



CAPPI Catch-Up

Center for Addiction and Pain Prevention and
Intervention

THE UNIVERSITY OF ALABAMA AT BIRMINGHAM



A Year in Review

A Message from the Directors

Welcome to the CAPPI Catch-Up newsletter! Our monthly newsletter will be a way to stay connected and let you all know the events for the upcoming month as well as provide recap of the previous events over the past month. The Center for Addiction and Pain Prevention and Intervention (CAPPI) is now a year old! The goal of CAPPI is to improve addiction and pain outcomes through research, education, patient care, and community outreach. We are doing this through supporting and enhancing research and collaborations as well as educating the next generation of scientists and practitioners on pain and addiction. Through these activities, we seek to improve patient care and reduce the stigma associated with addiction and pain (*Continued on page 2*).

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Message from Directors (cont'd)

Over the past year, we have established our website which gives a nice overview of the current CAPPI happenings as well as upcoming events. We have several lectures and educational opportunities including a monthly journal club and our Pain and Addiction Special Interest Group (PASIG). We also host a monthly talk geared for the community called CAPPI Chat. All lectures are recorded so you can always go back to our website and listen to any that you may have missed. We recently started a new series called CAPPI Conversations which pairs a person with lived experience with pain and/or addiction with a UAB professional for a conversation about their experience in the hopes of increasing understanding and reducing stigma associated with these medical conditions.

This past year was challenging for most but particularly for the communities we serve with increases seen in opioid overdoses, alcohol use and other drug use. People with pain may have seen their procedures and surgeries postponed or cancelled due to the influx of COVID-19 patients in the hospital. Now more than ever, it is important that we continue to find ways to provide the best care and advance the research that will lead to significant advances in how we treat pain and addiction. We have an exciting year ahead at CAPPI and plan to announce a pilot grant program to enhance research for early career scientists. We will continue our current events but hope to be more in the community as the COVID-19 epidemic becomes controlled. Happy 2021!

Karen Cropsey, PsyD, Co-Director
Burel Goodin, PhD, Co-Director



**Thank
you!**



2020 Recap



We launched our monthly **CAPPI Journal Club**.

- Signal of increased opioid overdose during COVID-19 from emergency medical services data.
- Heme attenuates beta-endorphin levels in leukocytes of HIV positive individuals with chronic widespread pain.
- Patient race and opioid misuse history influence provider risk perceptions for future opioid-related problems.
- Screening, Counseling, and Shared Decision Making for Alcohol Use with Transgender and Gender-Diverse Populations.

For more information on CAPPI Journal Club, visit our [website](#).

We learned from patients through our **CAPPI Conversations**:


- Dr. Caitlin Clevenger spoke with Brent about how addressing cravings and emotional vulnerabilities, destigmatizing addiction, and being involved with the recovery community was critical to his recovery from heroin addiction.
- Dr. Burel Goodin discussed with Michael how pain following a high school sports injury led to his struggle with heroin addiction and how he found the road to recovery.

To listen to recent CAPPI Conversations, visit our [website](#).

We launched our monthly **CAPPI CHAT**:
A way of reaching the community via online zoom.

- "Cannabis Legalization"
- "Addiction in the time of COVID"
- "Understanding Suicide as a Public Health Issue"
- "All Pains are Not the Same"

For more information and to listen to past CAPPI Chat recordings, visit our [website](#).



We joined forces with the Clinical and Population Health Sciences (CPHS) Program (Preventive Medicine) to grow the Pain and Addiction Special Interest Group (**PASIG**).

Goodbye 2020!

Upcoming Events

- **Feb. 3:** Pain and Addiction Special Interest Group (PASIG)
- **Feb. 11:** Neurobiology Seminar Series
- **Feb. 17:** CAPPI Chat: Drs. Samantha Hill & Rebekah Savage "Nuances to Approaching Adolescent Substance Use: A specific focus on Tobacco and Alcohol"
- **Feb. 19:** CAPPI Journal Club

For more information on upcoming CAPPI events, visit our [website](#).



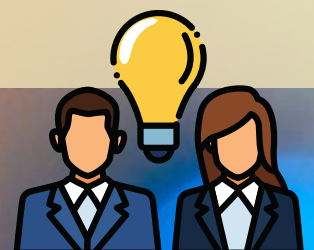
CAPPI News

- [UAB team investigates suicide, opioid prescription changes](#)
- [Chronotypes and cigarettes: New study explores strategies to help ethnic minorities get better rest and quit smoking](#)
- [Project aims to address HIV and substance use in Jefferson County youth](#)

CAPPI Trainees

CAPPI is involved in the successful training of students ranging from basic science, pain, addiction, substance use, tobacco and cannabis.

For more information on our CAPPI Trainee's and their respective interests, visit our [website](#).



Member Spotlight

Burel Goodin, Ph.D.

Co-Director, CAPPI

Dr. Goodin is a clinical health psychologist with specialization in pain-related behavioral medicine. He examines the interactions of psychosocial and biobehavioral characteristics in relation to the experience of pain through the key pathways of stress-related hormones (neuroendocrine function) and immune function. His previous and ongoing projects are conducted in collaboration with colleagues at the Johns Hopkins School of Medicine, the University of Florida, as well as UAB.



Over the years, Dr. Goodin has been involved with several different studies that afforded him the opportunity to become very familiar with experimental models of evoked pain using quantitative sensory testing. As part of these studies, he has developed and refined methods to assess pain sensitivity and modulation (e.g., endogenous pain inhibition and facilitation) using dynamic experimental pain stimuli. This has led him to the next step in his research, which is to begin evaluating the impact of factors such as sleep disturbance and neuropeptides (e.g., oxytocin) on pain sensitivity and modulation across the adult lifespan.

Interested in joining CAPPI? Visit our website to complete a membership application.

Newly Funded Projects

Circadian and Sleep Mechanisms Among Racial Groups for Nicotine Dependence, Craving and Withdrawal

MPI: Dr. Karen Cropsey; Dr. Karen Gamble

This five year R01 project will examine the relationship between sleep behavior and circadian misalignment on tobacco use including nicotine dependence, withdrawal and cravings

Effectiveness of a Smoking Cessation Algorithm Integrated into HIV Primary Care

MPI: Dr. Karen Cropsey, Conall O'Cleirigh, Hedi Crane

This diversity supplement will provide training and experience to Dr. Samantha Hill in the area of co-use of cannabis and tobacco.

Development, Implementation, and Evaluation of a Tobacco Cessation Intervention Tailored to Persons Living with HIV (PLWH) in Brazil: A Feasibility Study

PI: Dr. Isabel Scarinci

This project seeks to refine and pilot test a novel smoking cessation intervention tailored to the unique needs of Brazilian smokers engaged in care for their HIV disease.

Project LEAP (Linkage, Education, and Prevention)

PI: Dr. Ellen Eaton

The LEAP study is a 5-year proposal aimed at increasing access to HIV and substance use education and prevention with an emphasis on African American youth and young adults.

HIV+ Service Delivery and Telemedicine Through Effective Pros (+STEP)

PI: Dr. Ellen Eaton

The +STEP is an implementation science project that will integrate substance use and mental health services for persons living with HIV in Alabama.

[Click here for a complete list of funded projects by CAPPI members.](#)

Newly Funded Projects (cont'd)

Clinical Contexts of Suicide Following Opioid Transitions (CS1: Opioids)

(PI: Stefan Kertesz)

The goal of the project is to understand these suicides in the context of prescription opioid stoppage, using case-control and psychological autopsy methods, in order to develop, test, and evaluate strategies to mitigate suicide risk in this population.

Increasing Naloxone Access for Persons who use Opioids: An Approach to Opioid Overdose Education and Naloxone Distribution

PI: Michelle Sisson

This project will recruit persons who use opioids remotely through Craigslist and other online modalities, provide training and randomize participants to receive a naloxone kit via mail or refer them to a local pharmacy to obtain a naloxone clinic.

Identifying Opportunities for Intervention on Minority Stress and Substance Use to Reduce HIV Risk in Transgender People

PI: Dr. Caitlin Wolford Clevenger

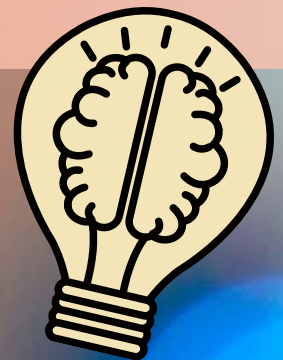
This project seeks to identify opportunities to reduce HIV risk among transgender people in the Deep South.

The Birmingham Youth Violence Study

PI: Dr. Sylvie Mrug

This project has followed a community sample of youth from age 11 to age 28, focusing on risk and protective factors from individual, family, peer, school, and community domains for substance use and related mental health outcomes.

[Click here for a complete list of funded projects by CAPPI members.](#)



CAPPI Manuscripts

1. The conditional association of problematic drinking with suicidal ideation by alcohol expectancies. **Wolford-Clevenger, C.**, Bradizza, C., Parrott, D., **Cropsey, K. L.**, & Stuart, G. L.
2. In-Hospital Illicit Drug Use and Patient-Directed Discharge: Barriers to Care for Patients With Injection-Related Infections. **Eaton, E. F.**, Westfall, A. O., McClesky, B., Paddock, C. S., Lane, P. S., **Cropsey, K. L.**, & Lee, R. A.
3. Sex and Gender are Not the Same: Why Identity Is Important for People Living with HIV and Chronic Pain. Strath, L. J., **Sorge, R. E.**, Owens, M. A., Gonzalez, C. E., Okunbor, J. I., White, D. M., Merlin, J. S., & **Goodin, B. R.**
4. A dopamine-induced gene expression signature regulates neuronal function and cocaine response. Savell, K. E., Tuscher, J. J., Zipperly, M. E., Duke, C. G., Phillips, R. A., 3rd, Bauman, A. J., Thukral, S., Sultan, F. A., Goska, N. A., Ianov, L., & **Day, J. J.**
5. Development and validation of the Capacity to Treat Chronic Pain and Opioid Use Disorder (CAP-POD) questionnaire. **Varley, A. L.**, **Goodin, B. R.**, Copes, H., **Kertesz, S.G.**, Fontaine, K., Cherrington, A. L., & **Hendricks, P. S.**
6. Perceived Injustice Helps Explain the Association Between Chronic Pain Stigma and Movement-Evoked Pain in Adults with Nonspecific Chronic Low Back Pain. Penn, T. M., Overstreet, D. S., Aroke, E. N., Rumble, D. D., Sims, A. M., Kehrer, C. V., Michl, A. N., Hasan, F. N., Quinn, T. L., Long, D. L., Trost, Z., Morris, M. C., & **Goodin, B. R.**
7. Spinal Mobilization Prevents NGF-Induced Trunk Mechanical Hyperalgesia and Attenuates Expression of CGRP. Reed, W. R., Little, J. W., Lima, C. R., **Sorge, R. E.**, Yarar-Fisher, C., Eraslan, M., Hurt, C. P., **Ness, T. J.**, Gu, J. G., Martins, D. F., & Li, P.
8. Naloxone Training From Nonmedical Personnel: Benefits Before, During, and After Overdose Events. Chichester, K., Sisson, M. L., Schiavon, S. P., **Hugley, M. J.**, **Hendricks, P. S.**, Shelton, R. C., & **Cropsey, K. L.**
9. Heme attenuates beta-endorphin levels in leukocytes of HIV positive individuals with chronic widespread pain. Aggarwal, S., **DeBerry, J. J.**, Ahmad, I., Lynn, P., Dewitte, C., Malik, S., Merlin, J. S., **Goodin, B. R.**, Heath, S. L., & Matalon, S.
10. Assessing Tobacco Cessation Needs Among Persons Living With HIV in Brazil: Results From a Qualitative Interview Study. **Scarinci, I. C.**, Ribeiro, M., Gibson, E., Hansen, B., & Kienen, N.

[Click here for access to more manuscripts authored by CAPPI members in 2020.](#)

