

Research Division

WELCOME FROM THE DIRECTOR

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Hello and welcome to the Summer Edition of the Department of Family & Community Medicine Research Division Newsletter. Here you will find updates and news on our many projects and community collaborations.

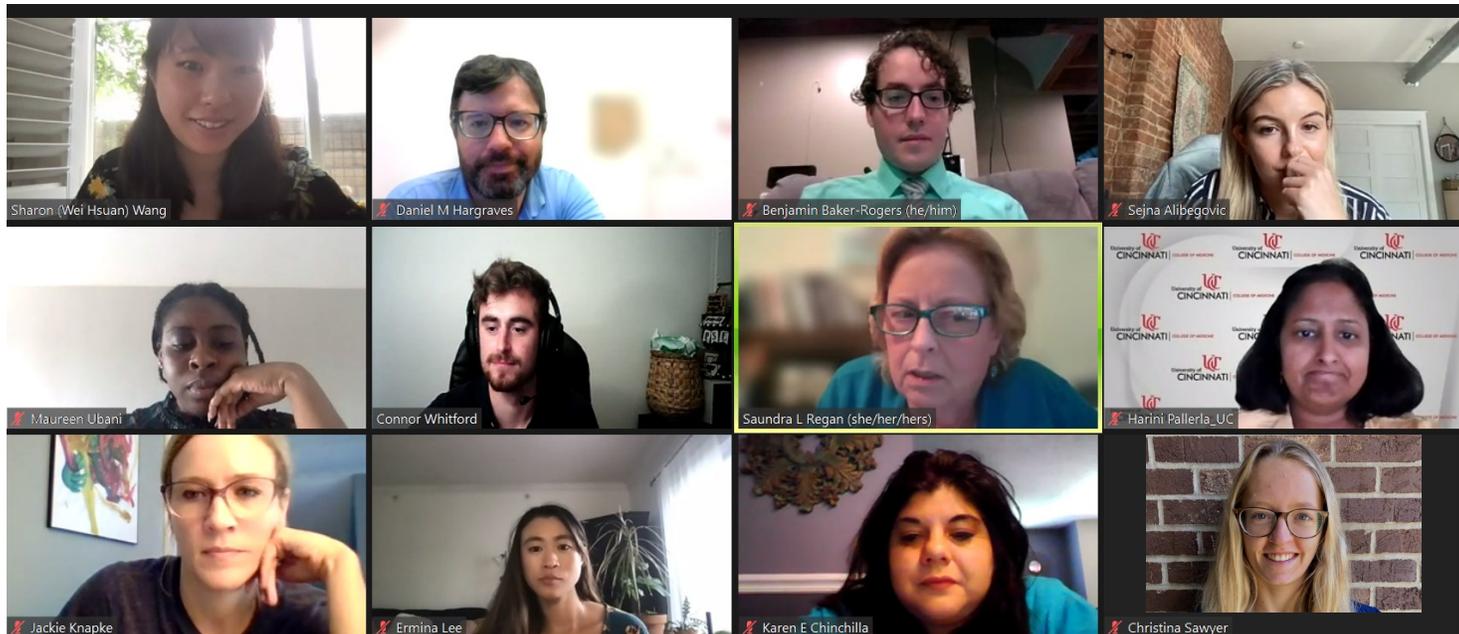
Let us know how we might work together and assist with building your project from grant submission to dissemination.

-Sandra (Soni) Regan, PhD
Director of DFCM Research Division

Research Division hosts student summer program

The Research Division welcomed seven medical students to participate in its summer experience. This summer saw students and division mentors able to return to some in-person meetings and project activities, facilitating another year of strong contributions by the students. This year's projects included: interviewing patients at a federally qualified health center to evaluate a homeless resource map app, analyzing faculty and fellow interviews with Dr. Stryker and Daniel Hargraves, MSW, examining implementation of cervical cancer screening in LGBTQ+ individuals also with Dr. Stryker, identifying best practices in treatment for sleep disorders to improve cardiovascular health with Susan Davis, DO, and evaluating the effectiveness of upstander training within family medicine with Jackie Knapke, PhD and Anna Goroncy, MD, among many other projects. Many students plan to stay connected to their division mentors to draft abstracts to present their work with these projects at national conferences, an ongoing tradition with the program.

The staff and faculty of the Research Division also reintroduced an in-person iteration of their weekly research curriculum. The program features weekly sessions on conducting literature searches, IRB protocols, quantitative and qualitative methods and analysis, and interpreting and disseminating results. The summer experience culminated in a presentation by each student detailing their project and curriculum experience. We are grateful for all the good work and dedication these students bring each summer!



NEW CERTIFICATE PROGRAM AIMS TO ENGAGE THE COMMUNITY IN RESEARCH

Research Division team member Jackie Knapke, PhD, served as lead developer for this new Certificate geared towards graduate students, faculty members, and academic or community researchers who are interested in integrating community engagement into their research design.

Graduates from the Certificate will obtain the skills and resources needed in order to conduct community-engaged research. Topics will include: an overview of community-engaged research and ethics, introductory research methods and dissemination, community psychology, and communicating and translating scientific results to public audiences.

Because CEnR often occurs in under-resourced communities that include people of color, an important new course will be offered on bias in health research, particularly as it relates to racism. The Certificate has been approved by the University of Cincinnati and will begin enrolling students in Fall 2022.

WELLNESS CORNER

By Mary Beth Vonder Meulen, RN

A Different Kind of Water Safety

Most of us think about water safety on trips to oceans and beaches, lakes, and rivers. We load up on sunscreen and don life vests, but we don't always think about Environmental Hazards.

Many disease-causing organisms live in water, including bacteria, viruses, parasites, and plant matter. Pollutants in Ohio lakes, ponds and slow-moving rivers have led to overgrowth of cyanobacteria (blue-green algae). Touching, drinking, or even breathing droplets of contaminated water can result in illness.

Here are some safety tips to use when visiting natural water sources:

- ◆ Do not swallow the water. Keep your mouth closed when in the water.
- ◆ Wash your hands before you eat or drink after playing in the water or in the sand.
- ◆ Cover open wounds with waterproof bandages.
- ◆ Don't swim in water that looks murky or has an odor.
- ◆ Check for warning signs posted around the area or ask a lifeguard.
- ◆ Stay out of the ocean for at least 24 hours after a storm. Avoid places where storm water is released on the beach.

Check alert systems before leaving home.

For U.S. beaches [visit the EPA's website](https://www.epa.gov/beaches).

For Ohio lakes and rivers, [visit the Ohio BeachGuard website](https://www.odh.ohio.gov). There are two types of alerts:

- ◆ **Bacteria Contamination Advisory:** Levels of disease-causing bacteria in the water has reached unsafe levels. Children, the elderly, and those with health conditions are advised not to enter the water.
- ◆ **Recreational Public Health Advisory:** Persons and pets should avoid all contact with the water. Algal toxins have been found at unsafe levels. Do not swim or wade until follow up testing shows the danger has passed.

Information sources:

<https://www.epa.gov/beaches> and <https://odh.ohio.gov>



CARDI-OH

Ohio Cardiovascular and Diabetes Health Collaborative

A new year begins for the statewide collaborative

The Ohio Department of Medicaid-sponsored statewide collaborative known as Cardi-OH will again bring together all of Ohio's schools of medicine to produce provider and patient-centered resources publicly available on <http://cardi-oh.org/>. These resources aim to distill guidelines and best practices in cardiovascular and diabetes care, particularly for those serving Medicaid-eligible patients. A kick-off orientation occurred on August 10th for the current year running to July 31, 2023.

Research Division team members will include Mary Beth Vonder Meulen, RN, Harini Pallerla, MS, Karen Chinchilla, Jackie Knapke, PhD and principal investigator for the University of Cincinnati, Sandra Regan, PhD.

The collaborative will employ working groups to target particular aspects in patient care to produce the resources. Some topics planned for this year's deliverables include:

- *Adverse Childhood Experiences (ACEs) and cardiovascular health
- *Family support and CVD prevention and care
- *Clinical pharmacists and management of cardiovascular risk factors
- *Sleep disorders and cardiovascular risk
- *Environmental factors in cardiovascular disease
- *Lifestyle prescriptions

DISSEMINATION

Posters and Presentations

- JM Ricks, EK Arthur, **SD Stryker**, RA Yockey, AM Anderson, D Allensworth-Davies. A Systematic Literature Review of Community-based Participatory Health Research with Sexual and Gender Minority Communities. 2022 National LGBTQ Health Conference; Chicago, IL.
- Vonder Meulen MB, Regan S**, Winhusen TJ, Dolor R, Mazumder S. Support for Primary Care Physicians Providing Chronic Pain Care: Changes at Practice Based Research Networks, 2016-2020. A poster presentation at the NAPCRG Practice-based Research Network Conference, Bethesda, Maryland, June 2-3, 2022.
- Knapke JM**, Hildreth L, Schuckman SM, Mendell A, Blackard JT, Lee RC, Molano JR, Johnstone M, Lamkin M, Koprass EJ, Kues JR. “Andragogy in Practice: Applying a Theoretical Framework to Team Science Training.” International Network for the Science of Team Science (INSciTS), Virtual, August 2022. (Presenter, Lightning Talk)
- Fritter J, Jones CT, Kolb HR, Pullum C, Carter KC, Browning S, Fitz-Gerald M, Marchant M, Snyder D, Mendell A, **Knapke JM**, Petty M. “Academic Medical Center Clinical Research Professional Recruitment, Retention and Diversity.” Translational Science Annual Meeting, Chicago, IL, April 2022. (Co-author, Poster)
- Knapke JM**, Kolb HR, Freel S, Fritter J, Helm S, Jenkerson M, Jester P, Jones CT, Mendell A, Petty M, Tsao P. “Barriers to Effective Clinical Research Professional (CRP) Education and Competency Development: A Qualitative Analysis of Data from a National UnMeeting Series.” Translational Science Annual Meeting, Chicago, IL, April 2022. (Presenter, Poster)

Publications

- Ricks, J.M., Arthur, E., **Stryker, S.D.**, Yockey, R.A., Anderson, A.M., Allensworth-Davies, D. A Systematic Literature Review of Community-based Participatory Health Research with Sexual and Gender Minority Communities. Accepted for publication in Health Equity.
- Blackard JT, **Knapke JM**, Ryan PH, Schuckman SM, Veevers J, Hardie J, Heubi JE. Research 101: An online series introducing medical students to research. Manuscript accepted by Journal of Clinical & Translational Science, July 25, 2022.
- Kues JR, **Knapke JM**, Mendell A, Hildreth L, Elshaer S, Schuckman SM, Wijesooriya J, Butsch Kovacic M. “COVID-19 Vaccine Hesitancy: Understanding Community Perceptions of the COVID-19 Vaccines.” Manuscript accepted by International Journal of Environmental Research and Public Health. E-pub ahead of print June 19, 2022.
- Knapke JM**, Snyder DC, Carter KC, Fitz-Gerald MB, Fritter J, Kolb HR, Marchant M, Mendell A, Petty M, Pullum C, Jones CT. Issues for Recruitment and Retention of Clinical Research Professionals at Academic Medical Centers: Part 1 – Collaborative Conversations UnMeeting Findings. Manuscript accepted by Journal of Clinical & Translational Science. E-pub ahead of print June 3, 2022.
- Knapke JM**, Jenkerson M, Tsao P, Freel S, Fritter J, Helm SL, Jester P, Kolb HR, Mendell A, Petty M, Jones CT. Academic Medical Center Clinical Research Professional Workforce: Part 2 – Issues in Staff Onboarding and Professional Development. Manuscript accepted by Journal of Clinical & Translational Science. E-pub ahead of print June 3, 2022.
- Brammer S, **Regan S**, Collins C, Gillespie G. Developing Innovative Virtual Reality Simulations to Increase Health Care Providers’ Understanding of Social Determinants of Health. Journal of Continuing Education in the Health Professions. 42 (1):60-65, Winter 2022.
- Knapke JM**, Kolb HR, Freel S, Fritter J, Helm S, Jenkerson M, Jester P, Mendell A, Petty M, Tsao P, Jones CT. Barriers to Effective Clinical Research Professional (CRP) Education and Competency Development: A Qualitative Analysis of Data from a National UnMeeting Series. Manuscript under review by Journal of Clinical & Translational Science, March 2022.
- Knapke JM**, Fritter J, Kolb HR, Pullum C, Carter KC, Browning S, Fitz-Gerald M, Marchant M, Snyder D, Mendell A, Petty M, Jones CT. Barriers to Effective Clinical Research Professional (CRP) Recruitment and Retention: A Qualitative Analysis of Data from a National UnMeeting Series. Manuscript under review by Journal of Clinical & Translational Science, March 2022.
- Knapke JM**, Hildreth L, Lamkin M, Schuckman SM, Mendell A, Blackard JT, Lee RC, Molano JR, Johnstone M, Lamkin M, Koprass EJ, Kues JR. Andragogy in Practice: Applying a Theoretical Framework to Team Science Training. Manuscript under review by Journal of Clinical & Translational Science, March 2022.

Research Directory

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Dedicated full-time staff members with over 50 years of cumulative experience provide full project support from assisting in design and implementation to analysis and evaluation. The division offers expertise in:

- Project Management
- Data Management
- Grant Writing
- IRB Protocols
- Statistical Analysis
- Data Collection Methods
- Project Reports
- Manuscript Development, Writing and Editing
- Research Nurse
- Qualitative Research



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