which will occur virtually on **Sunday, April 18, 2021 from 9:45am-2:45pm**. The deadline for abstract submission is **March 22, 2021**. If interested, please [register](#) for the conference and email abstracts to llumedpeds@gmail.com.

- ***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*

- ***New Student Research Reporting Policy***

On February 2, 2021 students were notified of a change in the [Student Handbook Section on Research & Scholarly Activity](#). The essence of this new policy centers on students informing the Office of Research & Sponsored Programs of research plans and activities in advance of beginning a research project, submitting an abstract to a conference, or submitting a communication for publication. The reporting involves completion of a short online form to ORSP to ensure that the research is conducted in compliance with institutional policies, as well as any applicable regulations that the College has a responsibility to comply with. Please feel free to [contact us](#) with any questions that you may have regarding this new policy and associated procedures. Additional information and access to the online forms are available on the [ORSP Medical Student Research Starting Your Research](#) web page or Dr. Ontiveros.

- ***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](#).

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](#)

- ***Bio-Rad BioPlex 200 Installed in Research Laboratories***
The Bio-Rad BioPlex 200 instrument has been installed in the BioScience Research Laboratory. Kalli Martinez will receive training from the vendor on instrument maintenance and operation and will be available to assist investigators with accessing this new capability. Please contact Dr. Woods or Ms. Kalli Martinez if you have any questions about BioPlex multiplexed immunoassays.
- ***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

- ***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) – March 26, 2021; 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) – April 14, 2021, 12:00-1:00 p.m.
 - Last day to submit materials for this meeting: April 5, 2021
 - Email: Research@bcomnm.org
 - *The Institutional Biosafety Committee voted to move to a schedule of 4 meetings per year at their last meeting. The 2021 IBC meetings will be on March 10, April 14, July 14 and November 10. Principal Investigators needing approval for Summer Research should submit protocols for either March or April review. For more information contact Dr. Woods or the Office of Research.*
- Research Advisory Council (RAC) – April 23, 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
Contact: Jonathan Kreger, OMS-II*

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

- **AACOM Osteopathic Health Policy Fellowship**

The [Osteopathic Health Policy Fellowship \(OHPF\)](#) is a year-long leadership training program designed to help osteopathic physicians and other associated health professionals develop the skills they need to analyze, formulate, and implement health policy on the local, state, and national levels. The OHPF is primarily sponsored by AACOM. The program is designed for practicing or teaching osteopathic physicians and other individuals with an established connection to the osteopathic profession. OHPF Alumni include non-physician COM faculty and administrators, physician assistants, state osteopathic association and foundation directors, and hospital administrators. **The Application Deadline is March 31, 2021.**
- [NIH Weekly Funding Opportunities and Notices](#) – March 19, 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.
 - [Registration is Open!](#) Regular registration is \$395 and registration for students/interns/residents is \$225.
- [American Academy of Osteopathy Convocation](#) will be held March 17-21, 2021 (*Virtual 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).
- **[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.)