



## **Nominations for Appointment to the Grants Working Group (GWG)**

### **Samuel Brown, M.D., M.S.**

Samuel Brown is an attending physician in the Shock Trauma ICU at Intermountain Medical Center and associate professor of pulmonary and critical care at the University of Utah School of Medicine. He graduated summa cum laude from Harvard College in Linguistics with a minor in Russian, then received his MD from Harvard Medical School, where he was a National Scholar and Massachusetts Medical Society Scholar. He completed residency at Massachusetts General Hospital, where he remained on faculty as an Instructor in General Medicine at Harvard Medical School before moving to the University of Utah, where he completed fellowship training. He is Associate Professor of Pulmonary and Critical Care Medicine and Medical Ethics and Humanities at the University of Utah, based clinically at the Shock Trauma ICU at Intermountain Medical Center in Salt Lake City. Dr. Brown is board certified in pulmonary and critical care medicine, and a testamur of the National Board of Echocardiography. His clinical interests include life-threatening infection ("sepsis"), acute lung injury, and the function of the heart and blood vessels during life-threatening illness.

Dr. Brown's research group at the Shock Trauma ICU of Intermountain Medical Center is focused on understanding how the cardiovascular system (heart and arteries) responds to the stresses of severe illness or injury. Using echocardiography (ultrasound of the heart) and complex analysis of rhythms in the vitals signs and organ function of patients with severe illness (primarily sepsis or life-threatening infection) and injury (usually blunt trauma, such as in an automobile accident), they are attempting to understand better how to tailor treatments to specific patients. The broader research group also has decades of experience in researching and treating the Acute Respiratory Distress Syndrome and are founding members of the ARDS Network and the NIH's PETAL Network.

Dr. Brown is also committed to humane, thoughtful analysis of how to behave as healthcare workers caring for seriously ill patients, and performs this research and writing as a faculty member in Medical Ethics and Humanities at the University of Utah. This commitment led to the founding the Center for Humanizing Critical Care at Intermountain, which is designed to develop approaches—derived, tested, and validated with rigorous methodology—that will help to put a human face on critical illness and the intensive care unit. The Center currently supports several interrelated projects with funding from NHLBI, the Intermountain Research and Medical Foundation, and collaborations with other researchers in this domain.