Faculty Highlights 2021

December 2021

Publications

Presentations


Brixiner, D.I., Oderda, G., Stenehjem, D. D (Panelists). “A Deeper Dive into Data Sources and Quality of Life in Real World Evidence Studies” Presentation for World Wide Medical Science Oncology Liaisons, Bristol Meyer Squibb. Webinar. December 6, 2021


Grant Submissions
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.

November 2021

Grant Submissions
Addressing Vaccine Hesitancy in Rural America Using a Community-Engaged Approach. NIH R01. **Laura Palombi PL**, Cathy McCarty PL, Mary Jo Katras Co-I, Milton Eder Co-I, Raymond Christensen Co-I, Ryan Harden Co-I, **Grant Anderson Co-I, Meg Little Co-I**

**Publications**


**Presentations**

**Fierke, K. K.** & Maxwell, W. D. Leveraging the leadership resources of today to create a leadership legacy for tomorrow. American Association of Colleges of Pharmacy Academic Leadership Fellows Program. Herndon, VA, November 2021.


**Palombi, L. C.** (Panelist), University of Minnesota Mini Medical School: Health and Wellness During a Pandemic (virtual), "The Impact of the Pandemic on Opioid Use Disorder," Office of Academic Clinical Affairs. (November 1, 2021).

**Palombi, L. C.,** Gurno, M., Bilden, B., Minnesota Student Nurses Association Training (virtual), "Naloxone to Reverse Opioid Overdose," Minnesota Student Nurses - University of Minnesota. (October 2021).


**Palombi, L. C.** (Author & Presenter), Bilden, B. (Author & Presenter), St. Louis County Housing Training (zoom), "Naloxone to Reverse Opioid Overdose," St. Louis County Housing. (November 10, 2021).

**Palombi, L. C.** (Author & Presenter), Bilden, B. (Author & Presenter), UMD Medical School and Pharmacy School Training (in person and zoom), "Naloxone to Reverse Opioid Overdose," UMD medical school. (November 9, 2021).


Hager KD. Stop Harming our Patients: Busting Common Myths and Misconceptions about Medications for Opioid Use Disorder. Minnesota Pharmacists Association Annual Learning and Networking Event. November 18, 2021. [Zoom]

Hager, KD, Blue H, Palombi LC. Rising to meet the need: strategies to better support patients with mental health and substance use disorders across Minnesota. Minnesota Pharmacists Association Annual Learning and Networking Event. Nov 18, 2021. [Zoom]

Hager, KD. Medications for Opioid Use Disorder (MOUD): Talking with clients, families, & colleagues about fact vs. fiction. St. Louis County Housing. Funded by SAMHSA Technical Assistance Award 1H79T108900-01. Nov 10, 2021. (via live Zoom)

Hager, KD. Medications for Opioid Use Disorder (MOUD): Talking with clients, families, &
colleagues about fact vs. fiction. St Louis County Health & Human Services. Funded by SAMHSA Technical Assistance Award 1H79T108900-01. Sep 14, 2021. (via live Zoom)


Hanson B, Ribeiro NR, **Anderson GW**. Comparative RNA-seq Analysis of Fetal/Neonatal Iron Deficient and Thyroid Hormone Deficient Neonatal Rat Brain and Liver. American Thyroid Association Annual Meeting, September 29-October 3.

**October 2021**

**Publications**


**Presentations**

**Amanda Klein.** “K$_{ATP}$ channels as targets for neuropathic pain in a mouse model of type 2 diabetes.” International Association for the Study of Pain NeuPSIG Data Blitz. October 4th, 2021. Podium presentation. [Via Zoom]

**Stenehjem, DD.** “Real world evidence generation in oncology drug development” SAPH Seminar, University of Minnesota, College of Pharmacy., Sept 23rd [Zoom].


Okoro O. Beyond Social Determinants of Health. Duluth Family Medicine Residency Seminar. October 18, 2021 [Virtual - via Microsoft Teams]

Okoro O. Community-engaged COVID-19 Research: Context, Challenges and Conquests. SAPH Seminar, University of Minnesota, College of Pharmacy. October 14, 2021 [via Zoom].

Honors/Awards
St. Louis County’s Public Health COVID-19 Response and Recovery Funding for Community Engagement. Okoro in collaboration with Community partners (Healthy Alliances Matter for All & Wilderness Health Partners). Total: $200,000

Grant Submissions
Targeting Tumor Metabolic Heterogeneity in Metastatic Triple Negative Breast Cancer.
Department of Defense. PI: Meredy, Co-I’s Rumbley and Stenehjem. Direct $750,000; Indirect $412,500; Total $1,162,500

September 2021

Presentations
Jared Van Hooser presented Reducing Residual Risk: Assessing the Role of Omega-3s in Patients with Dyslipidemia at the Essentia Health Resident Noon Conference on September 20, 2021. [Microsoft Teams].


Media

August 2021

Publications


Presentations
Barnett S., Gallimore C., Begley K., Van Hooser J. Better Together: Supporting Pharmaceutical


Anderson, GW. County fair vaccine hesitancy community engagement. (South St. Louis, North St. Louis, Central St. Louis County Fairs; July 30/31, August 6 and 20)


Honors/Awards
Jacob Brown elected as the Treasurer/Secretary for the ACCP PK/PD/PG PRN.

July 2021

Publications

*This article is composed of supplementary data supporting the research article entitled “Real-world outcomes of immunotherapy-based regimens in first-line advanced non-small cell lung cancer” Published previously in Lung Cancer.

Presentations


Nelson Albee J, MacDonald D, Wall J, Yapel A, Hager KD. Bridging Communication Between Primary Care and Community Mental Health: Optimizing Patient Care and Resident Learning. Society of Teachers of Family Medicine Annual Meeting. May 2021 [via recorded Zoom]

Hager, KD. Latimore M, Villa J. Medications for Opioid Use Disorder (MOUD): Talking with clients, families, & colleagues about fact vs. fiction. Center for Alcohol and Drug Treatment Annual Staff Training. Duluth, MN. July 13, 2021


Blue, H. Opioid Prescribing; MN Board of Nursing Approved Opioid 2-hour CE. (Live Zoom) APRN Coalition. (July 15th).

Grant Submissions Awarded:

Stenehjem, D (PI). University of Utah (Prime: AstraZeneca), “Patient Reported Outcomes in Acute Myeloid Leukemia.” Funded Amount for Entire Grant Period: $286,809.00. Subcontract amount is $44,000 ($15,521 indirects)


Stenehjem, D (PI). University of Utah (Prime: Novartis), "Analysis of clinical and economic
outcomes in intermediate to high-risk myelodysplastic syndrome, a cohort study”. Funded. Funding Dates: January 2021 - December 2021. $324,452.00. Subcontract amount $45,000 ($15,852 indirects)

Nam Chul Kim (PI). American Heart Association, Project Title: Liquid-liquid phase separation in mitochondria, Funded, Award Number: 19IPOI34760154-COVID Relief Supplement Funding, July 2021 - June 2022. Amount $45,455 (direct, no indirects)


June 2021

Publications


Abstract/Conference Presentations


Presentations


Okoro, O.N. (Keynote Speaker). Racism as a Public Health Problem. Dakota Conference on Rural and Public Health (via zoom). (June 4, 2021)


Blue, H. Opioid Prescribing; MN Board of Nursing Approved Opioid CE. (Zoom) APRN Coalition. (June 12th).

Stenehjem D.D. (Panelist). “Impact of Real World Evidence on Clinical Practice” (Virtual) Presentation for World Wide Medical Science Oncology Liaisons, Bristol Meyer Squibb (June 21st, 2021)


Media
Olihe Okoro featured in the Duluth News Tribune. Inside a grassroots effort to vaccinate Black
Honors/Awards

Olihe Okoro selected to join the 2021-2022 cohort of Engaged Scholars as part of its Engaged Scholars Initiative. The Engaged Scholars Initiative, now in its second year, aims to develop a diverse group of early-career faculty and staff who can lead equity-focused change at their institutions and in communities.

Olihe Okoro selected as a 2021 Health Disparities Research Institute Scholar. The Health Disparities Research Institute is scheduled to take place August 9-13, 2021.

Grant Submissions

Awarded

(Selected for funding/Pending administrative review)

1R01DA051876-01A1
PI: Amanda Klein
NIH/NIDA

$K_{ATP} Channels as Downstream targets of adenylyl cyclases during opioid tolerance and withdrawal$
Budget: $3,261,264

Health Professional Clinical Training Expansion Grant Program

PI: Pam Jacobson; Co-I: Jacob Brown
Budget: $300,000
Minnesota Department of Health
Office of Rural Health and Primary Care

Faculty Mentor Award Program

Mentor: Olihe Okoro | Mentee: Akua Appiah-Num
Budget: $5,000
University of Minnesota
Center for Global Health & Social Responsibility
Project: Pharmacists’ involvement in the chronic management of hypertension in Low-Income Developing Countries (LIDCs): A Case Study of Ghana

2021 Research Infrastructure Investment Program

Co-Is: Ruifeng Cao, Amanda Klein
University of Minnesota
Office of the Vice President for Research
#511766
“Duluth Imaging Center Upgrade”
Budget: $277,000

May 2021
Publications


*Co-senior author and corresponding author
*Featured in the journal Highlights section (only four articles per issue are chosen)


Presentations

Drs. Blue and Palombi presented Opioid Use Disorder: Public Health Perspectives and Clinical Treatment Applications at the Minnesota Society of Health Systems Pharmacy Annual Meeting on April 22, 2021. [Zoom].

Dr. Brown presented “Is it time to pay attention to genetic testing results when prescribing stimulants?” at the Pediatric Academic Society Annual Meeting on May 2nd, 2021.


Palombi, L. C., Dooley (Graduate), University of Minnesota Center for Bioethics Grand Rounds (zoom), "The Impact of Stigma on Individuals with Substance Use Disorder & Mental Health Conditions: Perspectives from Community-engaged Action Research in Minnesota," University
of Minnesota. (May 7, 2021).


Palombi, L. C., Schneiderhan, M. E., Hager, K. D. were panelists at the University at Buffalo College of Pharmacy CPNP Speaker's Panel, "University at Buffalo CPNP Speaker’s Panel," University at Buffalo, Buffalo, New York, United States. (April 21, 2021).


Little, MM. Teach Together MN Conference (Virtual). Cultural Fluency and Culturally Relevant Pedagogies. Discipline Lead: Health Science. (May 18, 2021)

Honors/Awards
Sarah Schweiss promoted to Associate Professor.

Olihe Okoro promoted to Associate Professor with Tenure.

Laura Palombi received the 2021 University of Minnesota Duluth Outstanding Academic Advisor Award.

A team of scholars including Laura Palombi, Keri Hager and Lucas Kosobuski won the 2021 National Health Outreach Priester Culture of Health Award. The Culture of Health Award recognizes an Extension-community partnership that is taking a transformative approach to improving community health, fostering a culture of health through community-based strategies, and/or co-creating with communities to ensure relevance and reduce barriers for positive change.

Grant Submissions
Source: DoD; Title: Metabolomic analysis of diabetic rodents and non-human primates to
improve the understanding of the basic mechanisms of neuropathic pain; PI Name: Amanda Klein; Total Application: $310,000; COP Direct: $200,000; COP Indirect: $110,000

April 2021

Publications


Sara N. Johnson, Katie Vukelich, Tamnnet Kidanu, Lauren Eldridge, Keith A. Mays, and Michael H. Kim. Health Professions Student Awareness and Use of Mental Health Resources and Barriers to Seeking Care. ACPA Developments Spring 2021
Presentations

**Van Hooser JC.** Pain Management. The College of St. Scholastica, Department of Graduate Nursing. April 6, 2021. [via Zoom]

**Stenehjem, D.** “Precision medicine: Passing fad or a new standard of care.” Rochester Community and Technical College, Learning Is ForEver (LIFE). April 6, 2021 [via Zoom]

**Amanda H. Klein, Alexis Doucette, Peter Dosa.** “$K_{ATP}$ channel prodrugs as therapeutics for chronic pain and substance abuse disorders” (15727). Translational Science 2021, Association for Clinical and Translational Science meeting. March 30-April 1, 2021. [Online]

**Palombi, Laura, Bilden, Beth, Gurno, Marcia.** Project ECHO Naloxone to Reverse Opioid Overdose: A Community-Engaged Training. Project ECHO, Minnesota. April 7, 2021. [Zoom].

**Blue, Heather.** COVID: Medications to Treat and Prevent. APRN Coalition Spring Pharmacology Review. April 10, 2021. [Zoom]

**Hager, KD.** Putting Out the Welcome MAT for M.A.T. (or how to support people getting the help they need). Itasca County Health and Human Services. Funded by SAMHSA Technical Assistance Award 1H79T108900-01. April 7, 2021. (via live Zoom)

**Hager, KD.** Medications for Opioid Use Disorder (MOUD): Talking with clients, families, & colleagues about fact vs. fiction. Partners in Recovery. Funded by SAMHSA Technical Assistance Award 1H79T108900-01. March 23, 2021. (via live Zoom)

**Hager, KD.** Putting Out the Welcome MAT for M.A.T. (or how to support people getting the help they need). Itasca County Health and Human Services. Funded by SAMHSA Technical Assistance Award 1H79T108900-01. February 26, 2021. (via live Zoom)

**Hager, KD.** Medications for Opioid Use Disorder (MOUD): Talking with clients, families, & colleagues about fact vs. fiction. St Louis County Health and Human Services. Funded by SAMHSA Technical Assistance Award 1H79T108900-01. February 24, 2021. (via live Zoom)

**Hager, KD.** Putting Out the Welcome MAT for M.A.T. (or how to support people getting the help they need). Itasca County Health and Human Services. Funded by SAMHSA Technical Assistance Award 1H79T108900-01. February 18, 2021. (via live Zoom)

**Hager KD.** Medications for Opioid Use Disorder (MOUD): talking with clients, families, and colleagues about fact vs. fiction. Wayside Recovery Women’s ECHO. February 4, 2021. (via live Zoom)

**Honors/Awards**
Van Hooser was awarded Teacher of the Class of 2021 (Duluth).

**Grant Submissions**
**Heather Blue** facilitated a $1800 St. Luke’s Hospital Foundation grant awarded to the St. Luke’s Emergency Department to purchase take-home Narcan kits.

**March 2021**

**Publications**


**Presentations**

**Van Hooser JC**. Pharmacy Phacts. The College of St. Scholastica, Department of Physical Therapy. February 11, 2021. [via Zoom]


**Olihe Okoro**. Faces in our Spaces: Towards increasing diversity in the Healthcare Workforce. West Virginia University, Multicultural Association of Students in Health (MASH) Black History Month Speaker Series. February 18, 2021. [via Zoom]


**Olihe Okoro.** *The Faces in our Spaces* - How racial representation is critical in addressing inequities. UMD Summit on Equity, Race, and Ethnicity. March 2 – 4, 2021. [via Zoom]

**Olihe Okoro, Grant Anderson.** Addressing Vaccine Hesitancy. Healthy Hillside Steering Committee. March, 2021. [via Zoom]

**Honors/Awards**

Karen Bastianelli has been selected as the 2020 Lawrence C. and Delores M. Weaver Medal recipient. The award is given annually to someone who supports the college and its students through service to education, the profession, research and the community. Through teaching, practice and service, Bastianelli has demonstrated unwavering commitment to students and patients, the profession of pharmacy, the college and the University, throughout her career. A reception honoring Bastianelli will be held later in 2021. Best Paper award (Research) at the 2021 Team Based Learning Collaborative


The latest episode of LDPEcast (the Leadership Development in Pharmacy Education podcast) Dares you to Lead. Greg Zumach and Ed Portillo are joined by Friend of the Podcast, Dr. Kerry Fierke, in her review of 'Dare to Lead' by Brené Brown. https://www.podomatic.com/podcasts/ldpe/episodes/2021-03-02T14_24_05-08_00

Aleeya Verdi has been awarded a 2021 Biology Undergraduate Research in Science and Technology (BURST) Fellowship to work in the laboratory of Amanda Klein.

**Grants Submissions**

Submitted:

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HRSA  A Partnership with the Grand Portage Band of Lake Superior Chippewa, Sawtooth Mountain Clinic, and Cook County Public Health in Opioid-Focused Prevention, Treatment, Recovery and Harm Reduction  Laura Palombi  $999,999  $805,455  $194,544

NIH  Development of novel KATP Channel Prodrugs as Analgesics to Treat Chronic Pain  Amanda Klein  $1,153,958  $750,000  $403,958

January 2021

Publications

Brown JT, MacDonald D, Yapel A, Luczak T, Hanson A, Stenehjem DD. Integrating pharmacogenetic testing via medication therapy management in an outpatient family medicine clinic. Pharmacogenomics. [Accepted]


Honors/Awards
Alexis Doucette, UMD Chemistry master's graduate student and mentee of Amanda Klein, is the recipient of a Society for Neuroscience 2020 Trainee Professional Development Award, which recognizes undergraduate and graduate students and postdoctoral fellows who demonstrate scientific merit and excellence in research.

Mark Schneiderhan has been selected as a 2020 inductee into the Academy for Excellence in Clinical Practice--the highest recognition of excellence in the practice or provision of clinical care by a full time faculty member.

Grant Submissions

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<td>NIH</td>
<td>KATP Channels as Downstream Targets of Adenylyl Cyclases During Opioid Tolerance and Withdrawal</td>
<td>Amand a Klein</td>
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