MASSEY FAMILY FOUNDATION
VIRTUAL TBI CONFERENCE
October 15, 2020
“Our family’s investment in Michigan Medicine through MCIRCC was an investment in the lives of millions of patients around the world. Together, we are creating a brighter future for emergency and critical care through bold research, unparalleled education, and exceptional patient care.”

Brenda Massey
President, The Joyce and Don Massey Family Foundation
AGENDA

1:00 PM  Welcome & Introductions

1:10 PM  “New and Unexpected Findings from the EPIC EMS TBI Study”
         Daniel Spaite, MD, FACEP

2:10 PM  Break

2:20 PM  “The Grand Challenge Process”
         Scott VanEpps, MD, PhD, FACEP

2:30 PM  “A Point-of-Care Microfluidic Device for High Frequency and Real-Time Measurement of Biofluid Biomarkers”
         Mark Burns, PhD

3:00 PM  Roundtable Discussion

3:30 PM  Adjourn

The Massey Family Regional/Virtual TBI Conference and Grand Challenge are both made possible thanks to the generosity of the Joyce and Don Massey Family Foundation.
SPEAKERS & PANELISTS

Daniel Spaite, MD. FACEP
Dr. Spaite is a tenured Professor of Emergency Medicine and holds the endowed Virginia Piper Distinguished Research Chair at the University of Arizona College of Medicine. He is the Associate Director of the Arizona Emergency Medicine Research Center, within which he is also the Director of EMS Research.

Dr. Spaite has published over 200 original scientific articles and has presented his research on TBI, cardiac arrest, cardiac arrest trauma systems, and EMS outcomes analysis internationally. He has received more than $15,000,000 in research funding. Dr. Spaite was awarded the Ronald Stewart, MD Career Award by the National Association of EMS Physicians for “outstanding contributions in prehospital care and the development of quality EMS throughout the world.” In 2015, he received the “Outstanding Contributions in Research Award” from the American College of Emergency Physicians.

Mark Burns, PhD
Dr. Burns' collaborative research team constructed the first microfabricated integrated DNA analysis device. He has published on a variety of microfluidic analysis systems and microfluidic pumping systems. His current work centers on constructing inexpensive diagnostic systems for infectious diseases and developing cost effective sensors for a variety of applications.

Dr. Burns has over 150 publications and patents, is a licensed professional engineer and a Fellow of the American Institute for Medical and Biological Engineering. He has won numerous awards including an Engineering Initiation Award from the National Science Foundation, and a Research Excellence Award and a Teaching Excellence Award from the College of Engineering at the University of Michigan.

Scott VanEpps, MD, PhD, FACEP
Dr. VanEpps has a broad multidisciplinary background in the fields of bio/chemical engineering, molecular biology, and medicine. His previous projects successfully combined engineering (both analysis and design) with traditional biological experiments using both in vitro and large animal models. His research focuses on life threatening infections, and in particular those related to implantable medical devices. That work is divided into both rapid diagnostics for bloodstream infection as well as novel treatment strategies.

Mary Jo Kocan, MSN, RN
Mary Jo Kocan is the Clinical Nurse Specialist for the Neuro Intensive Care Unit, Stroke Unit and Surgical Telemetry Unit at the University of Michigan Health System. Her focus is improving care for neuroscience patients through innovative and evidence-based practice. Her current projects include developing an early mobility protocol for Neuro Intensive Care Unit patients and the use of a nursing swallow screen to identify dysphagia following stroke.

James B. Phillips, MBA, PhD, PMP
Dr. Phillips serves as the Neurotrauma Portfolio Manager for the United States Army Medical Research and Development Command (USAMRDC) Combat Casualty Care Research Program. He oversees a team of scientists and administrators for oversight of neurotrauma research and development across the Department of Defense and US Government interagencies.

Prior to this, Dr. Phillips served as the Program Officer within the Office of the Principal Assistant for Acquisition (USAMRDC). Within this capacity, he had government oversight of the Medical Technology Enterprise Consortium (MTEC), USAMRDC’s first acquisition model using the Other Transaction Authority (OTA) for prototypes.
We Power Fearless Innovation

The Michigan Center for Integrative Research in Critical Care (MCIRCC) is the innovation hub for more than 200 critical care researchers across the University of Michigan. As one of the first comprehensive enterprises devoted to transforming critical care medicine, we foster multidisciplinary collaborations between our members—unifying scientists, clinicians, engineers, and industry partners—to accelerate science and deploy cutting-edge solutions that elevate the care, outcomes, and quality of life of the critically ill and injured.
For more information, contact:

**Phil Jacokes, Managing Director**
pjacokes@med.umich.edu
(734) 647-1461

mcircc.umich.edu