Faculty Highlights 2022

December 2022

Publications

Presentations


Honors/Awards
Keri Hager was named to the Academy for Excellence in Clinical Practice. The academy serves as the highest recognition of excellence in the practice or provision of clinical care by a full time faculty member. Other incoming Academy members include Marshall Hertz Internal Medicine Medical School, Jody Lulich Internal Medicine School of Veterinary Medicine, Paul Tuite
Neurology Medical School.

**Community Outreach**
COVID-19/Influenza vaccination clinic at CHUM November 29, 2022. 21 COVID-19 vaccines administered, 9 influenza vaccines administered, 30 socks distributed. 30 vaccine education interactions.

**Grant Awards**
Nam Chul Kim (PI) Whole brain single-cell transcriptome analysis in a Drosophila model of amyotrophic lateral sclerosis and frontotemporal dementia, Wallin Neuroscience Discovery Fund ($128,000)

**November 2022**

**Community Outreach**
COVID-19/Influenza vaccination clinic at the Center for Alcohol and Drug Treatment.

**Presentations**


Demerath E, Hotop A, and Anderson GW. University of Minnesota Rural Collective. Presentation and discussion of the University of Minnesota Driven to Discover (D2D) initiative to bring data collection efforts to rural county fairs in Minnesota.


Nam Chul Kim, CHCHD10S59L-induced ALS-FTD and potential therapeutics, CODR Research Conference, University of Minnesota, College of Pharmacy, Nov. 3, 2022.


**Okoro O (Panelist).** Owens M, Thomas B. Part I of a 3-part vaccine mini-series: The Vax

**Okoro O** *(Interviewee)* College of Pharmacy, MNovationRx Showcase: "The Road to Inclusivity: Our work in building equity in education and health". Broadcast of pre-recorded interview and livestream event on October 31, 2022.


**Okoro O** *(presenter)*. Supporting BIPOC students across the continuum of pharmacy training - What DEI looks like from over here! American Public Health Association annual conference. November 06 – 09, 2022 | Boston MA. *(Podium)*


**Okoro O** *(presenter)*. Implicit bias in Healthcare: What our patient cases and clinical notes tell us... about us! American Public Health Association annual conference. November 06 – 09, 2022 | Boston MA. *(Roundtable)*

Singhal C *(student presenter)*, **Okoro O** *(author)*, Aremu T. Assessing public awareness of the malaria vaccine in India – Who knows and who needs to know? What our patient cases and clinical notes tell us . . . about us! American Public Health Association annual conference. November 06 – 09, 2022 | Boston MA. *(Podium)*


**Honors/Awards**  
Kerry K. Fierke will be the CoP 2023 AACP Alternate Faculty Delegate. She will serve in this role January 1st through December 31, 2023, and then assume the role of Faculty Delegate for 2024.

**Grant Awards**  
**Moniz R** *(Co-I and grant writer, student pharmacist class of 2023)*, **Stenehjem D** *(Co-I)*, Hanna K (PI), Pharmacist Intervention in Oral Chemotherapy: Minimizing Toxicity with Telemonitoring and the PRO-CTCAE™. Hematology Oncology Pharmacy Association. Research Award $34,500

**October 2022**
Publications


Presentations

Nam Chul Kim, Liquid-liquid phase separation in amyotrophic lateral sclerosis and fromtotemporal dementia, Oct. 10, Mokpo National University, Mokpo, Korea (online)


Anderson, GW, Palombi L, Katras MJ. (October 6, 2022). The power of partnerships: The ripple effects. University of Minnesota Extension All Program Conference. Duluth MN

Palombi L. (October 3, 2022). Naloxone to Reverse Opioid Overdose. Human Development Center All-Staff Training. Duluth, MN. (zoom)

Palombi L. (September 28, 2022). Naloxone to Reverse Opioid Overdose. Lake Superior College Student Wellness Day. Duluth, MN. (zoom)


Grant Submissions
Olson AW (PI). Peterson AL, Bradley K, Strasser M. (Jun 2023-Jun 2026) National Institute for Medical Respite and Recuperative Care – Behavioral Health Integration in Medical Respite Care for People Experiencing Homelessness. $400,000
Nam Chul Kim (PI) and Daryl Gohl (co-PI), Wallin neuroscience discovery fund, $100,000, Whole brain single-cell transcriptome analysis in a Drosophila model of amyotrophic lateral sclerosis and frontotemporal dementia

Nam Chul Kim (PI), NINDS, $1,937,500, Molecular mechanisms of CHCHD10 S59L-induced amyotrophic lateral sclerosis and frontotemporal dementia

Grants Awarded
Grant Anderson and Abby Gold (PI) 10/30/2022-2/28/2023
University of Minnesota Extension Foundation through USDA $10,000
Title: Education supported COVID-19 vaccination clinics in partnership with Opioid Treatment Programs in Minnesota and Wisconsin.

Grant Anderson (PI) 7/30/2022-6/28/2023
Our Community Our Health through CDC $18,000
Title: Education supported COVID-19 vaccination clinics in partnership with Opioid Treatment Programs in Minnesota and Wisconsin.

September 2022

Publications


Presentations
Fierke, K. K. & Lepp, G. A. Difficult conversations and conflict management: 3 strategies to help you enjoy your rotation (even more). Palmetto Experiential Education Partnership (PEEP)
Preceptor Development Series, University of South Carolina College of Pharmacy and Medical University of South Carolina, Virtual, August 2022.


Appiah-Num A. (author/presenter), **Okoro, O. (author).** Challenges in the Integration of Clinical Pharmacy Practice in Patient Care in Ghana. 80th FIP World Congress of Pharmacy and Pharmaceutical Sciences · Seville, Spain. September 18 – 22, 2022. [Poster presentation]

**Okoro O.** (Invited speaker). Racism & Inequities in Healthcare - What we know and what we can do. Generations Health Care Initiatives Board of Directors Annual Meeting. September 15, 2022

**Community Engagement**

St. Louis County Public Health, Lighthouse Center for Vital Living, Our Community Our Health, and **Grant Anderson** hosted COVID-19 vaccine clinics at the Center for Alcohol and Drug Treatment (August 31) and the University of Minnesota COVID-19 vaccine clinic (August 29). 40 COVID-19 vaccine doses administered and over 100 people engaged in vaccine education activities.

**Grant Submissions**

NIH Clinical and Translational Science Award RC3 mechanism (high impact interdisciplinary science). This is a pre-proposal for internal selection by the UMN CTSA. The UMN is allowed 2 RC2 submissions and only institutions with CTSAs are allowed to compete for these grants. *Enhancing University Research Engagement with Rural Communities.* Principal Investigators: **Grant Anderson,** Ellen Demerath, Carrie Henning-Smith, Cathy McCarty, Logan Spector
The critical gap this project aims to address is outreach to rural Minnesota and increased representation of rural residents in research. This infrastructure resource would provide a unique opportunity for active engagement and communication between UMN researchers and rural residents.

**Awarded Grants:**

**Palombi & Hager**, Consultants:

1H79TI085594-01 Park-Mroch, J (PI)  
SAMHSA $650,000  
Title: Training and technical assistance addressing opioid and stimulant misuse affecting rural communities in the Great Lakes Region Collaborative project with the University of Minnesota, University of Illinois, Purdue University, Michigan State and University of Wisconsin (PI).

The proposed project builds upon three years of work by University of Minnesota Extension and its partners, funded by three separate but complementary grants. The overarching goal of the three current grants is to identify areas for improvement that will support sustained recovery, reduce opioid and stimulant abuse/misuse, promote evidence-based public health practice, treatment and harm reduction, and create/deliver educational resources in response to those identified areas of improvement.

**August 2022**

**Publications**


**Presentations**

Janetski B, Ray ME, Martin BA, Lebovitz L, **Stratton TP**. “Calling All Villagers! How a Team-based and Data-driven Academic Early Warning System Should Work.” American Association of Colleges of Pharmacy Special Session. Pharmacy Education 2022 - Annual Meeting of AACP, Grapevine, TX; July 25, 2022. (Invited panelist.)

**Sunna Mujtева** and **Amanda Klein**. “ATP-Sensitive potassium channel subunit expression in naïve and opioid tolerant mice.” Chemistry and Biochemistry Summer Undergraduate Research Program (SURP) and Biology Undergraduate Research in Science and Technology (BURST) Poster Fair. University of Minnesota. Aug 5, 2022

Minwoo Baek, Yun-Jeong Choe, Nam Chul Kim “FDA-approved PDE4 inhibitors reduce the dominant toxicity of ALS–FTD-associated CHCHD10S59L in Drosophila and human cells”, International research conference on neurodegenerative diseases 2022, Omaha, Nebraska, July 19, 2022 (invited speaker)


Nam Chul Kim “Modeling neurodegenerative diseases using Drosophila melanogaster”, Summer Lecture Series, Harbin Institute of Technology, China (online), Aug 7-8, 2022


Okoro, O., Jonkeman L., Sias, J. Preparing Pharmacists for a Diverse World: Incorporation of Patient Populations into Clinical Cases and Beyond. AACP Annual Conference. Grapevine TX. July 25, 2022. [Invited Speaker]


Honors/Awards
Olson AW. Research on Emerging Areas Critical to Human Health (REACH/NIH L70) – National Institutes of Health, National Institute of Drug Abuse ($100,000 of educational loans repaid over 2 years)
Palombi, L (PI, Project Director), Wirta, A (Co-I). A Partnership with the Grand Portage Tribal Nation in Opioid-Focused Prevention, Treatment and Recovery. Funder: HRSA  Amount: $1,000,000.00  Dates: 9/1/2022-8/30/2025
Summary: The proposed project involves a diverse consortium of individuals and agencies with a deep dedication to supporting culturally-appropriate opioid-focused prevention, treatment and recovery with the Grand Portage Band of Lake Superior Chippewa, the Sawtooth Mountain Clinic, and Cook County Public Health. The consortium includes Grand Portage professionals and community members, Sawtooth Mountain health professionals and treatment professionals, a diverse group of social scientists, recovery professionals, and community educators who focus on harm reduction.

Jacob Brown was elected President-Elect of the ACCP PK/PD/PG PRN for 2022-2023

Community engagement
St. Louis County Public Health, Lighthouse Center for Vital Living, Our Community Our Health, and Grant Anderson hosted COVID-19 vaccine clinics at the Center for Alcohol and Drug Treatment (July 26), South St Louis County Fair (Proctor, MN July 27-29), North St Louis County Fair (Chisholm, MN August 3-5), and Central St Louis County Fair (Meadowlands, MN August 21). 114 COVID-19 vaccine doses administered and over 350 people engaged in vaccine education activities.

July 2022

Publications


Presentations
Okoro, Olihe. (Invited Speaker) Race in Patient Cases - To do or not to do? Lunch & Learn Series. Virginia Commonwealth University, School of Pharmacy. June 23, 2022. (via zoom)


June 2022

Presentations


Okoro, O. Addressing Health Equity and Diversity through the Pharmacy Lens. Invited speaker at the American Public Health Association (APHA) Pharmacy Section Midyear Meeting. June 08, 2022 [via zoom].

Okoro, O. Inclusion of race/ethnicity in patient cases – To do or not to do. Invited speaker at Midwestern University Faculty Development Webinar. June 15, 2022 [via zoom].

Honors/Awards
Tim Stratton’s Big 10 Pharmacy Assessment Collaborative team received the AACP Assessment SIG’s Collaborative Publication Award for their Commentary: “Academic Early Warning and Intervention Takes a Village.” (Am J Pharm Educ. 2022(April 1). Article 8743). Co-authors B Janetski (WI), ME Ray (IA), MC Higginbotham (OSU), L Lebovitz (MD), BA Martin (WI)

Grant Submissions
Klein, Amanda H (PI), “Development of novel KATP Channel Prodrugs as Analgesics to Treat Chronic Pain.” National Institute of Neurological Disorders and Stroke. Total: $1,158,101, Direct: $750,000 (Submitted)
Kim, Nam Chul (PI), “Ubiquitin dependent pathways in amyotrophic lateral sclerosis and frontotemporal dementia”, NIA/NINDS. Total: $426,251, Direct: $275,000 (Submitted)

May 2022

Publications

**Little MM**, Johnson L, **Hager K**. A discussion of White fragility to facilitate cultural competence development in a foundations of pharmaceutical care class. *Currents in Pharmacy Teaching and Learning*. Published online May 18, 2022. doi:10.1016/j.cptl.2022.04.001


**Medina, S** (Graduate Student) (Lead Author), **Hager, K. D.**, Elstad, B., **Tomaszewski, R.** (Trainee), Becher, E., **Van Deelen, A.** (Trainee), **Chen, N.** (Trainee), & **Palombi, L.** Relentless Stigma: A Qualitative Analysis of a Substance Use Recovery Needs Assessment. *Substance Abuse: Research and Treatment*. [In press: 2022]

Presentations


**Hager, K. D.**, LaTulip, J., LaRue, O., Care Coordination Roundtable, "Helping Patients with Addiction...While Helping Yourself Get Through the Day," Wilderness Health, [Zoom], Minnesota. (May 19, 2022).


**Okoro, O.** (panelist). “BIPOC healthcare providers and their experiences navigating the healthcare realm and their identity”. Panel co-hosted by the University of Minnesota BIPOC Health
Professional Student Collective and Physical Therapy Diversity, Equity, and Inclusion club. Via Zoom. (April 21, 2022)

**Okoro, O.** (Collaborator/Co-convener) Health Equity Summit - “Examining the Issues and Promoting Solutions”. Via Zoom. (May 18, 2022)


**Honors/Awards**
Heather Blue has been promoted to Associate Professor. Congratulations Heather!

Trang Dang (advisor David Stenehjem) was awarded the 2022 Annette Boman Women’s Fellowship Award for 2022 ($4000)

Laura Palombi’s team of authors was awarded the AACP Substance Use Disorder SIG Best Paper Award for their paper: Skrabal, M., Koh-Knox Sharpe, C., Palombi, L., Tiemeier, A., Walker, P., Devine, T., Spencer, S., Coover, K., & Tran, T. **A Multi-Site Qualitative Study Examining Student Perspectives of the Opioid Crisis.** American Journal of Pharmaceutical Education Apr 2021, 8515; DOI: 10.5688/ajpe8515.
Jared Van Hooser was voted as professor of the class 2022 (Duluth)

Jared Van Hooser was voted as professor of the semester, class of 2024 (Duluth)

Katie Oja was voted as P1 professor of the year (Duluth)

Grant Submissions
Nam Chul Kim: UMN Grant-in-aid (Bridge), awarded, $30,000, from July 2022 to Jan 2024. Mitochondrial pathogenic pathways in amyotrophic lateral sclerosis and frontotemporal dementia

Amanda H Klein (PI, submitted): DoD, “Metabolomic analysis of diabetic rodents and non-human primates to improve the understanding of the basic mechanisms of neuropathic pain” January 2023-December 2026
Total: $2,180,558; Direct: $1,408,770

April 2022

Publications


Presentations


Okoro, O. Cultural & Structural Competency Workshop for Phillips Neighborhood Clinic (PNC) Interprofessional student volunteer workforce [Pharmacy, Medicine, Occupational therapy, Physical therapy, Public Health, Nursing, Social Work, etc.] Cohort 1 (n = 65) - March 16, 2022

Okoro, O. Cultural & Structural Competency Workshop for Phillips Neighborhood Clinic (PNC) Interprofessional student volunteer workforce [Pharmacy, Medicine, Occupational therapy, Physical therapy, Public Health, Nursing, Social Work, etc.] Cohort 2 (n = 84) - March 21, 2022

Okoro, O. Diversity, Equity & Inclusion (DEI) in Case-based Learning & Experiential Education.
University of Minnesota, College of Pharmacy Clinical Seminar Series. April 13, 2022.

Honors/Awards
Dr. Heather Blue was appointed onto the St. Louis County Opioid Remediation Settlement Committee.

Dr. Heather Blue was elected Minnesota Society of Health Systems Pharmacists -Arrowhead Chapter President-Elect for 2022-2023.

The College of Pharmacy, Duluth received the St. Louis County Public Health Partnership Award.

Sunna Mujteba (undergraduate) was awarded a Summer Undergraduate Research Program Award to work in the lab of Dr. Amanda Klein (2022)

Marissa Harle (PD1) was awarded a Summer Melendy Research Scholarship to work in the lab of Dr. Amanda Klein (2022)

Nyika Friberg (YR1 Medical Student) was awarded a Summer Research Program Award to work with Olihe Okoro (2022)

Media Contributions


Stenehjem DD [Podcast] “A Closer Look Into the New Pharmacogenomics Accelerator Program” ASHP Podcasts-Innovation Friday. Broadcast Date: April 8, 2022

March 2022

Publications
Erstad BL and Stratton TP. The Importance of Teaching Ethics in Pharmacy Education. Am J Pharm Educ. 2022(Feb);86(2). Article 8503. DOI: https://doi.org/10.5688/ajpe8503.


Presentations
**Fierke, K. K.** Navigating the wilderness: Tales of leadership. Presbyterian College School of Pharmacy. Clinton, SC, February 2022.

**Fierke, K. K.** Adapting to changing environments. Presbyterian College School of Pharmacy. Clinton, SC, February 2022. Workshop.

**Fierke, K. K.** Establishing a team-focused thriving climate. Presbyterian College School of Pharmacy. Clinton, SC, February 2022. Workshop.

**Palombi, Laura.** Testimony in support of House File 2768 (Senate File 2678), Minnesota House of Representatives Health, Finance and Policy Committee. Medication Administration & External Monitoring Device Placement, March 8, 2022. The bill would allow pharmacists to administer prescribed injectable medications through subcutaneous (SQ) or intramuscular (IM) routes and allow pharmacists to place external drug monitoring devices on patients.


**Okoro, O., Paleyo-Woodward, S., Han, I., Onchwari, J.** “Finding sisterhood in a distant land”: Community-based Social Support that enhances Well-being for Women of Color in Academia. UMD Summit on Equity, Diversity & Race. March 02, 2022

**Okoro, O., Paleyo-Woodward, S., Han, I., Onchwari, J.** “Finding sisterhood in a faraway land”: Community-based Social Support critical for Well-being of Women Faculty of Color. Keeping our Faculty Symposium, Institute for Diversity, Equity, and Advocacy (IDEA), University of Minnesota. March 04, 2022.

**Okoro, O.** Implicit bias in Healthcare: What our patient notes tell us… about us!. COP Residency Academic Day. March 11, 2022

**Honors/Awards**

Association of Colleges of Pharmacy (AACP) - 2021-2022 AACP Leadership Development Special Interest Group Best Poster Award, for the poster entitled, "Teaching Conflict Management: Customizing Content to Increase Value, Confidence, and Ability during a Pandemic."

Kim Jones, PharmD, BCPS - Union University College of Pharmacy;

**Kerry K. Fierke**, EdD - University of Minnesota College of Pharmacy; and

**Gardner A. Lepp**, PhD - University of Minnesota College of Pharmacy

*The LD SIG Poster Award recognizes a recently presented Leadership Development-related poster demonstrating excellence.*

**Laura Palombi** is the recipient of the “Pharmacy Alumni Society 2022 Mentor of the Year Award.”
**February 2022**

**Publications**


Aremu TO, Ajibola OA, Oluwole OE, Adeyinka KO, Dada SO, Okoro ON. Looking beyond the malaria vaccine approval to acceptance and adoption in sub-Saharan Africa. *Frontiers in Tropical Diseases.*:22. doi: 10.3389/fitd.2022.857844

**Presentations**
Olson AW. The place of medical respite in the continuum of care for homelessness: The Bob Tavani House for Medical Respite. WDSE Almanac North (February 25, 2022)

Palombi, L. C., Program in Health Disparities Research Health Equity Series (Zoom), "The University’s Role in Substance Use Disorder Leadership Post-COVID: Using Qualitative, Community-Based Input to Steer Our Efforts," University of Minnesota Medical School (February 8, 2022).

Palombi, L. C., Gurno, M., Bilden, B., Duluth Clean and Safe Naloxone Training, "Naloxone to Reverse Opioid Overdose," Duluth Greater Downtown Council, Duluth, Minnesota. (February 9, 2022).

Palombi, L. C., Gurno, M., Port and Bethel Treatment Facility Naloxone Training (Zoom), "Naloxone to Reverse Opioid Overdose," Port and Bethel SUD Treatment Facilities, Duluth. (February 7, 2022).

Grant Submissions

Integrating Behavioral Health Services and Medical Care at the Bob Tavani House for Medical Respite Care in the COVID-19 Era. Olson AW (PI) Centers for Disease Control Foundation and United Health Care: $120,000 - AWARDED

A Community Integrated Referral Platform in a Rural Health System for Supporting Patients Seeking Support for Social Determinants of Health Needs. Kuenstler E, Olson AW (Co-PI), Waring S, Harry M. Blue Cross Blue Shield of Minnesota and UCare: $175,000 - AWARDED

Clinic-Randomized Trial of Clinical Decision Support for Opioid Use Disorder in Medical Settings. Rossom R et al, (Olson AW EH Site Co-PI). National Institute on Drug Abuse (NIDA). $6.8 million - AWARDED

“Patch Clamp Electrophysiology Set-up” Klein AH (PI). Grant-in-Aid of Research, Artistry and Scholarship program. University of Minnesota. $50,000

January 2022

Publications


Presentations


Grant Submissions

Submitted:


Awarded:

**Merredy (PI), Stenehjem (Co-I).** “Niclosamide or Pyrvinium and BAY-876 as a Combination for Triple Negative Breast Cancer Treatment.” Whiteside Institute for Clinical Research. Submitted Nov 5th, 2021. Total amount: $15,000.

Courtney Paetznick (Pharmacy Resident Investigator), **Jacob Brown** (Senior Investigator). Assessing the impact of integrating a pharmacogenomics-trained pharmacist into the care team serving pediatric patients with sickle cell disease. ASHP Foundation Resident Research Grant Program. Award: $5,000; Children’s Minnesota.