

PharmD Honors Research Program Committee Report
Prepared: November 9th, 2020 for November 13th, 2020 Faculty Senate Meeting
2020-2021 Chair: Allison Blackmer

*Committee Members: Allison Blackmer, Peter Rice (past chair), Shaodong Dai (chair elect),
Thomas DeLong, Yee Ming Lee, Uday Kompella, Becky McCullough, Vanessa Phelan*

Summary of Previous Committee Report From 8/21/2020 Faculty Senate Meeting

1. Provided summary of 2019-2020 academic year, chaired by Dr. Peter Rice.
2. Provided list of currently enrolled students in the PharmD Honors Research Program.
3. Reminded faculty that students continue to search for research opportunities.
4. Summarized current ongoing activities, which included:
 - a. Transition to new chair for 2020-2021 academic year
 - a. Update of program documents, creation of Canvas site, creation of program email address sop-pharmd.honorsresearch@cuanschutz.edu, updated documents on website.
 - b. Provided update on current limitations affecting research activities due to COVID-19. Specifically:
 - i. Two issues facing students performing research in labs are: 1) the number of research staff allowed at any one time is limited and we are already at maximal capacity with COVID restrictions, and 2) challenges related to lab training of students with limits on space occupancy and mandated distancing.
 - ii. Due to COVID, the campus position is not to prioritize new student research in labs (other than new PhD students)
 - iii. Dave Ross has tried to emphasize prioritize research that involves a student where faculty have indicated that it is a priority – all are doing their best to allow P4 students that are nearly finished with their projects to continue if at all able to do so.
 - iv. Dave Ross has suggested that **new** honors projects that require lab access be deferred at least for a semester (potentially further depending on how things evolve with COVID)
 - v. ****Faculty are highly encouraged to continue to take students on projects but to think about research that does not require on-site lab work if able. There are many, many excellent and meaningful projects that can be completed remotely.**

Summary of Current Activities

1. Handbook, feedback forms, and Canvas site creation have been completed.
2. Ongoing efforts to organize committee files/documents related to the program and consolidate to one centralized location to make sharing from year to year more streamlined.
3. Ongoing efforts to create committee workflow document delineating Chair and committee responsibilities and charges.
4. Chair presented information regarding the PharmD Honors Research program to faculty (1 faculty meeting, 1 faculty forum), as well as to students (1 presentation to P1s-P3s, 1 presentation to members of student ACCP/Rho Chi chapters)
5. An updated list of students currently enrolled in the program is appended at the end of this document.
6. The committee received 4 new proposals on November 1, 2020 to review for acceptance into the program. Reviews are currently underway.

7. The committee received 1 request from a P3 to defend project in Fall 2020.

Summary of Ongoing/Future Activities

1. Review of new proposals (n=4; comprised of 3 new proposals and 1 response to feedback) submitted on November 1st, 2020 – review to take place over next 4 weeks.
2. One P3 (Austin Saderup), working with Dr. Jen Kiser, will defend his research on November 24th.
3. Upcoming Fall report outs and P3 defense (all are invited and welcome to attend):
 - a. **November 17th: 12-1:30pm**
<https://ucdenver.zoom.us/j/99130302042?pwd=RG1EZlZRRkpGaVFwWWJpWE9uOTE9UT09>
 - b. **November 24th: 12-1:00 pm**
<https://ucdenver.zoom.us/j/92331812138?pwd=ZFRVUnNVM0I2ckhYRDJnRlM4MjVBUT09>
 - c. **December 3rd: 3-4:30 pm**
<https://ucdenver.zoom.us/j/99333447645?pwd=RUxNdmh4S0NHTWdkaVNaN0crWW9ydz09>
4. Chair is working on centralizing information regarding available research projects and/or faculty advisors.

Faculty Ask for New Honors Projects

The ability to perform research is one of the key things students report being excited about as they enter this program. Faculty are encouraged to continue to take students and think outside of the box for meaningful projects that can be offered to students remotely during COVID times.

All faculty will be invited to formal defense presentations. Please consider attending and supporting our students when the time comes.

PharmD Honors Research Program: List of Ongoing Projects (updated 10.27.2020)

Student	Mentor	Project Name	Category	Class
Class of 2021				
Renee Johnson	Nield, Tennis	Mechanism of iloprost-induced inhibition of IL1β expression	Basic science	2021
Stefanie Schwab	Fritz	Examining the Impact of Acetylation on Renal Mitochondrial Isocitrate Dehydrogenase (IDH2) in Diabetes	Basic science	2021
Nicole Osbaugh	Sarah Billups	A Shared Decision-Making Intervention by Pharmacy Students to Improve Statin Adherence	Clinical	2021
Jasmine Pare	Sara Wettergreen	Evaluating the Effectiveness of a Pharmacist-Driven Initiative focused on Appropriate Dosing of Zolpidem in Women	Clinical	2021
Ha Eun (Leena) Park	Sarah Billups	Utilization (or implementation) of DASH diet tool kits by the ambulatory care physicians	Clinical	2021
Jerry Sicalo	Monte/Saben Pete Anderson	Genetics Polymorphisms Modulating Response to Beta Blockers	Basic science	2021
Brooke Smith	Rob MaClaren	Assessments of the Association between Corticosteroid Use and Leukocytosis, Elevated BUN, Hyperglycemia, and Delirium in Critically Ill Patients	Clinical	2021
Elizabeth Ko	Ashley Glode	An assessment of the most commonly used medications to treat neuropathic pain in adult patients with cancer	Clinical	2021
Class of 2022				
Lyra Beltran	<i>Jared Brown</i>	<i>Mas-Related G-Protein Coupled Receptors on Mast Cells</i> <i>**Student has reapplied with new mentor</i>	<i>Basic science</i>	<i>2022</i>
Sarah Amaral	Sarah Billups	Reduction of Emergency Department Utilization for Headache	Clinical	2022
Austin Michael Saderup	Jen Kiser	Correlation between medication regimen complexity and Tenofovir adherence	Clinical	2022
Sol Hee Han	Ashley Glode	Investigation of the efficacy of chemotherapy induced nausea/vomiting (CINV) prophylaxis with FOLFOX/FOLFIRI/FOLFIRINOX treatment	Clinical	2022
Grant Huckels	Peter Rice	Modelling of Carbohydrate Receptor Interactions with Immunoreceptors	Basic science	2022
Laikana Ly	Christine Aquilante	Association between polymorphisms in calcineurin inhibitor pharmacokinetic and pharmacodynamic genes and acute kidney injury following cardiac transplantation	Clinical	2022
William Martinez	Claus/Moore, Carol A. Stamm, MD	Evaluation of Contraception Prescribing using the CDC Medical Eligibility Criteria	Clinical	2022
James Wilson	Jenn Trujillo	Retrospective observational study of the utilization of GLP-1 receptor agonists as adjunct to insulin therapy in patients with type 1 diabetes	Clinical	2022
Aubree Schrader	Heather Anderson (Primary), Laura Borgelt (secondary)	Depression in women who use hormonal contraception	Clinical	2022
Meghna Basnet	Allison Blackmer	Comparison of iron and melatonin for the management of sleep disturbances in children and youth with special healthcare needs (CYSHCN)	Clinical	2022
Dorian Chen	Philip Reigan	Design and synthesis of candidate TP inhibitors and evaluation of TP inhibitor and TMZ combination therapy in GBM (not approved – returned to student for resubmission)	Basic science	2022

Student	Mentor	Project Name	Category	Class
Class of 2023				
Melissa Maffei	David Bain	Reversible Self-Association of Therapeutic Antibodies	Basic science	2023