#### Vice President of Research and Innovation University of Michigan, Ann Arbor MI 2019 - Present

I currently serve as the Vice President for Research and Innovation across the three campuses of the University of Michigan. During my tenure I navigated the turbulent transitions of multiple provosts and presidents, which allowed me to serve the university well beyond the typical role of VPRI often leading roles in the provost portfolio in less turbulent times. During this time, I advanced undergraduate student success through expanded engaged learning opportunities, and advanced diversity and equity across the academic mission. Under my leadership, the University grew research expenditures by 16% while supporting the faculty across campus that make the research mission possible with a focus on synergy with student success. I spearheaded the first university economic development plan, including initial plans for an innovation district, creating a deeper university engagement across our local community and the region.

#### Key Deliverables in Executive Leadership for University of Michigan beyond VPR role 2020-2023

- O Serve as Executive Officer, advising and reporting to the University President, engaging with executive officers, and briefs on all high priority issues facing the University on a daily/ weekly basis from state budget allocation to student enrollment and crisis management.
- Liaise with the Board of Regents regularly on research, economic development, and innovation matters.
- Launched an <u>Faculty Pandemic Relief Program</u> following campus-wide listening sessions, surveys, and stakeholder interviews of faculty, staff, and trainees. Launched a support program to aid our junior and early career researchers most impacted by the pandemic.
- Spearheaded and organized the development of \$70M institutional investment to support 30 diverse faculty hires through the faculty diversity hiring program, "<u>U-M Invests in hiring 30 diverse faculty across biomedical research."</u>
- O Spearheaded reorganization of undergraduate summer program for freshman and sophomore to scale up across university to ensure every undergrad has access to engaged learning in research.
- Executive representation on U-M Campaign Committee with University Development to provide strategic planning on integration with U-M research enterprise with a focus on cross unit/school fundraising initiatives.
- o Provide executive leadership for current campus visioning spring 2023 for "U-M 2034".
- o Provided executive leadership for current Ann Arbor master planning for UM 2050 infrastructure.
- Secured 400M state of Michigan commitment for key strategic partnership that advances state and UM goals. Lead the negotiations and strategy overseeing coordination across 5 executive offices.
- Keynote and Hosted UM Congressional Breakfast in DC 2022 with 300 DC policy makers and stakeholders during presidential transition.
- O Smoothly managed and grew a complex portfolio while supporting turbulent administrative transition of three presidents, three provosts in past 2 years.

#### Vice President Research and Innovation Scope and Key Deliverables Administrative

- Oversee one of the nation's largest public university research enterprises across three campuses and health system.
- Modernized and transformed the VPR office; optimized operations, clarified mission, hired exceptional senior management team, enhanced morale, and improved visibility and reputation on campus and value driven action across the 19+ schools and colleges and three campuses.

- Lead team of 14 associate and assistant vice presidents ( ie development, communications, business administration, IT, space allocation, human resources, compliance, research faculty affairs)
- Oversee central unit of >400 people including institute directors, faculty, post-docs and staff.
- O Budget and HR oversight of 30+ units
- Redesigned reporting for all direct reports utilizing data-supported rubrics in combination with goals.
- Created research dashboard reporting for all schools and unit leadership across 3 campuses.
- O Manage, analyze, and grow \$1.8 B U-M research expenditures.
- Lead analysis, strategy, and implementation to address future research expenditures growth across three campuses https://research.amplify research.
- Created strategic OVPR research plan and conducted oversight for a complex comprehensive internal review of U-M research ecosystem, engaging in depth analysis with 19 deans, institute directors, chancellors, and central units and external blue-ribbon panel.

#### Academic Oversight

- Oversee regular meetings of Council of Deans across campuses who guide and advise on UM research and creative practice strategy.
- Oversee and convene committee 25 research associate deans across three campuses monthly.
- o Primary oversight of university-wide promotion of the research scientist track
- O Joint oversight with the provost of all academic casebooks of research professor's
- O Revised the Research Scientist faculty track.
- Oversight of graduate curriculum and education programs in research institutes.
- Launched new undergraduate summer internship program for junior year undergrads to support student success.
- Launched a Central Postdoctoral Resource office.
- o Led national searches for senior executive staff, directors of academic research institutes.

#### Catalyzing / Fundraising / and Stewardship of new University-wide VPR Initiatives

- Grew U-M Research Expenditures by >\$225M (16%) over five years, including COVID, launching UM to over 1B in external research funding for the first time (1.8 billion Total Research funding).
- Engaged in leadership gift solicitation in the quiet phase of campaign exceeding targets and closing multiple gifts exceeding total of \$35M.
- Launched the presidential initiative, <u>Institute for Firearm Injury Prevention</u>, with a community engaged, apolitical focus, state, and campus-wide support. Raised \$20M to date. This includes a strong history and focus on inclusion of viewpoints across the political spectrum on a fraught topic.
- Launched <u>Hydrogen</u> and <u>Energy Solutions Initiatives</u>, <u>Quantum Research Institute</u> and <u>Opioid</u> Solutions Institute.
- Steward development and philanthropic oversight of \$20M global research initiative in middle east.
- Led the creation of the new university-wide, <u>Bold Challenges</u> initiative to bring together social science and technical researchers to advance solutions to large societal problems that intersect sustainability, infrastructure, and health.
- Launched the Research Catalyst and Innovation Program, which features four new funding mechanisms to support faculty to catalyze multidisciplinary research.
- O Spearheaded new UM National Lab Strategy.

#### **Ethics and Compliance**

- Reorganized university-wide research compliance portfolio that includes research misconduct.
- o Revamped, centralized, and streamlined faculty Conflict of Interest reporting.
- Management and responsibility for academic and coordination of high-profile cases of research misconduct including public relations response.
- Revised existing oversight and Standard Practice Guide (SPG) of minors on campus to include minors in research providing oversight and protection for our most vulnerable research participants.

#### Diversity, Equity, and Inclusion across the U-M Research Enterprise

- O Developed first DEI plan for research enterprise.
- O Launched a \$2M initiative for anti-racism research and scholarship.
- o Elevated DEI leadership in OVPR to the executive team to advance transformational change.
- Launched best practices for the research enterprise for peer review of internal funds.
- Created program "Aspire to Innovate"—a networking with measurable success in advancing diversity of faculty entrepreneurs.
- o Provided executive input into development updated policy for free speech at UM.

#### Community, State, Federal Engagement / Government Relations/ Economic Development

- o In partnership with the Office of the Vice President for Government Relations, jointly oversee and direct the U-M Office of Federal Relations.
- Set the institutional federal research advocacy agenda for the U-M Office of Federal Relations to safeguard and protect the University's federal research interests.
- Developed with local and state public/private stakeholders stakeholder support across state and local government 6-point UM Economic Development plan to spur innovation and economic development in the state of Michigan and region.
- O Collaborated with the legislature and state government on state and federal funding requests, capital project needs for research priorities, and programmatic launches.
- Provided federal testimony advocating for higher education principles before the U.S. Senate Subcommittee on Federal Spending Oversight and Emergency Management hearing on the importance of "Federal Support for Research Federal Funding."
- Led the mobilization of the Healthy Flint Coordinating Center- elevating community organizers in Flint Michigan during the Flint Water Crisis into partnership with 3 major local universities.
- Decades history of community engaged research practice.

#### Innovation, Commercialization and Corporate Engagement

- Oversee reorganization, growth, and rebranding of Tech Transfer, elevating to record high on innovation metrics-launching over 20 new startups and over 500 new licenses in 2023.
- Led strategy for development of U-M Public -Private Partnership and Innovation Tech Hub.
- O Launched the <u>Accelerate Blue Fund</u> to bridge the funding gap between initial launch and VC funding for startups based on University of Michigan intellectual property. Raised \$20M to date.
- Led consensus building with Tech Transfer office and stakeholder deans through revamping the University patent policy to create a sustainable patent budget model.
- Created University's first external presence, specifically focused on economic development in region, launching regular reporting with state partners on university impact and focus on economic development.

#### Crisis Management

- Developed consistent and transparent stakeholder engagement with mission- and people-focused COVID crisis communications that began with VPR virtual town halls (over 2,500 participants attended) and shifted to weekly, then monthly. "VPR Update" newsletter-style communications with a circulation of over 15,000.
- Led the research enterprise through a coordinated response to implement a smooth ramp-down of our 5,000+ laboratories, 6,000+ human subject research protocols, and complex animal research portfolio within days. Implemented a framework for assessing and minimizing loss or stoppage of critical, time sensitive research.
- O Led planning and implemented a phased ramp-up of the research enterprise coordinated with all facets of the enterprise from the building custodians to students as well as deans, researchers, and the faculty governance and graduate student union. Led the initial re-opening of over 85 buildings through partnership with security for standardized screening and entry procedures allowing a daily average of over 5,000 researchers who were first to safely return to research activity in laboratories.

- Crisis Management of executive portfolio and security during high profile shut down of university functions on first day of fall 23 class by malicious IT event.
- O Fluency with executive decision making needed in regard to campus safety planning related wide range of internal and external threats to campus safety.

#### Associate Vice President of Research – Health Sciences University of Michigan, Ann Arbor MI 2017 – 2019

- O Served as the Dean equivalent for oversight of institute directors, research faculty and staff affairs for six institutes and 150 people that reported directly through OVPR research institutes.
- O Served to coordinate and accelerate research portfolio of six health science schools under the VPR.
- o Primary oversight of university-wide research faculty affairs casebooks and promotion.
- O Launched the <u>Healthy Flint Research Coordinating Center</u> in response to multiple health challenges for the Flint community including the water crisis. This is a multi-institutional academic community partnership with Michigan State University and the U-M Flint and Ann Arbor campuses.
- Regular portfolio review of 10 university wide institutes.

# Associate Chair, Department of Emergency Medicine, Michigan Medicine University of Michigan, Ann Arbor MI 2014 – 2017

- Oversight of academic research portfolio for the #1 NIH-funded academic Department of Emergency Medicine in the United States.
- Management of research portfolios and research space of 100 faculty across two hospital and community sites.
- Oversaw undergraduate internship program with Emergency Medicine researchers.
- O Developed Department's first mentoring and faculty development program for research and tenure track faculty.
- Created inaugural, annual departmental research conference.
- O Developed Department's first parental leave policy for clinical faculty.

#### Director, U-M Injury Prevention Center University of Michigan, Ann Arbor MI 2006 – 2020

- O Directed as Inaugural Principal Investigator (PI) Center with over \$25M in research expenditures.
- O Spearheaded three cycles of CDC investment and garnered over \$15M institutional investment based on excellence in institute performance.
- Launched cross campus institute with >100 faculty involved. Engaged with 12 U-M schools and two campuses forging a national reputation for excellence in injury prevention for U-M.
- Regular liaison with State and Federal policy makers and over 45 community organizations partnerships across the region.
- O Community engagement and creation of data driven interventions to improve health and safety related in injury and violence.
- O Appointed to Governor Snyder's Opioid Overdose Commission as a substance matter expert to inform the State strategy for the opioid crisis.
- Directed the federal advocacy agenda for a consortia of Centers for Disease Control and Prevention's (CDC) Injury Control Research Centers.

- Capitol Hill Congressional Briefing "Addressing the Opioid Epidemic: Leveraging Partnerships, Research and Practice", Washington, DC 2017
- Directed Center's team partnering with Michigan Creative on a messaging campaign supporting victims impacted by sexual misconduct.
- Led team to participate in the National Collegiate Athletic Association sponsored Higher Education Summit on Sexual Assault Prevention.
- Led the scientific evaluation in partnership with Sexual Assault Prevention and Awareness Center's (SAPAC's) of the U-M student sexual assault prevention program.
- O Spearheaded the Summit titled The Prevention of Campus Sexual Assault. 2017
- Served on the 2015 Faculty Advisory to address changes to the Student Sexual Misconduct Policy.

#### SUMMARY OF SCIENTIFIC SCHOLARSHIP & LEADERSHIP

- Elected to the National Academy of Medicine (NAM). Current co-chair of NAM task force, and Member of Special Emphasis NAM membership committee.
- O Strong record of research in clinical trials, social science, and public health, with scientific collaborations that span engineering, health communications, transportation, and public policy.
- Research with a focus on highlighting the needs of vulnerable, underserved communities, including a trauma informed lens.
- Over 200 publications/books
- O Publications in top journals (i.e., New England Journal, Science, JAMA)
- Continuous federal research funding for 25+ years as Principal Investigator.

#### **GLOBAL ENGAGEMENT AND LEADERSHIP**

- O Led the United States portion of a Fogarty-funded project that, along with in-country partners in Ghana, created a new curriculum and the first sustainable model for graduate professional training of emergency medicine physicians and nurses in Ghana including securing local country accreditation. This sustainable train-the-trainer effort remains a model across Africa and is in place today for delivery of emergency training across the health professions.
- Led and collaborated with researchers and conducted academic training across Ghana, Poland and Ukraine.
- Fogarty Ukraine Fogarty Training Program 2015
- Fogarty Polish International Fogarty Training Program 2006 2011
- Steward of Mideast research collaboration across three universities.

#### **APPOINTMENTS**

#### **Administrative**

#### University of Michigan, Ann Arbor, MI

| 09/2023- Present  | Vice President for Research and Innovation                           |
|-------------------|----------------------------------------------------------------------|
| 04/2020 -09/2023  | Vice President for Research                                          |
| 06/2019 - 03/2020 | Interim Vice President for Research                                  |
| 05/2017 - 05/2019 | Associate Vice President for Research-Health Sciences                |
| 07/2014 - 04/2017 | Associate Chair for Research, Department of Emergency Medicine       |
| 09/2010 - 04/2020 | Director, CDC-funded University of Michigan Injury Prevention Center |
| 09/2006 - 09/2010 | Director, Department of Emergency Medicine Injury Research Center    |

#### State of Michigan, Lansing, MI

09/2016 - 08/2018 Governor Snyder's Commission for Michigan Prescription Drug and Opioid Abuse.

#### **Academic**

#### University of Michigan, Ann Arbor, MI

| 09/2019 - present | William G. Barsan Collegiate Professor of Emergency Medicine              |
|-------------------|---------------------------------------------------------------------------|
| 09/2014 - present | Professor, Health Behavior and Health Education, School Public Health     |
| 09/2014 - present | Professor, Department of Emergency Medicine Michigan Medicine             |
| 09/2010 - 09/2014 | Associate Professor with Tenure, Department of Emergency Medicine         |
| 09/2010 - 09/2014 | Associate Professor with Tenure, Health Behavior and Health Education SPH |
| 06/2008 - 09/2010 | Assistant Professor, Health Behavior and Health Education SPH             |
| 08/2004 - 09/2010 | Assistant Professor, Department of Emergency Medicine                     |
| 07/2001- 08/2004  | Clinical Lecturer Department of Emergency Medicine                        |
| 07/1999 - 07/2001 | Post-doctoral T32 Fellow and Clinical Lecturer, Department of Emergency   |
|                   | Medicine                                                                  |

#### Clinical

#### University of Michigan, Ann Arbor, MI

07/1999 - 2021 Attending Physician, Department of Emergency Medicine

**Hurley Hospital, Flint, MI** 

07/1999 - 2010 Attending Physician, Department of Emergency Medicine

#### **EDUCATION AND TRAINING**

| 09/2016 - 06/2017 Fellow, Executive Leadership in Academic Medicine (ELAM)                 |     |
|--------------------------------------------------------------------------------------------|-----|
| 07/1999 - 06/2001 Postdoctoral Research Fellow, NIAAA T32 National Institute on Alcohol Ab | use |
| and Alcoholism, Ann Arbor, MI                                                              |     |
| 07/1996 - 06/1999 Residency, Emergency Medicine, University of Michigan Health System, Ann |     |
| Arbor, MI                                                                                  |     |
| 09/1992 - 06/1996 MD, Jefferson Medical College, Philadelphia, PA                          |     |
| 09/1988 - 05/1992 BS, Fairfield University, Fairfield, CT (First Generation, Pell Grantee) |     |

#### (RECENT) NATIONAL BOARD SERVICE

| 2023 - present | Council on Competitiveness Technology Leadership and Strategy Initiative    |
|----------------|-----------------------------------------------------------------------------|
| 2022 - present | Elected Board of Trustees Member, Internet2                                 |
| 2023 - present | Co- chair National Academy Medicine Interest group                          |
| 2023 - present | Subject Emphasis Election Subcommittee member, National Academy of Medicine |
| 2019 - present | Chair of Task force, National Academy of Medicine                           |

#### **RECENT AWARDS AND RECOGNITIONS**

| 2023 | Detroit Crain's – Notable Leader in Higher Education                          |
|------|-------------------------------------------------------------------------------|
| 2019 | Elected Member, National Academy of Medicine                                  |
| 2019 | Society for Academic Emergency Medicine, Excellence in Research Award         |
| 2019 | American College of Emergency Physicians Outstanding Contribution in Research |

#### (SELECTED) RECENT INVITED PRESENTATIONS

Public speaking experience at venues up to several thousand with keynotes at major conferences in US and globally. Extensive media experience with local and national outlets. Numerous television, radio, and print interviews.

| 2023 | Research! America, Guest Speaker "The Role of Evidence-based Research"          |
|------|---------------------------------------------------------------------------------|
| 2023 | NIH/NICHD Science Friday: "FACTS and a Public Health Path Forward".             |
| 2022 | Directors Keynote National Institutes of Health Office of Behavioral and Social |
|      | Sciences Research "Behavioral Health and Injury Prevention: The Emergency       |
|      | Department as a Window to Community and Population Health                       |
| 2021 | Keynote Speaker American Academy of Pediatrics                                  |
| 2020 | National Academies of Sciences, Engineering, and Medicine: Forum on             |
|      | Postsecondary Response to COVID-19: How are laboratories shifting research      |
|      | agendas?                                                                        |
| 2019 | The Science Coalition, Champion of Science Award Ceremony with Congressman      |

#### **SELECTED MEDIA**

Substantial experience with media and press across formats from print to video.

- Interviews with most major local and national outlets, CNN, NPR, Chronicle of Higher Education, The Conversation, Reuters.
- o MLive
  - \$71M grant to translate medical research into treatments through University of Michigan (April 2023)
  - O University of Michigan near top nationally in research spending. Where does rest of the state rank? (February 2023)
  - o <u>University of Michigan reports record \$1.7B in research spending in 2022</u> (September 2022)
  - o \$100M contributed to state economy through University of Michigan research (March 2022)
  - \$15M research partnership renewed by University of Michigan, Toyota Research Institute (January 2021)
  - o <u>University of Michigan to launch second wave of research re-engagement</u> (June 2020)
  - University of Michigan gradually resuming laboratory, studio-based research in coming weeks (May 2020)
  - o \$7.5M federal grant to aid American Center for Mobility, MCity (September 2019)
- Crain's Detroit Business
  - University of Michigan launches \$55 million Quantum Research Institute (May 2023)
  - University of Michigan conducted \$1.62 billion of research in fiscal 2020 (November 2020)
- Michigan Economic Development Corporation
  - o The Michigan Opportunity Podcast with Ed Clemente (June 2021)
- o Digital Journal
  - New institute seeks to tackle the US opioid crisis (April 2023)
- The Chronicle of Higher Education interview
  - o We Lost the Whole Field': Scientists Work to Revive Gun Research After a 20-Year Chill (2019)
- The Conversation
  - o The Facts on US children and teens killed by firearms 2019

#### SELECTED TEACHING AND CURRICULAR EXPERIENCE (AS FACULTY)

- Teaching and mentoring of all levels of U-M trainees, including coursework for undergraduate, graduate, and post-doctoral students in the School of Public Health, Medicine, and Health professions schools.
- O Curricular development of both traditional and online content
- Global curricular development and accreditation of Physician and Nursing Curriculum in

Emergency Medicine Kumasi Ghana

- O Directed Undergraduate Summer injury research internship program 2010-2018
- Led Phd post-doctoral training program in Injury Prevention 2009-2020

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#### **PAST GRANTS**

Building Research Capacity for Firearm Safety among Children (FACTS) 09/01/2017 - 08/31/2023 R24HD087149 (Cunningham/Zimmerman) \$7,872,849

National Institutes of Health

The University of Michigan Injury Prevention Center

R49CE002099 (Cunningham) Centers for Disease Control and

\$4,201,354

Prevention
Role: PI (stepped down in 2020)

05/01/2016 - 01/31/2021

Reducing Non-Medical Opioid Use: An Automatically Adaptive

\$2,817,357

mHealth Intervention

Role: Contact NIH PI (Cunningham/Goldstick)

| R01DA039159<br>National Institutes of Health/National Institute of Alcohol Abuse and Alcoholism<br>Role: Co-I (PI: Bohnert)                                                                                                                       |                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Adaptive Interventions to Reduce Risky Drinking and Violent Behaviors among Adolescents R01AA024755 National Institutes of Health/National Institute of Alcohol Abuse and Alcoholism Role: PI- moved to Co-I in 2017 (Cunningham/Walton-Multi-PI) | 08/15/2016 - 07/31/2021<br>\$2,947,570     |
| M-Health to Decrease Youth Substance Misuse & High Risk Illegal<br>Firearm Behaviors<br>National Institute for Drug Abuse K<br>Role: Co-I/Mentor (PI: Carter)                                                                                     | 05/01/2016 - 04/30/2021<br>\$911,520       |
| Michigan Youth Violence Prevention Center Community Engagement<br>and Revitalization<br>Centers for Disease Control and Prevention<br>Role: Co-I (PI: Zimmerman)                                                                                  | 09/30/2015 - 09/29/2020<br>\$6,000,000     |
| Social Media Interventions to Reduce Alcohol Use among Youth R01 AA 024175 National institutes of Health Role: Co-I (PI: Walton)                                                                                                                  | 09/20/2015 - 08/31/2020<br>\$3,247,113     |
| System for Opioid Surveillance<br>F045389<br>Michigan Department of Health and Human Services<br>Role: MPI                                                                                                                                        | 10/17/2016 - 08/31/2019<br>\$110,000       |
| Michigan Core Violence and Injury Prevention Program (Michigan VIPP) Centers for Disease Control-Subcontracts to Michigan Department of Health and Human Services Role: PI                                                                        | 10/01/2017 - 09/30/2018<br>\$32,274        |
| Medical Marijuana: Longitudinal Trajectories in Use, Pain and                                                                                                                                                                                     | 05/01/2013 - 02/28/2018                    |
| Functioning R01 DA 033397 National Institutes of Health/National Institute of Alcohol Abuse and Alcoholism Role: Co- I (PI: Ilgen)                                                                                                                | \$272,282                                  |
| Emergency Department Screen for Teens at Risk for Suicide (ED-STARS) U01MH104311 National Institutes of Health Role: Co-I (PI: King)                                                                                                              | 08/12/2014 - 06/30/2018<br>\$3,551,713     |
| Resiliency and Promotive Factors in Polyvictimized Youth R03HD083397<br>National Institutes of Health Role:<br>Co-I (PI: Heinze)                                                                                                                  | 03/14/2016 - 02/28/2018<br>\$50,000 direct |
| Substance Use, Violence and HIV Risk: Age-specific Risk Factors and Drivers of Comorbidity National Institutes of Health R03DA039003-02 Relational Contact NILL DL (Contactors)                                                                   | 02/01/2015 - 01/31/2018<br>\$49,500 direct |

| Measurement and Methodology for Daily Patterns of Drug Use and<br>Related Behaviors R01 DA035183                                                                                                                                                          | 08/01/2014 - 03/31/201<br>\$1,947,090 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| Indiana University Sub of: National Institute for Drug Abuse /National Institutes for Health Role: Contact NIH PI (Cunningham/Walton/Buu)                                                                                                                 |                                       |
| Michigan Core Violence and Injury Prevention Program (MI VIPP)<br>SubK-Centers for Disease Control and Prevention-Department of<br>Health and Human Services-US through a consortium with Michigan<br>Department of Health and Human Services<br>Role: PI | 11/2016 - 09/2017<br>\$58,333         |
| Youth Violence Prevention through Environmental Design<br>Centers for Disease Control and Prevention-Department of<br>Health and Human Services<br>Role: Co-I and Associate Director (PI: Zimmerman)                                                      | 09/2014 - 08/2017<br>\$1,050,000      |
| U01 MH104311: Emergency Department Screen for Teens at Risk for                                                                                                                                                                                           | 08/2014 - 07/2017                     |
| Suicide (ED-STARS) National Institutes of Health-Department of Health and Human Services-US Role: Co-I without effort (PI: King)                                                                                                                          | \$8,882,695                           |
| The University of Michigan Injury Center<br>Centers for Disease Control and Prevention-Department of<br>Health and Human Services-US<br>Role: PI and Center Director                                                                                      | 08/2012 - 07/2017<br>\$4,527,392      |
| Comprehensive Public Health Approach to America's Opioid Epidemic (JHCIPR network)                                                                                                                                                                        | 12/2016 - 06/2017<br>\$60,000         |
| Centers for Disease Control and Prevention-Department of Health and Human Services- US through a consortium with The Safe States Alliance Role: Co-I without effort (PI: Carter)                                                                          |                                       |
| Substance Use, Violence and HIV Risk: Age-specific Risk Factors and Drivers of Comorbidity National Institutes of Health - 1R03DA-01 Role: Co-PI (PI: Goldstick)                                                                                          | 04/2015 - 03/2017<br>\$50,000         |
| Feasibility Study for Developing an In-Vehicle Emergency Medical<br>Condition Detection System<br>Toyota Technical Center, USA Role: Co-I (PI: Najarian)                                                                                                  | 07/2016 - 02/2017<br>\$159,413        |
| R01 DA033397: Medical Marijuana: Longitudinal Trajectories in Use,<br>Pain and Functioning<br>National Institutes of Health-Department of Health and Human Services<br>Role: Co-I (PI: Ilgen)                                                             | 05/2016 - 02/2017<br>\$2,200,515      |

| K23 HD070913: Brief ED Intervention to Increase Size-Appropriate<br>Child Passenger Restraint Use<br>K-Award<br>Role: Co-I without effort (PI: Macy)                                                       | 02/2012 - 01/2017<br>\$669,600     |
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| Optimizing Alcohol Brief Interventions in the ED: Computer vs. Clinician Delivery National Institutes of Health-Department of Health and Human Services-US R01 AA018659: Role: Co-I (PI: Blow)             | 07/2010 - 06/2016<br>\$3,731,202   |
| MI Youth Violence Prevention Center<br>Centers for Disease Control and Prevention-Department of<br>Health and Human Services-US<br>Role: Co-I (PI: Zimmerman)                                              | 10/2010 - 09/2015<br>\$4,180,130   |
| Ghana Emergency Medicine Collaborative Training Program through a consortium with Kwame Nkrumah University Role: PI                                                                                        | 11/2010 - 06/2016<br>\$1,352,506   |
| U01CE001940: Links to Enhancing Teens' Connectedness (LET's CONNECT) Centers for Disease Control and Prevention-Department of Health and Human Services-US- 10-Role: Co-I (PI: King)                       | 09/2010 - 09/2015<br>\$1,955,114   |
| R01 DA026029: Optimizing SBIRT for Drug-Using Patients in an Inner City Emergency Department National Institutes of Health-Department of Health and Human Services-US Role: Co-I with Effort (PI: Blow)    | - 08/2009 - 05/2014<br>\$3,458,008 |
| R01 AA018122: Optimizing Brief Alcohol Intervention for Underage Drinkers in the ER National Institutes of Health-Department of Health and Human Services-US                                               | 06/2009 - 05/2014<br>\$2,541,826   |
| Role: MPI (Cunningham/Walton) R01 DA024646: Substance Use Among Violently Injured Youth in Urban ER: Services & Outcomes National Institutes of Health-Department of Health and Human Services-US Role: PI | 05/2009 - 04/2014<br>\$3,008,486   |
| Ghana Emergency Medicine Training Program (MEPI) NIH/Fogarty<br>International Training Grant<br>Role: PI Cunningham (US), Donkor (Ghana)                                                                   | 09/2010 - 08/2011                  |
| Seat Belt Brief Intervention, Mechanism Underlying Risk Assessment<br>University of Michigan Transportation Research InstiFunding<br>Role: Co-I (PI: Ehrlich)                                              | 08/2006 - 08/2011<br>\$43,569      |
| Fogarty International Collaborative Trauma and Injury Research<br>Training Program National Institutes of Health/National Institute of<br>Alcohol Abuse and Alcoholism<br>Role: Co-I (PI: Blow)            | 07/2006 - 06/2011                  |

| R34 MH079123: Adolescent Emergency Patients: Suicide Risk<br>Detection and Treatment Facilitation<br>National Institutes of Health- Department of Health and Human<br>Services-US<br>Role: Co-I with Effort (PI: King) | 08/2007 - 11/2010<br>\$615,600   |
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| R01 AA014889: Tailored Teen Alcohol and Violence Prevention in the ER National Institute for Alcohol Abuse and Alcoholism Role: Co-I with Effort (PI: Walton)                                                          | 02/2005 - 11/2009<br>\$1,975,213 |
| R01 AA014665: Services Interventions for Injured ED Problem Drinkers<br>National Institute for Alcohol Abuse and Alcoholism<br>Role: Co-I (PI: Blow)                                                                   | 09/2004 - 06/2009<br>\$2,059,639 |
| R01 DA016591: Services Interventions for Injured ED Substance<br>Abusers<br>National Institute for Drug Abuse<br>Role: Co-I (PI: Blow)                                                                                 | 06/2004 - 05/2009<br>\$2,042,726 |
| Injury Prevention Efforts at US Trauma Centers; ED Director Survey in<br>Level I and Level II Trauma Centers American College Emergency<br>Physicians<br>Role: PI                                                      | 08/2007 - 07/2008<br>\$5,000     |
| R03 AA015111: National Alcohol Screening Day Emergency<br>Department Study<br>National Institutes of Health-Department of Health and Human<br>Services-US- 04- 1387<br>Role: Co-I with Effort (PI: Maio)               | 03/2004 - 02/2005<br>\$38,250    |
| Flint Youth Violence Prevention Center<br>Centers for Disease Control<br>Role: (PI: Zimmerman, Cunningham - Assistant Director)                                                                                        | 03/2004 - 02/2009<br>\$4,100,021 |
| R01-DA14343: Cocaine and Chest Pain in the ED: Services and Outcomes National Institute for Drug Abuse/National Institutes of Health Role: Co-I (PI: Booth)                                                            | 07/2001 - 09/2006<br>\$859,911   |