EMERGE Goals – FY 2016-2017

- **Goal:** 40% (9 of 22) of faculty publish in peer-reviewed journals with at least one resident and one student co-author in FY 16.
  - **2016-2017 Results**
    - 9 faculty members published in peer-reviewed journals
    - No publications included MCW medical students
    - 1 publication included a graduate student
    - 1 publication included an emergency medicine resident

- **Goal:** Submit 15 new or renewal research grant funding applications.
  - **2016-2017 Results**
    - Submitted 15 new funding applications
    - Submitted 4 renewal applications

Peer-Reviewed Published Journal Articles

*Note: 1= medical student, 2= resident, 3= graduate student, 4= EMS provider, 5= undergraduate, 6=fellow*

8. Colon-Franco JM, Lo SF, Gourlay D, Drendel A, **Lerner EB**: Validation of a hand-held point of care device for lactate in adult and pediatric patients using traditional and locally-smoothed median and maximum absolute difference curves. Clinica Chimica Acta; 468: 145-149; 2017.


Peer-Reviewed Published Abstracts


National Unpublished Peer Reviewed Presentations

Monographs and Book Chapters

Case Reports

Letters to the Editor

Online Articles
FUNDED GRANTS
Federally Funded

- **Title:** The ACCESS Trial  
  **Source:** National Heart, Lung, and Blood Institute (NHLBI)  
  **Principal Investigator:** Tom P. Aufderheide  
  **Duration:** 2016 - 2021  
  **Funding:** $5,569,034

- **Title:** Resuscitation Outcomes Consortium – ROC Regional Clinical Centers – Milwaukee (TXA [Prehospital Tranexamic Acid Use for Traumatic Brain Injury] Consortium  
  **Source:** National Institutes of Health (NIH)/National Heart, Lung, and Blood Institute (NHLBI)  
  **Principal Investigator:** Tom P. Aufderheide  
  **Co-Investigator:** M. Riccardo Colella  
  **Duration:** 2015 – 2017  
  **Funding:** Fee For Service Subcontract from the University of Washington

- **Title:** The Milwaukee Clinical Site Hub – Neurological Emergencies Treatment Trials (NETT)  
  **Source:** National Institutes of Health (NIH)/National Institute of Neurological Disorders and Stroke (NINDS)  
  **Principal Investigator:** Tom P. Aufderheide  
  **Co-Investigator:** M. Riccardo Colella  
  **Duration:** 2012 – 2017  
  **Funding:** $1,271,335

- **Title:** Medical Student Training in Aging and Injury Research  
  **Source:** National Institutes of Health/National Institute on Aging  
  **Co-Program Director:** Stephen W. Hargarten  
  **Duration:** 2007 – 2017  
  **Funding:** $391,068

- **Title:** Center for AIDS Intervention Research (Core Support)  
  **Source:** National Institutes of Health/National Institute of Mental Health  
  **Co-Investigator:** Peter M. Layde  
  **Duration:** 1994 – 2017  
  **Funding:** $1,460,718

- **Title:** Pediatric Performance Measures: Improving EMS Care for Time-Critical Illness and Injury  
  **Source:** Department of Health and Human Services, Health Resources and Services Administration  
  **Co-Principal Investigator:** E. Brooke Lerner  
  **Duration:** 2016 – 2019  
  **Funding:** $825,000
- **Title:** Use of Mechanism of Injury for the Identification of Severely Injured Children  
  **Source:** NIH Child Health and Human Development  
  **Principal Investigator:** E. Brooke Lerner  
  **Duration:** 2013 – 2018  
  **Funding:** $1,494,282

- **Title:** EMSC Targeted Issue Grants: Development of the Charlotte, Houston, and Milwaukee Prehospital (CHaMP) Research Node  
  **Source:** HHS Health Resources and Services Administration  
  **Principal Investigator:** E. Brooke Lerner  
  **Duration:** 2013 – 2016  
  **Funding:** $900,000

- **Title:** Prescription Drug Overdose Prevention: Opioid Stewardship in Wisconsin  
  **Source:** HHS Centers for Disease Control and Prevention  
  **Principal Investigator:** Amy E. Zosel  
  **Co-Investigator:** Caroline Pace  
  **Duration:** 2015 – 2017  
  **Funding:** Subcontract from the State of Wisconsin Department of Health Services $136,937

- **Title:** ProHealth System with PDMP/EHR Integration  
  **Source:** HHS Centers for Disease Control and Prevention  
  **Principal Investigator:** Amy E. Zosel  
  **Duration:** 2016 – 2017  
  **Funding:** Subcontract from the State of Wisconsin Department of Health Services $241,269

- **Title:** Reperfusion Injury Protection Strategies During Basic Life Support for Cardiocerebral Resuscitation  
  **Source:** National Institutes of Health (NIH)/National Heart, Lung, and Blood Institute (NHLBI)  
  **Co-Investigator:** Tom P. Aufderheide  
  **Duration:** 2014 - 2017  
  **Funding:** Subcontract from the University of Minnesota, $144,918

- **Title:** Pragmatic Trial of Airway Management in Out-of-Hospital Cardiac Arrest (PART)  
  **Source:** National Institutes of Health (NIH)/National Heart, Lung, and Blood Institute (NHLBI)  
  **Principal Investigator:** Tom P. Aufderheide  
  **Co-Investigator:** M. Riccardo Colella  
  **Duration:** 2014 – 2017  
  **Funding:** Fee For Service Subcontract from the University of Alabama

- **Title:** Integrating Emergency Department Data with Law Enforcement, Emergency Medical Service and Community Data to Reduce Violence  
  **Source:** National Institute of Justice  
  **Principal Investigators:** Jennifer Hernandez-Meier, Stephen W. Hargarten  
  **Duration:** 2015 - 2017  
  **Funding:** $194,175
Title: The Cardiff Model: Strengthening Community Capacity to Reduce Violence
Source: US Department of Justice
Principal Investigators: Jennifer Hernandez-Meier, Stephen W. Hargarten
Duration: 2016 - 2018
Funding: $499,693

Title: Violent Death Abstractor
Source: HHS Centers for Disease Control and Prevention
Principal Investigator: Stephen W. Hargarten
Duration: 2017
Funding: Subcontract from the State of Wisconsin, $47,971

Title: EMSC Targeted Issue Grants - Pediatric Performance Measures: Improving EMS Care
Source: HHS Health Resources and Services Administration
Principal Investigator: E. Brooke Lerner
Duration: 2016 - 2017
Funding: Subcontract from the University of North Carolina at Chapel Hill, $18,491

Title: Clinical and Translational Science Award
Source: National Center for Advancing Translational Sciences (NCATS)
Co-Principal Investigator: Tom P. Aufderheide
Duration: 2015 – 2020
Funding: 17,680,441

Foundation Funded

Title: Criminal Background Characteristics of Homicide Perpetrators and Victim’s and Suicide Decedents: A Model State Analysis
Source: New Venture Fund for a Safer Future
Principal Investigator: Stephen W. Hargarten
Duration: 2015-2016
Funding: $278,184

Title: Prevention Initiatives for the Opioid Epidemic in Milwaukee
Source: Zilber Family Foundation
Principal Investigator: E. Brooke Lerner
Co-Investigator: Jillian Theobald
Duration: 2016 - 2018
Funding: $50,000

Title: ("SOAR") Sentinel Surveillance Study of the Clinical and Economic Impact of Bleeding and Bleeding Concerns due to the Use of Oral Anticoagulants
Source: Hospital Quality Foundation
Principal Investigator: Tom P. Aufderheide
Duration: 2016 – 2019
Funding: Fee For Service
- **Addressing Racial Disparities in the Ascertainment and Identification of Depression, Suicidal Ideation, and Death by Suicide**
  - Source: Charles E. Kubly Foundation
  - Principal Investigator: Stephen W. Hargarten
  - Duration: 2016-2017
  - Funding: $19,159

- **Title: Wisconsin Violent Death Reporting System (WVDRS)**
  - Source: State of Wisconsin, Department of Health Services
  - Principal Investigator: Stephen W. Hargarten
  - Duration: 2016 - 2017
  - Funding: $89,950

- **Title: Increasing Cardiac Arrest Survival in Milwaukee County Through Dispatcher Assisted Bystander CPR**
  - Source: Healthier Wisconsin Partnership Program
  - Principal Investigator: E. Brooke Lerner
  - Co-Investigator: M. Riccardo Colella
  - Duration: 2015 – 2017
  - Funding: $229,299

- **Title: Creating a Jackson County that supports Mental Health**
  - Source: Healthier Wisconsin Partnership Program
  - Principal Investigator: Stephen W. Hargarten
  - Co-Investigators: Peter Layde and Jennifer Hernandez-Meier
  - Duration: 2015 - 2018
  - Funding: $374,504

- **Title: Changing the Culture of Risky Drinking Behavior: Policy Change**
  - Source: Healthier Wisconsin Partnership Program
  - Principal Investigator: Stephen W. Hargarten
  - Duration: 2012 – 2017
  - Funding: $750,000

- **Title: Diversity Matters: Recruiting Wisconsin’s Future Public Health Workforce**
  - Source: Healthier Wisconsin Partnership Program
  - Principal Investigator: Peter M. Layde
  - Duration: 2012 – 2017
  - Funding: $749,482

- **Title: Trauma Care System**
  - Source: State of Wisconsin Department of Health
  - Principal Investigator: E. Brooke Lerner
  - Duration: 2016 - 2017
  - Funding: $20,000
Title: Prevention Initiatives for the Opioid Epidemic in Milwaukee
Source: City of Milwaukee
Principal Investigator: E. Brooke Lerner
Duration: 2016 - 2018
Funding: $50,000

Title: Kenosha County Suicide Prevention Initiative
Source: Healthier Wisconsin Partnership Program
Principal Investigator: Amy E. Zosel
Duration: 2012 – 2017
Funding: $748,267

Title: Preparing the Community to Improve the Odds of Cardiac Arrest Survival
Source: Healthier Wisconsin Partnership Program
Principal Investigator: E. Brooke Lerner
Duration: 2016 – 2018
Funding: $491,269

Title: Wisconsin Department of Corrections Research Analyst
Source: State of Wisconsin Department of Corrections
Principal Investigator: Stephen W. Hargarten
Duration: 2016 – 2017
Funding: $91,264

Industry Funded

Title: Circulation Improving Resuscitation Care (CIRC): A Randomized Controlled Trial Comparing The AutoPulse to Manual Cardiopulmonary Resuscitation (CPR) in An Out-Of-Hospital Cardiac Arrest Protocol
Source: Zoll Medical Corporation
Consultants: E. Brooke Lerner
Duration: 2006 – 2016
Funding: $1,430,565

Title: UPSTREAM: Utilization of Ticagrelor in the Upstream Setting for Non-ST-Segment Elevation Acute Coronary Syndrome: An ED Based Clinical Registry
Source: Astra Zeneca
Principal Investigator: Tom P. Aufderheide
Duration: 2016 – 2019
Funding: Fee For Service Subcontract from Hospital Quality Foundation

Title: Urticaria Study: A clinical trial to evaluate the Non-Inferiority comparing Cetirizine Injection 10 mg to Diphenhydramine Injection, 50 mg, for the treatment of acute urticarial
Source: JDP Therapeutics, Inc.
Principal Investigator: Tom P. Aufderheide
Duration: 2017 – 2020
Funding: Fee For Service
Number of department publications per year and the number of times that years’ publications have been cited as of June 2017: