

**LISA H. MERCK MD MPH MA FACEP**

Virginia Commonwealth University / Medical College of Virginia  
Department of Emergency Medicine  
1250 E. Marshall Street  
Main Hospital, Ste. 500  
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Richmond, VA 23298  
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**RESEARCH FOCUS and SPECIALIZATION:**

- Collaborative Clinical Trials in Acute Care Research
- Critical Care
- Pediatric and Adult Neurological Emergencies
- Epidemiology and Health Policy
- Fundamentals of Informed Consent
- Applications of Novel Technology in Clinical Trial Execution

**EDUCATION:**

|                          |                                                                                                                                           |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Undergraduate            | Reed College, Portland, OR (1991-1995)<br>Bachelor of Arts, Psychology, 1995                                                              |
| Medical School           | The Chicago Medical School, North Chicago, IL (7/1998-6/2002)<br>Medical Doctor, 2002                                                     |
| Masters of Public Health | Oregon Health and Sciences University, Portland, Oregon (6/1997-6/2002)<br>Masters of Public Health, Epidemiology and Biostatistics, 2002 |
| Master of the Arts       | Brown University, Providence, RI (7/2018)<br>Master of Arts, ad eundem (upon academic promotion)                                          |

**COMPLETED POSTGRADUATE TRAINING 6/2002-11/2008:**

|                                  |           |                                             |
|----------------------------------|-----------|---------------------------------------------|
| General Surgery Internship PGY I | 2002-2003 | Duke University Medical Center              |
| Neurosurgery Resident PGY II-III | 2002-2005 | Duke University Medical Center              |
| Emergency Medicine Residency     | 2006-2008 | University of North Carolina at Chapel Hill |

**POST GRADUATE HONORS AND AWARDS:**

|             |                                                                                                                                                                                                      |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2026        | Office of the Provost, Grant: Resilience, Advancement, & Discovery in Neurologic Translational Science (RADIANT) Initiative (MPI: Merck, Salloum).<br>Virginia Commonwealth University, Richmond, VA |
| 2023        | Tenure, Professor of Emergency Medicine, Virginia Commonwealth University School of Medicine, Richmond, VA                                                                                           |
| 2019 - 2022 | Teaching Scholar, Office of the Provost, University of Florida, Gainesville, FL                                                                                                                      |

- 2021 Elected by the Society for Academic Emergency Medicine to serve as a liaison to the NIH Center for Scientific Review.
- 2020 Recipient, International Critical Care Congress, Society of Critical Care Medicine - *Star Research Achievement Award*. For abstract, Outcome Prediction with Computer-Assisted Volumetry and ABC/2 in Traumatic Intra-Axial Hemorrhage. Owen Leary, Tyler Harder, David Liu, Stefan Jung, Maria Braileanu, Jason W Allen, Derek Merck, David W. Wright, Lisa H. Merck, Orlando, FL 2/2020.
- 2020 Recipient, International Critical Care Congress, Society of Critical Care Medicine - *Star Research Achievement Award*. For abstract, Patient-Specific Prognostication After TBI Is Related to Bleed Phenotype and Anatomic Location. Tyler Harder, Owen Leary, David Liu, Derek Merck, David W Wright, Lisa H. Merck, Orlando, FL 2/2020.
- 2019 Recipient, *Master of Arts, ad eundem*, Brown University, Providence, RI
- 2018 Recipient, *Outstanding Investigator Award*, Department of Emergency Medicine, Warren Alpert Medical School of Brown University, Providence, RI
- 2018 Acceptance to Association of American Medical Colleges (AAMC) *Mid-Career Women Faculty Leadership Development Seminar*, Atlanta, GA
- 2018 *Certificate of Outstanding Contribution in Reviewing*, American Journal of Emergency Medicine
- 2017 Recipient, Neurocritical Care Society International Conference, *Top Scored Abstract*, for: *Goal Directed Therapy in the ProTECTIII Clinical Trial: The Effect of Physiologic Transgressions on Patient Mortality after Traumatic Brain Injury*. Lisa Merck MD MPH, Sharon Yeatts PhD, Geoff Manley MD PhD, Robert Silbergleit MD, Robin Conwit MD, Qi Pauls MS, Michael Frankel MD, Peter Le Roux MD, Yuko Palesch PhD, David Wright MD.
- 2017 Recipient, Neurocritical Care Society, International Conference, *Top Scored Abstract*, for: *Goal Directed Therapy in the ProTECTIII Clinical Trial: The Effect of Physiologic Transgressions on Patient Functional Outcome after Traumatic Brain Injury*. Lisa Merck MD MPH, Sharon Yeatts PhD, Geoff Manley MD PhD, Robert Silbergleit MD, Robin Conwit MD, Qi Pauls MS, Michael Frankel MD, Peter Le Roux MD, Yuko Palesch PhD, David Wright MD.
- 2015 Recipient, *Translational Impact Award*, Department of Emergency Medicine, Warren Alpert Medical School of Brown University
- 2015 Recipient, *Barnet Fain Quality Award, Honorable Mention*, Rhode Island Hospital Comprehensive Stroke Center
- 2014 Nominated and chosen for *Clinical Trials Methodology Course Cohort*, via R25 grant NINDS, University of Michigan
- 2013 Fellow, American College of Emergency Physicians
- 2011 Emory University Informed Consent for Computed Tomography practice referenced in: *Radiation Safety in Imaging, Best Practices in Health Care*

The Joint Commission Perspectives in Patient Safety. May 2011, Vol 11, Issue 5  
 Joint Commission on Accreditation of Health Care Organizations  
 In reference to, *Informed Consent for Computerized Tomography*

- 2011 Recipient, *Clinical and Translational Science Award* for *Informed Consent for Computed Tomography*. Emory University Research Development Course, Emory University Hospital, Atlanta, Georgia
- 2010 Nominated and chosen to attend the *Navigating the Waters* course, CORD (Council of Emergency Medicine Residency Directors), Orlando, Florida
- 2007 Recipient, *Stroke Mini-Fellowship for Emergency Medicine Residents*. Grant from Novo Nordisk, Protein Design Labs, and Concentric Inc. 5/2007 New York, New York
- 2005 Recipient, *General Surgery/Transplant Surgery Education Fund Grant*, Duke University Medical Center, Durham, North Carolina
- 2001 Recipient, National Health Service Core/Department of Health and Human Services, SEARCH Program of Chicago, IL; stipend awarded for clinical care within underserved region of Chicago

#### **PROFESSIONAL DEVELOPMENT, LICENSES, & BOARD CERTIFICATION:**

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| 2010 – Active License: | American Board of Emergency Medicine    |
| 2022 – Active License: | Commonwealth of Virginia, Medical Board |
| 2019 – Active License: | Florida Medical Board                   |
| 2007 – Active License: | North Carolina Medical Board            |
| 2008 – Active License: | Georgia Medical Board                   |
| 2012 – 2020 License:   | Rhode Island Medical Board              |

#### **ACADEMIC APPOINTMENTS, UNIVERSITY GOVERNANCE:**

##### Virginia Commonwealth University (VCU), Medical College of Virginia, Richmond, VA

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| University Faculty Senate Representative, VCU                                                                                                                      | 6/2026 – 6/2029  |
| University Council Representative, VCU                                                                                                                             | 6/2026 – 6/2028  |
| Resilience, Advancement, & Discovery in Neurologic Translational Science in Neurologic Translational Science (RADIANT) Initiative, Executive Director and MPI, VCU | 3/2026 – current |
| Professor of Emergency Medicine, VCU                                                                                                                               | 5/2022 – current |
| Professor with Tenure, VCU                                                                                                                                         | 6/2023 – current |
| Vice Chair of Research, Department of Emergency Medicine                                                                                                           | 5/2022 – current |
| Medical Director Clinical Trials Collaborative, VCU Health System                                                                                                  | 5/2022 – current |
| Affiliate Professor of Neurosurgery, VCU                                                                                                                           | 7/2025 – current |
| Affiliate Professor of Physical Medicine & Rehabilitation, VCU                                                                                                     | 1/2026 – current |
| Assistant Dean, Acute Care Research & Clinical Trials, VCU COM                                                                                                     | 5/2022 – 7/2025  |

University of Florida College of Medicine, Gainesville, FL

7/2019 – 4/2022 Associate Professor, Department of Emergency Medicine  
 7/2019 – 7/2021 Vice Chair of Emergency Medicine Research  
 7/2021 – 7/2022 Director, Clinical Trials Collaborative  
 5/2021 – 4/2022 Affiliate Associate Professor, Department of Neurology, Neurocritical Care  
 4/2020 – 6/2022 Affiliate Associate Professor, Dept. of Health Outcomes and Biomedical Informatics

Warren Alpert Medical School of Brown University, Providence, RI

8/2019 – current Adjunct Associate Professor of Neurosurgery  
 6/2016 – current Mentor, Scholarly Concentration, Translational Research in Medicine  
 7/2012 – 6/2018 Assistant Professor of Emergency Medicine, Diagnostic Imaging, and Neurosurgery  
 7/2018 – 7/2019 Associate Professor of Emergency Medicine, Diagnostic Imaging, and Neurosurgery  
 1/2016 – 7/2019 Director, Division of Emergency Neurosciences & Critical Care Research, Department of Emergency Medicine

Tufts University, Clinical and Translational Science Institute, Boston, MA

7/2017 – current: Adjunct Associate Professor of Medicine, Division of Clinical Care  
 Research Institute for Clinical Research and Health Policy Studies  
 Scholar, Tufts Clinical and Translational Science Institute

Emory University School of Medicine, Atlanta, Georgia

11/2008 – 6/2012: Assistant Professor of Emergency Medicine  
 Core Faculty, Division of Emergency Neurosciences

**HOSPITAL APPOINTMENTS / CLINICAL SERVICE:**

05/2022 – current Attending Physician: Virginia Commonwealth University Medical Center  
 Main Hospital, Richmond, Virginia  
 07/2019 – 04/2022 Attending Physician: Shands Hospital, Gainesville, FL  
 07/2012 – 07/2019 Attending Physician: Rhode Island Hospital & The Miriam Hospital, Providence, RI  
 11/2008 – 07/2012 Attending Physician: Emory University Hospital, Emory Midtown Hospital,  
 & Grady Memorial Hospital, Atlanta, GA

**OTHER PROFESSIONAL APPOINTMENTS:****INTERNATIONAL:**

2026 Grant review, KU Leuven Industrial Research Fund Council, C2E funding, University of Leuven, Belgium  
 2025 – current World Health Organization: Global Optimization of Respiratory Support Collaboration [health systems improvement; invasive mechanical ventilation; non-invasive support]  
 2025 – current Canadian Emergency Department Research Network / Centre for Research on Pandemic Preparedness and Health Emergencies (CEDRN / CRPPHE) Pandemic Preparedness Steering Committee

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| 2025 – current | Canadian Emergency Department Research Network (CEDRN) Protocol Review Committee                                                                                                                                                                                                                                                                                                                                   |
| 2023 – current | International Initiative for Traumatic Brain Injury Research (InTBIR): Clinical Trials Working Group; Combined Neuroimaging and Biomarkers Working Group                                                                                                                                                                                                                                                           |
| 2022 – current | InTBIR: Imaging Working Group                                                                                                                                                                                                                                                                                                                                                                                      |
| 2017 – current | NIH, National Institute of Neurological Disorders and Stroke (NINDS): Brain Oxygen Optimization in Severe Traumatic Brain Injury - Phase 3 Clinical Trial (BOOST-3), Executive Committee                                                                                                                                                                                                                           |
| 2015 – current | NIH/NINDS: Brain Oxygen Optimization in Severe Traumatic Brain Injury-Phase 3 Clinical Trial (BOOST-3), Co-Lead, Clinical Standardization Team                                                                                                                                                                                                                                                                     |
| 2021 – 2025    | National Institutes of Health (NIH), National Heart, Lung, and Blood Institute (NHLBI): Novel Experimental COVID Therapeutic Agents Targeting RAAS, (NECTAR). Executive Committee: Accelerating COVID-19 Therapeutic Interventions and Vaccines (ACTIV4d) Master Protocol for Clinical Trials targeting host tissue and the renin - angiotensin - aldosterone system (RAAS) in hospitalized patients with COVID-19 |
| 2013           | Scientific Research Department Brain Foundation of the Netherlands, The Hague, Grant Review                                                                                                                                                                                                                                                                                                                        |

#### International, Peer Review:

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| 2025 – current | Reviewer, Critical Care Congress 2026, Chicago, IL                                        |
| 2025 – current | <i>Neurosurgical Review</i> , Springer, Ad-hoc Reviewer, Springer Nature                  |
| 2025 – current | Reviewer, <i>European Journal of Medical Research</i> , Springer Nature                   |
| 2025 – current | Reviewer, <i>Critical Care Medicine</i> , Lippincott                                      |
| 2023 – 2024    | <i>Journal of Clinical and Translational Science</i> , Cambridge Univ Press, Guest Editor |
| 2021 – 2023    | International Stroke Conference, Abstract Review Committee                                |
| 2016 – 2019    | International Stroke Conference, Abstract Review Committee                                |
| 2011 – 2013    | International Stroke Conference, Abstract Review Committee                                |

#### NATIONAL:

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| 2025 – 2026    | Study Section, Grant Review: Autism Data Science Initiative (ADSI), National Institutes of Health (NIH).                                                                                                                                                                                 |
| 2025           | Study Section, Grant Review: Clinical Care and Health Interventions, 2025/05 ZRG1 F16-D (20) L. National Institutes of Health (NIH).                                                                                                                                                     |
| 2024 – 2025    | Department of Defense (DoD): Scientist Reviewer, FY24 Congressionally Directed Medical Research Programs Translational Research - Traumatic Brain Injury and Psychological Health Program (TBIPHRP).                                                                                     |
| 2024 – current | Steering Committee: Enhancing Healthcare Delivery and Patient Outcomes: Noninvasive Wireless Thermal Sensors to Improve Ventricular Shunt Monitoring, Reduce Imaging, and Alleviate the Burden on Providers, Patients, and Families, Rhaeos, Inc                                         |
| 2023 – current | National Institutes of Health (NIH), National Institute of Neurological Disorders and Stroke (NINDS), National Heart, Lung, and Blood Institute (NHLBI): The Strategies to Innovate Emergency Care Clinical Trials Network (SIREN): Education, Training, and Collaboration Working Group |
| 2023 – current | National Neurotrauma Society – Abstract Review Committee                                                                                                                                                                                                                                 |
| 2023 – current | Co-Director, SIREN Extracorporeal Cardiopulmonary Resuscitation (ECPR) Workgroup                                                                                                                                                                                                         |
| 2021 – current | Center for Women in Academic Medicine & Science, member                                                                                                                                                                                                                                  |

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| 2019 – current | NIH/NINDS/NHLBI: SIREN Steering Committee                                                                                                                                                                                                                                                                                                    |
| 2018 – current | Association of American Medical Colleges (AAMC): Group on Women in Medicine and Science (GWIMS), member                                                                                                                                                                                                                                      |
| 2018 – current | NIH/NINDS/NHLBI: SIREN / NETT Operations Committee                                                                                                                                                                                                                                                                                           |
| 2018 – current | NIH/NINDS/NHLBI: Brain Oxygen Optimization in Severe TBI Phase 3 (BOOST3) Clinical Trial Executive Committee                                                                                                                                                                                                                                 |
| 2018 – current | NIH/NINDS/NHLBI: Lead, Electronic Data Capture Committee, SIREN clinical trials network                                                                                                                                                                                                                                                      |
| 2021 – 2025    | Study Steering & Executive Committee: Novel Experimental COVID Therapies Affecting Host Response (NECTAR). Clinical trials targeting macro-, micro-immuno-thrombosis, vascular hyperinflammation, hypercoagulability, and renin-angiotensin-aldosterone system (RAAS) in hospitalized patients with COVID-19 (ACTIV-4 Host Tissue) NIH/NHLBI |
| 2019 – 2024    | Dept of Health and Human Services (DHHS), Agency for Healthcare Research and Quality (AHRQ), Health Care Research Training (HCRT) Study Section Member                                                                                                                                                                                       |
| 2017 – 2023    | NIH/NINDS: External Oversight Board, for the Network for Excellence in Neuroscience Clinical Trials (NeuroNEXT)                                                                                                                                                                                                                              |
| 2023           | AHRQ National Research Service Award, Institutional Research Training T32 Study Section; Special Emphasis Committee                                                                                                                                                                                                                          |
| 2021 – 2022    | Society for Critical Care Medicine Membership Committee, Florida Chapter                                                                                                                                                                                                                                                                     |
| 2021 – 2022    | Co-Chair: Society for Academic Emergency Medicine, Neurologic Emergencies Interest Group                                                                                                                                                                                                                                                     |
| 2020           | AHRQ: Patient Centered Outcomes Research (PCOR) Grants and Cooperative Agreements to Evaluate Health System and Healthcare Professional Responsiveness to COVID-19, Study Section Member, Department of Health and Human Services                                                                                                            |
| 2020 – 2022    | PCOR: Healthcare Worker Exposure Response and Outcomes (HERO), Ancillary Sub-Committee, Publications                                                                                                                                                                                                                                         |
| 2019 – 2020    | DoD: Scientific Reviewer for the 2019 Peer Reviewed Medical Research Program                                                                                                                                                                                                                                                                 |
| 2019 – 2020    | Neurotrauma, National Trauma Research Action Plan (NTRAP) The NTRAP project is supported by a grant from the Department of Defense, managed by the Coalition for National Trauma Research (CNTR)                                                                                                                                             |
| 2019 – 2020    | DoD: United States Army Medical Research and Materiel Command, Military Medical Research and Development. (MRMC Combat Casualty Care [CCC]), Scientific Reviewer                                                                                                                                                                             |
| 2018 – 2019    | NIH/NINDS: Scientific Reviewer, StrokeNet Clinical Trials and Biomarker Studies for Stroke Treatment, Recovery, and Prevention                                                                                                                                                                                                               |
| 2018 – 2019    | Clinical and Translational Research Institute (CTSI): Chair, Tufts Emergency Medicine Expert Panel                                                                                                                                                                                                                                           |
| 2014 – 2019    | Society for Academic Emergency Medicine, Ethics Committee                                                                                                                                                                                                                                                                                    |
| 2018           | Society for Academic Emergency Medicine, National Meeting Abstract Review                                                                                                                                                                                                                                                                    |
| 2018 – 2020    | Society for Academic Emergency Medicine, Research Committee                                                                                                                                                                                                                                                                                  |
| 2017           | DoD: Congressionally Directed Medical Research Programs (CDMRP) - Scientific Reviewer, Combat Casualty Care Research Program (CCCRP)                                                                                                                                                                                                         |
| 2017 – 2019    | CTSI: Tufts, Tufts Medical Center - Emergency Medicine Expert Panel                                                                                                                                                                                                                                                                          |
| 2015 – 2016    | Department of Health and Human Services (DHHS), NIH: Scientific Reviewer, Health Services Organization and Delivery Study Section (HSOD), Healthcare Delivery and Methodologies Integrated Review Group                                                                                                                                      |
| 2015           | DoD: Congressionally Directed Medical Research Programs - Scientific Reviewer, Clinical Trials Section                                                                                                                                                                                                                                       |
| 2014 – 2015    | DHHS, NIH: Scientific Reviewer, Health Services Organization and Delivery Study                                                                                                                                                                                                                                                              |

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| 2009 – 2019 | Section (HSOD), Healthcare Delivery and Methodologies Integrated Review Group<br>NIH/NINDS: Very Early Administration of Progesterone for Acute Traumatic Brain Injury (ProTECT III) - Clinical Standardization Team |
| 2015 – 2016 | Chair, Society for Academic Emergency Medicine, Neurologic Emergency Research Interest Group                                                                                                                         |
| 2014 – 2015 | Vice Chair, Society for Academic Emergency Medicine, Neurologic Emergency Research Interest Group                                                                                                                    |
| 2014 – 2015 | National Task Force, Patient Centered Outcomes Research, Society for Academic Emergency Medicine, Consensus Conference on Diagnostic Imaging in the ED: A Research Agenda to Optimize Utilization                    |
| 2013 – 2014 | Society for Academic Emergency Medicine: Neurological Emergencies Committee, Consensus Conference on Gender Specific Medicine                                                                                        |
| 2012        | Society for Academic Emergency Medicine- Member, Research Committee                                                                                                                                                  |
| 2011 –      | Ad-hoc Reviewer, Journal of Neurotrauma, Mary Ann Leibert Inc.                                                                                                                                                       |
| 2011 –      | Ad-hoc Reviewer, Academic Emergency Medicine, Wiley Blackwell                                                                                                                                                        |
| 2011 –      | Ad-hoc Reviewer, Annals of Emergency Medicine, Elsevier                                                                                                                                                              |
| 2011 –      | Ad-hoc reviewer, West J of Emergency Medicine, Dept of EM, UC Irvine                                                                                                                                                 |
| 2010 –      | Society for Academic Emergency Medicine, Neurologic Emergencies Interest Group                                                                                                                                       |
| 2009        | Society for Academic Emergency Medicine, Task Force: Residents as Researchers 2009<br>Ad-hoc reviewer, Emergency Medicine Reports, AHC Media LLC                                                                     |
| 2010 – 2012 | Ad-hoc reviewer, Critical Care, BioMed Central                                                                                                                                                                       |
| 2010 –      | Ad-hoc Reviewer, American Journal of Emergency Medicine, Elsevier                                                                                                                                                    |

### **HOSPITAL / DEPARTMENTAL COMMITTEES & ACTIVITIES:**

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|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2026 – current | Attending Physician - Unique Pathogens Unit, Virginia Commonwealth University Health System (VCUHS)                                                                      |
| 2025 – current | VCU - VCUHS Trauma Multidisciplinary Patient Care Committee                                                                                                              |
| 2022 – current | Advanced Resuscitation Cooling Therapeutics and Intensive Care Leadership Committee (ARCTIC), VCUHS - Core Clinical Faculty                                              |
| 2022 – current | Director, Clinical Trials Collaborative, VCUHS/VCU                                                                                                                       |
| 2022 – current | Lead, Research Operations Committee, Department of Emergency Medicine, VCU                                                                                               |
| 2026 – 2027    | Chair, Promotion and Tenure Committee for Lindsay Taylor MD FACEP FAEMUS, Associate Professor of Emergency Medicine, Co-Director of Emergency Ultrasound Fellowship, VCU |
| 2026 – 2027    | Chair, Promotion and Tenure Committee for Michelle Troendle MD FACEP, Associate Professor of Emergency Medicine, Toxicology, VCU                                         |
| 2026 – 2027    | Promotion and Tenure Committee for Nathan Lewis MD FACEP, Clerkship Director Assistant Residency Program Director, Associate Professor of Emergency Medicine, VCU        |
| 2026 – 2027    | Promotion and Tenure Committee for Pawan Suri MD, Associate Professor of Emergency Medicine and Division Head of Observational Medicine, VCU                             |
| 2025 – 2026    | Chair, Promotion and Tenure Committee for John Michael Joyce MD, Associate Professor of Emergency Medicine & Diagnostic Imaging, VCU                                     |
| 2025 – 2026    | Chair, Promotion and Tenure Committee for Megan Donohue MD MPH, Assistant Professor of Emergency Medicine & Internal Medicine, VCU                                       |
| 2024 – 2025    | Promotion and Tenure Committee for Taruna Aurora MD, Assistant Professor of Emergency Medicine & Internal Medicine, VCU                                                  |
| 2023 – 2026    | VCU - VCUHS Collaboration Taskforce                                                                                                                                      |
| 2024           | VCU School of Medicine (SOM) Leadership Academy, Office of Faculty Affairs and                                                                                           |

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|             | Faculty Development                                                                                         |
| 2022 – 2025 | Emergency Medicine Faculty Search Committee, VCU                                                            |
| 2020 – 2022 | One Florida Clinical Research Consortium                                                                    |
| 2020 – 2022 | Co-chair, Wellness Committee Dept of Emergency Medicine, University of Florida                              |
| 2020 – 2021 | COVID Response Command Center, University of Florida                                                        |
| 2019 – 2021 | Faculty Search Committee, Dept of Emergency Medicine, University of Florida                                 |
| 2019 – 2021 | Chair, Research Committee, Dept of Emergency Medicine, University of Florida                                |
| 2019 – 2022 | Promotion and Tenure Committee, Dept of Emergency Medicine, University of Florida                           |
| 2018        | Peer review, University Emergency Medicine Foundation, Faculty Academic Development Award, Brown University |
| 2018 – 2019 | 2% Working Group, Dept of Emergency Medicine Brown University                                               |
| 2018 – 2019 | Revenue Enhancement Committee, Dept of Emergency Medicine Brown University                                  |
| 2017 – 2018 | Trauma Committee, Rhode Island Hospital                                                                     |
| 2014 – 2019 | Institutional Review Board, Rhode Island Hospital                                                           |
| 2014 – 2019 | Rapid Response Team, Institutional Review Board, Rhode Island Hospital                                      |
| 2013 – 2019 | Stroke Committee, Rhode Island Hospital                                                                     |
| 2012 – 2013 | Emergency Department MRI Committee, Rhode Island Hospital                                                   |
| 2009 – 2010 | Grady Trauma Committee, Grady Memorial Hospital, Atlanta, GA                                                |
| 2003 – 2005 | Emergency Management Sub-Committee, Duke University Medical Center, Durham, NC                              |

### **UNIVERSITY COMMITTEE & COUNCIL SERVICE:**

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| 2026 – current | Resilience, Advancement, & Discovery in Neurologic Translational Science (RADIANT) Initiative; Contact MPI/Executive Director, VCU, Richmond, VA |
| 2025 – current | Enterprise Neurosciences, Steering Committee, Neurosurgery, VCU, Richmond, VA                                                                    |
| 2024 – current | Institutional Review Board (IRB), VCU, Richmond, VA                                                                                              |
| 2024 – current | Peer-Review Committee for Promotion and Tenure, Department of Emergency Medicine, VCU, Richmond, VA                                              |
| 2023 – current | Member, Center for Rehabilitation Science and Engineering (CERSE), Research Capacity Building Council, VCU, Richmond, VA                         |
| 2023 – current | Grant reviewer, MD-PhD Wright Scholar Grant Review Panel, VCU, Richmond, VA                                                                      |
| 2022 – current | Director, Research, Education, and Mentorship cycle (REM cycle), VCU/VCUHS, Richmond, VA                                                         |
| 2022 – current | Chair, Research Committee, Department of Emergency Medicine, VCU, Richmond, VA                                                                   |
| 2022 – current | Member, Operations Committee, Wright Center for Clinical and Translational Research, VCU, Richmond, VA                                           |
| 2022 – current | Member, Faculty Executive Committee, VCU, School of Medicine, Richmond, VA                                                                       |
| 2022 – current | Director, Clinical Trials Collaborative VCU/VCUHS, Richmond, VA                                                                                  |
| 2024 – 2025    | Clinical Operations Service Agreement (COSA) / Clinical Education and Research Service Agreement Review Committee, VCU/VCUHS, Richmond, VA       |
| 2023 – 2025    | Member, Chair's Interdepartmental Research Collaboration, VCU/VCUHS, Richmond, VA                                                                |
| 2023 – 2024    | Member, One VCU Human Research and Clinical Trials - Initiative (HRCT-I) Advisory Council, VCU/VCUHS, Richmond, VA                               |
| 2023 – 2024    | Co-Chair, Operations Sub-Committee, HRCT-I, VCU/VCUHS, Richmond, VA                                                                              |
| 2023 – 2024    | Member, Regulatory Sub-Committee, HRCT-I, VCU/VCUHS, Richmond, VA                                                                                |
| 2022           | Member, Thesis Review Committee, Clinical and Translational Sciences, Master of Science (MS) VCU, Richmond, VA                                   |
| 2021 – 2022    | University of Florida / Florida State University CTSA Scientific Review Committee                                                                |
| 2020 – 2022    | Steering and Advisory Committee, University of Florida Traumatic Brain Injury Center                                                             |
| 2020 – 2022    | COVID-19 Scientific Review Committee and Peer Assistance Working Group (SRCWG)                                                                   |



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| 2020 – 2022 | Institutional Review Board-01, University of Florida, Gainesville, FL                                             |
| 2015 – 2019 | Pediatric Emergency Medicine Research Committee, Brown University, Providence, RI                                 |
| 2014 – 2019 | Institutional Review Board, Rhode Island Hospital (for Brown University health sciences research), Providence, RI |
| 2012        | University Research Council, Review Committee, Emory University, Atlanta, GA                                      |
| 2009 – 2012 | Institutional Review Board, Emory University, Atlanta, GA                                                         |
| 2009 – 2012 | Center for Injury Control, Emory University, Atlanta, GA                                                          |
| 2009 – 2012 | Emergency Medicine Wellness Committee, Emory University, Atlanta, GA                                              |
| 2008 – 2012 | Emergency Medicine Research Committee, Emory University, Atlanta, GA                                              |
| 2006 – 2007 | Resident Quality Council, University of North Carolina, Chapel Hill, NC                                           |
| 2000        | Institutional Review Board, The Chicago Medical School, North Chicago, IL                                         |
| 1999 – 2000 | Student Council, The Chicago Medical School, North Chicago, IL                                                    |
| 1999 – 2001 | President, Clinical Research Interest Group, The Chicago Medical School, North Chicago, IL                        |
| 1998 – 1999 | President, Emergency Medicine Clinical Research Interest Group, The Chicago Medical School, North Chicago, IL     |
| 1991 – 1995 | Student Chair, Wellness Committee/HIV counseling center development, Reed College, Portland, OR                   |

## **GRANTS & CLINICAL RESEARCH:**

### **Active Extramural:**

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| 2023 – current | <p>SIREN   CORE-EM Hub Alliance</p> <p>Network for Emergency Care Clinical Trials: Strategies to Innovate EmeRgENcy Care Clinical Trials Network (SIREN)</p> <p>NIH NHLBI NINDS U24NS100673-06 (MPI: Merck- contact, Wright, Papa, Selker, Mosier, Jones)</p> <p>2/1/2023 – 1/31/28</p> <p>Role: Multiple Principal Investigator, contact-PI</p>                                                                                                                                                              |
| 2026 – current | <p>Demonstrating Blood Conservation with PM-208: Generating robust in-vivo translational evidence that the breakthrough therapeutic PM-208 can reduce whole blood requirements in the treatment of hemorrhagic shock, accelerating the path to FDA approval and the drug's commercial availability (MPI: Mangino, Merck, Muck)</p> <p>Virginia Biosciences Health Research Corporation, Virginia Catalyst / Perfusion Medical</p> <p>5/1/26 – 2/29/2028</p> <p>Role: MPI, Clinical Principal Investigator</p> |
| 2025 – current | <p>Ketamine add-on therapy for Established Status Epilepticus Treatment Trial (KESETT)</p> <p>NIH NINDS <a href="#">1UG3NS131532-01A1</a> (MPI: Kapur, Chamberlain, Rosenthal, Silbergleit)</p> <p>1/15/2025 – 12/31/2030</p> <p>Role: Hub Principal Investigator, Site Principal Investigator</p>                                                                                                                                                                                                            |
| 2025 – current | <p>WIN Ration Analysis to Determine a Strategy of Non-Invasive Support for Respiratory Failure in the Emergency Department (WINDSURFER).</p> <p>NHLBI 1UG3HL175260-01 (Wang, Mosier, Tidswell)</p> <p>09/15/2025 - 9/14/2030</p> <p>Role: Hub Principal Investigator</p>                                                                                                                                                                                                                                      |
| 2025 – current | <p>Fluid management of Acute decompensated heart failure Subjects Treated with</p>                                                                                                                                                                                                                                                                                                                                                                                                                            |

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|                | <p>Relieve System - FASTR II Trial.<br/> Relieve Cardiovascular Inc.<br/> 9/2025 – 9/2027<br/> Role: Site Principal Investigator</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 2025 – current | <p>Corticotrophin Releasing Factor 2 Agonist for the Treatment of Worsening Heart Failure (WHF) – The CRAFT-WHF Study<br/> Protocol Number COR1167-201<br/> EU CT number: 2024-518951-52<br/> 9 September 2025 – current<br/> Corteria Pharmaceuticals<br/> Role: Site Principal Investigator</p>                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 2024 – current | <p>Development of wireless, wearable flow sensors for continuous, long-term tracking of cerebrospinal fluid dynamics in patients with hydrocephalus.<br/> NIH NINDS 1UG3NS130338-01A1 (PI: Webb)<br/> <u>Subaward</u>: Long-Term Tracking of Fluid Dynamics in Cerebrospinal Fluid Shunts with a Wireless Thermal Anisotropy Measurement Device During Activities of Daily Living Including Sleep (Site PI, Merck)<br/> 9/01/2024 – 12/31/2025<br/> Role: Site Principal Investigator</p>                                                                                                                                                                                                                                |
| 2024 – current | <p>Enhancing Healthcare Delivery and Patient Outcomes: Noninvasive Wireless Thermal Sensors to Improve Ventricular Shunt Monitoring, Reduce Imaging, and Alleviate the Burden on Providers, Patients, and Families<br/> NINDS NIH NIH NINDS 2R44NS121555-04 (PI Somera)<br/> <u>Subaward</u>: Assessment of Flow in Cerebrospinal Fluid Shunts with a Wireless Thermal Anisotropy Measurement Device in Asymptomatic Patients (Site PI, Merck)<br/> <u>Subaward</u>: Repeated Assessment of Flow in Cerebrospinal Fluid Shunts with a Wireless Thermal Anisotropy Measurement Device in an Emergent Setting (Site PI, Merck)<br/> 12/09/2024 – 11/30/2025<br/> Role: Site Principal Investigator, Steering Committee</p> |
| 2024 – 2025    | <p>Development of a Noninvasive, Wireless Telemedicine Flow Sensor for Patients with Hydrocephalus (PI Somera)<br/> <u>Subaward</u>: Longitudinal Measurements of Flow in Cerebrospinal Fluid Shunts with a Wireless Thermal Anisotropy Measurement Device in People with Chronic Headaches (Site PI, Merck)<br/> NSF SBIR Phase II FAIN 2037171<br/> 7/18/2024 - 12/31/2025<br/> Role: Site Principal Investigator</p>                                                                                                                                                                                                                                                                                                  |
| 2023 – current | <p>Patterns of Survivors' Recovery Trajectories in the ICECAP trial (POST-ICECAP)<br/> NIH K00021632 (PI Meurer)<br/> 06/01/2023-05/31/2028<br/> Role: Hub Principal Investigator, Site Principal Investigator</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 2018 – current | <p>Brain Oxygen Optimization in Severe Traumatic Brain Injury-Phase 3 (BOOST-3) CCC<br/> NIH / NINDS U01NS099046-01A1 (MPI: Barsan, Dias, Shutter, Yeatts)<br/> International, 60 center, adult and pediatric randomized clinical trial to assess the effect of Pbt02 in goal directed therapy for severe TBI.</p>                                                                                                                                                                                                                                                                                                                                                                                                       |

07/01/2018 – 11/30/2025

Direct Cost: Administrative effort (20% FTE) and per pt reimbursement

Roles: Hub Principal Investigator; Executive Committee; Co-Director, National Clinical Standardization Team

- 2019 – current      Influence of cooling duration on efficacy in cardiac arrest patients (ICECAP)  
NIH / NINDS / NHLBI 1UG3HL145269-01A1 (MPI: Meurer, Romergryko, Silbergleit)  
9/19/2019 – 12/31/2026  
Direct cost: per pt reimbursement  
Role: Hub Principal Investigator, Site Principal Investigator
- 2024 – current      Multi-Arm Multi-Stage Adaptive Platform Trial for Acute Treatment TBI (APT-TBI-01) TBIDT-MOD1 UCSF, TRACK-TBI NET, Transforming Research and Clinical Knowledge in Traumatic Brain Injury Clinical Trials Network  
UCSF / DoD NCT05826912 (PI Manley)  
Direct cost: per pt reimbursement  
12/2024 – 8/2029 UCSF (Manley)  
Role: Site co-investigator
- 2023 – current      Wright Regional Center for Clinical and Translational Science  
National Center for Advancing Translational Sciences: UM1TR004360 (FG Moeller)  
5/1/2023-4/30/2030  
Project Goal: The overall goal is to develop methods that overcome roadblocks in clinical and translational science (CTS) to support equitable advancement of translational science across our rural and diverse region that can be deployed throughout the CTSA network  
Direct cost: Administrative effort (10% FTE)  
Role: Site Co-Investigator, Operations Committee
- 2019 – current      Biomarkers in the Brain Oxygen Optimization in Severe TBI Trial (Bio-BOOST)  
DOD, USAMRAA W81XWH1910829 (MPI: Diaz, Korley)  
Direct cost: per pt reimbursements  
Role: Hub Principal Investigator
- 2022 – current      TRACK-TBI NET, Transforming Research and Clinical Knowledge in Traumatic Brain Injury Clinical Trials Network  
Multi-Arm Multi-Stage Adaptive Platform Trial for Acute Treatment TBI TBIDT-MOD1 UCSF (Manley)  
11/2022 – TBD UCSF (Manley)  
Role: Site co-investigator / Clinical PI

### **Active Intramural:**

- 2026 – current      Resilience, Advancement, & Discovery in Neurologic Translational Science (RADIANT) Initiative (MPI: Merck, Salloum). Office of the Provost, Virginia Commonwealth University. Role: Contact MPI/Executive Director

**Grants in preparation:**

- 2024 – ECPR-INSIGHT, Implementation of an optimized extracorporeal CPR (ECPR) chain-of-survival bundle. Jarrod Mosier, Lisa Merck for the SIREN investigators; *application in preparation: NHLBI, NINDS*
- 2025 – Window for Initiating Treatment of OWL-1410 for Traumatic Brain Injury (WIT-TBI) trial. Will Haskins, Lisa Merck, *in review NINDS*

**Prior research:**

- 2024 – 2025 Assessment of flow in cerebrospinal fluid shunts with a wireless thermal anisotropy measurement device in asymptomatic patients.  
Protocol ID: Rhaeos 2023-03, RB  
Revision Date: January 25, 2024  
Sponsor: Rhaeos, Inc., Evanston, IL  
6/1/24 – 5/30/25  
Role: Site Principal Investigator
- 2022 – 2025 Feasibility Study of a Single Platform Solution (SPS) for Blood Testing of TBI Biomarkers  
Army Medical Research and Materiel Command (AMRMC); TBIPHRP; W81XWH22C0059 (PI: William Haskins PhD)  
W81XWH22C0059-LM (sub PI: Lisa Merck MD MPH)  
9/26/22-3/26/25  
Role: Clinical PI
- 2021 – 2024 Accelerating COVID-19 Therapeutic Interventions and Vaccines (ACTIV4d).  
Master Protocol for Clinical Trials targeting host tissue and the renin-angiotensin - aldosterone system (RAAS) in hospitalized patients with COVID-19.  
Novel Experimental CCOVID Therapeutic Agents targeting RAAS, (NECTAR).  
CONNECTS Master Protocol for Clinical Trials Targeting Macro-, Micro-immuno-thrombosis, Vascular Hyperinflammation, and Hypercoagulability and Renin-angiotensin-aldosterone System (RAAS) in Hospitalized Patients With COVID-19 (ACTIV-4 Host Tissue).  
NHLBI NCT04924660 (PI: Collins)  
8/1/2021 – 09/30/24  
Direct cost: Administrative effort and per pt reimbursement  
Role: Site Co-Investigator, Executive Committee
- 2022 – 2024 Transforming Research and Clinical Knowledge in TBI (TRACK-TBI): Clinical Evaluation of the i-STAT TBI Test  
Abbot Pharmaceuticals, Univ of California San Francisco (UCSF), (Manley)  
11/2022 – 07/2024  
Role: Site Principal Investigator
- 2017 – 2022 SIREN | CORE-EM Hub Alliance  
Network for Emergency Care Clinical Trials: Strategies to Innovate EmeRgENcy Care Clinical Trials Network (SIREN)  
NIH NHLBI NINDS 1 U24 NS100673-01 (MPI: Wright-contact, Merck, Papa, Selker, Cairns, Jones)

07/15/2017 – 12/31/2022  
Role: Multiple Principal Investigator

- 2022 – 2024      AdvanceBox  
Nimbus Research Laboratory, LLC  
Non-clinical PI at Lifespan, in kind  
Community resource architecture to assist in bystander life support measures
- 2021 – 2022      Early intervention augmenting GABA-ergic pathways: The VIGAB-STAT IIa  
VIGABatratin in post-anoxic STATUS epilepticus. Outcomes after cardiac arrest depend on the severity of global brain injury resulting from the ongoing injury due to gaps between brain energy supply and demand (secondary brain injury). Our overarching goal is to improve outcomes of individuals who experience refractory seizures after cardiac arrest via an open-label trial using Vigabatrin. The goal of this study is to demonstrate that vigabatrin can be absorbed when given in the post-cardiac arrest period.  
American Heart Association (PI: Maciel)  
Role: Site Co-investigator, Faculty Mentor
- 2020 – 2022      Epidemiology of COVID-19 in First Responders  
CTSI: Rapid-Response Translational Research Projects to Address COVID-19 Pandemic  
UL1TR001429, NIH NCATS (MPI: Merck, Morris)  
4/29/20 – 6/1/22  
Role: MPI
- 2020 – 2021      COVID-19 Among Children in North Central Florida  
CTSI: Rapid-Response Translational Research Projects to Address COVID-19 Pandemic  
UL1TR001429, NIH NCATS (MPI: Nelson, Morris)  
6/1/20 – 6/1/22  
Role: Site Co-Investigator
- 2021 – 2022      Accelerating COVID-19 Therapeutic Interventions and Vaccines (ACTIV4c)  
A multicenter, adaptive, prospective, randomized trial evaluating the efficacy and safety of antithrombotic strategies in patients with COVID-19 following hospital discharge.  
NINDS, NHLBI, BARDA, OWS, HHS (PI: Ortel)  
4/29/21 – 8/30/22  
Direct cost: per pt reimbursement  
Role: Site Principal Investigator
- 2021 – 2022      CoVPN 3006 A randomized controlled study to assess SARS CoV-2 infection, viral shedding, and subsequent potential transmission in university students immunized with Moderna COVID-19 Vaccine  
NIH / NIAID  
Role: Site Co-investigator
- 2021 – 2022      Kinetics of Antibody, B Cell and T Cell Responses to SARS-CoV-2 mRNA Vaccines in Solid tumor and Lymphoma Patients.  
Comparative Diagnostic and Population Medicine College of Veterinary Medicine  
University of Florida Veterinary Medicine (PI: Maureen T. Long DVM PhD)  
Role: Co-investigator
- 2021 – 2022      Multi-arm Optimization of Stroke Thrombolysis (MOST): a single blinded, randomized

controlled adaptive, multi-arm, adjunctive-thrombolysis efficacy trial in ischemic stroke.  
(MOST)

NINDS U01 NS100699 (MPI: Adeoye, Grotta)

6/11/21- 2/2024

Direct cost: per pt reimbursement

Role: Site Principal Investigator

- 2021 – 2022      Sensor Evaluation of Neurologic Status in Emergencies (SENSE Device), SENSE-003. A Prospective, Two-Stage, Non-randomized, Multi-center Within Patient Comparison Study to Evaluate the SENSE Device's Ability to Monitor Intracranial Hemorrhage.  
SENSE Diagnostics (PI: Opeolu Adeoye)  
Direct cost: per pt reimbursement  
Role: Site Principal Investigator
- 2020 – 2021      Accelerating COVID-19 Therapeutic Interventions and Vaccines (ACTIV4b)  
COVID-19 Outpatient Thrombosis Prevention Trial: A multicenter adaptive randomized placebo-controlled platform trial evaluating the efficacy and safety of antithrombotic strategies in COVID-19 adults not requiring hospitalization at time of diagnosis.  
NHLBI (PI: Connors)  
9/1/20-9/1/21  
Direct cost: per pt reimbursement  
Role: Site Principal Investigator
- 2020 – 2021      Clinical-trial of COVID-19 Convalescent Plasma in Outpatients (C3PO)  
A multicenter, two arm, randomized, single-blind trial clinical trial to determine if receiving one dose of convalescent plasma (CP) for mild COVID-19 illness prevents illness progression.  
7/1/20 – 12/31/22  
NIH NHLBI NINDS U24NS100659, U24NS100655 (MPI: Callaway; Durkalski-Mauldin; Korley, MD, PhD)  
Direct cost: per patient reimbursement  
Role: Site Principal Investigator
- 2020 – 2021      A Phase 2/3 Randomized, Placebo-Controlled, Double-Blind Clinical Study to Evaluate the Efficacy, Safety, and Pharmacokinetics of MK-4482 in Hospitalized Adults with COVID-19 (MK-4482)  
Merck, Sharp, & Dohme Corp  
10/23/2020-10/22/2021  
Direct Cost: Per pt reimbursement  
Role: Site Co-investigator
- 2020 – 2021      A Randomized Controlled Trial of Losartan with COVID-19 (ALPS-COVID)  
Bill and Melinda Gates Foundation (Tignanelli and Puskasich)  
University of Minnesota, IND 148365  
4/15/20 – 5/15/21  
Total Award: per pt reimbursement  
Direct cost: per pt reimbursement  
Role: Site Principal Investigator

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| 2020 – 2021 | <p>A Phase 3, Randomized, Double-Blind, Placebo-Controlled, Multicenter Study to Assess the Efficacy and Safety of Ruxolitinib in Participants With COVID-19-Associated ARDS Who Require Mechanical Ventilation (RUXCOVID-DEVENT)</p> <p>Incyte Corporation: INCB018424-369</p> <p>5/24/20 – 4/30/21</p> <p>Direct cost: per pt reimbursement</p> <p>Role: Site Principal Investigator</p>                                                                                                      |
| 2020 – 2021 | <p>R10933-10987-COV-2067: A Master Protocol Assessing the Safety, Tolerability, and Efficacy of Anti-Spike (s) SARS-CoV-2 Monoclonal Antibodies for the Treatment of Ambulatory Patients with COVID-19</p> <p>Regeneron Pharmaceuticals: Grant #: HHSO100201700020C</p> <p>10/1/20 – 3/31/21</p> <p>Total Award: Per pt reimbursement</p> <p>Role: Site Co-investigator</p>                                                                                                                     |
| 2018 – 2020 | <p>Artificial Intelligence for Modeling and Treatment of Stroke and Traumatic Brain Injury (AIM Study)</p> <p>NIH/NCATS 5U24TR001609-02 (Hanley)</p> <p>Johns Hopkins - Tufts Trial Innovation Center Subaward #2003844252 (MPI: D Merck and L Merck)</p> <p>05/01/2018 – 04/30/2020</p> <p>Role: Principal Investigator</p>                                                                                                                                                                    |
| 2020 – 2021 | <p>Preventing COVID-19 Infections: Healthcare Worker Exposure Response and Outcomes (HERO) Registry and Hydroxychloroquine (HERO-HCQ) Trial</p> <p>PCORI COVID 19-2020-001 (Adrian Hernandez)</p> <p>3/31/20 – 6/30/21</p> <p>Role: Site Principal Investigator, Publications Committee</p>                                                                                                                                                                                                     |
| 2017 – 2020 | <p>Established Status Epilepticus Treatment Trial (ESETT)</p> <p>NIH / NINDS 1U01NS088034 (Kapur)</p> <p>09/30/2014 – 08/31/20</p> <p>Direct cost/year: per patient enrollment</p> <p>This study is designed to determine the most effective and/or the least effective treatment of ESE among patients older than two years by comparing three arms: fosphenytoin (FOS), levetiracetam (LEV), and valproic acid (VPA).</p> <p>Role: Site Principal Investigator (effort per pt enrollment)</p> |
| 2018 – 2019 | <p>Tufts Clinical and Translational Science Institute</p> <p>NIH/NCATS UL1TR002544 (Selker)</p> <p>NIH Sub 102188-00001(Merck)</p> <p>Chair, Tufts Clinical and Translational Research Institute, Emergency Medicine Expert Panel</p> <p>09/01/2018-04/30/2023</p> <p>Role: Co-Investigator</p>                                                                                                                                                                                                 |
| 2018 – 2019 | <p>The ACCESS Trial, Access to the cardiac catheterization laboratory in patients without ST-segment elevation myocardial infarction resuscitated from out-of-hospital ventricular fibrillation cardiac arrest</p> <p>NIH/NHLBI 5U01HL133818-02 (Aufderheide and Yannopoulos)</p>                                                                                                                                                                                                               |

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|             | <p>9/15/2016-5/31/2021</p> <p>Direct cost/year: per patient enrollment</p> <p>Determine survival to hospital discharge with Modified Ranking Scale Score <math>\leq 3</math> in adult 18-75 years old) patients resuscitated from out-of-hospital VT/VF cardiac arrest who do not have ST-segment elevation on emergency department 12-lead ECG (no-STEMI) randomized to receive either: 1) initial CCL admission, or 2) initial ICU admission.</p> <p>Role: Site Principal Investigator</p>                                                                                                                                         |
| 2019        | <p>Randomized, Controlled, Single-blind Study of Probable Benefit of the <i>Neuro-Spinal Scaffold</i>™ for Safety and Neurologic Recovery in Subjects with Complete Thoracic AIS A Spinal Cord Injury as Compared to Standard of Care In Vivo Therapeutics: InVivo-100-105</p> <p>Role: Site Co-Investigator</p>                                                                                                                                                                                                                                                                                                                     |
| 2018        | <p>Spring</p> <p>Vertex Pharmaceuticals Incorporated VX15-210-101</p> <p>A Phase 2b/3, Double-blind, Randomized, Placebo-controlled, Multicenter Study to Assess the Efficacy and Safety of VX-210 in Subjects with Acute Traumatic Cervical Spinal Cord Injury</p> <p>IND Number: 11,672</p> <p>Role: Site Co-Investigator</p>                                                                                                                                                                                                                                                                                                      |
| 2018 – 2019 | <p>Southern New England Partnership in Stroke Research, Innovation, and Treatment (SPIRIT)</p> <p>NIH/NINDS 1U24NS107215-01 (Sheth, Alberts, Furie)</p> <p>8/15/2018 – 7/31/2019</p> <p>Role: Site Co-Investigator</p>                                                                                                                                                                                                                                                                                                                                                                                                               |
| 2016 – 2017 | <p>ProTECT3D</p> <p>NIH / NINDS 5 U01 NS062778-05REV (Wright)</p> <p>Subaward T721754 (MPI: Merck/Merck)</p> <p>9/1/2016 – 6/30/2017 (NCE)</p> <p>Role: Principal Investigator</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 2016 – 2017 | <p>PERSEUS: Targeted Delivery of Multi-Parametric Telemetry Clinical Messages to Mitigate Alarm Fatigue</p> <p>AHRQ R18 HS022860 (Kobayashi)</p> <p>10/01/2014 – 09/30/2017</p> <p>Role: Site Co-Investigator</p>                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 2013 – 2017 | <p>Progesterone for the Treatment of Traumatic Brain Injury (ProTECT III) NIH / U01NS062778 (Wright)</p> <p>07/01/2009 – 07/30/2017 (NCE)</p> <p>Direct Award: individual administrative and per patient enrollment</p> <p>The primary objective is to determine the effect of administering intravenous progesterone (initiated within 4 hours of injury and administered for 72 hours, followed by an additional 24 hour taper) vs. placebo for treating victims of moderate to severe (GCS 12-4) TBI.</p> <p>Roles: National Clinical Standardization Team National Publications Committee</p> <p>Site Principal Investigator</p> |



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| 2017 – 2020 | <p>ESCAPE-NA1 Trial<br/> A Multicenter, Randomized, Double-blinded, Placebo-controlled, Parallel Group, Single- dose Design to Determine the Efficacy and Safety of Intravenous NA-1 in Subjects with Acute Ischemic Stroke Undergoing Endovascular Thrombectomy<br/> NoNO Inc. Krembil Research Institute (Hill)<br/> 3/1/2017 – 4/2020<br/> Role: Site Co-Investigator</p>                                                                                                                                                                                                          |
| 2016 – 2018 | <p>Endovascular Therapy Following Imaging Evaluation for Ischemic Stroke 3 (DEFUSE3)<br/> NIH / NINDS 1U01NS092076-01A1 (Albers)<br/> 07/01/2016 – 08/31/2020<br/> Direct cost/year: per patient enrollment<br/> Role: Site Co-Investigator</p>                                                                                                                                                                                                                                                                                                                                       |
| 2014 – 2018 | <p>Automated Ventricular Analysis: Medical Image Analysis in Hydrocephalus National Center for Advancing Translational Sciences<br/> NIH / UL1 TR000430 (University of Chicago)<br/> Role: Principal Investigator</p>                                                                                                                                                                                                                                                                                                                                                                 |
| 2013 – 2017 | <p>Biomarkers of Injury and Outcome in ProTECT III (BIO-ProTECT)<br/> NIH / 1R01 NS071867 (Frankel)<br/> 05/01/2011 – 04/30/17<br/> Direct Cost/year: sub-award, per patient enrollment<br/> The major goal of this study is to determine whether protein biomarkers of traumatic brain injury predict outcome and response to treatment with progesterone<br/> Role: Site Principal Investigator</p>                                                                                                                                                                                 |
| 2013 – 2017 | <p>NETT - Neurological Emergencies Treatment Trials Hub / Spoke Network NIH / NINDS 1 U10 NS059032-01 (Baren)<br/> 09/01/2012 – 05/31/17<br/> Direct cost/year: sub-award, per patient enrollment<br/> This grant provides support to the Neurological Emergency Treatment Trial Network Collaborative NETT – GPSNJ Greater Philadelphia - Southern New Jersey<br/> Role: Site Principal Investigator</p>                                                                                                                                                                             |
| 2012 – 2018 | <p>Futility Study of Deferoxamine Mesylate in Intracerebral Hemorrhage(i-DEF)<br/> National Institutes of Health (NIH) / U01 NS074425 (Beth Israel)<br/> 10/2014 – 08/2018<br/> cost/year: sub-award, per patient enrollment<br/> The purpose of this study is to determine whether treatment with Deferoxamine Mesylate is of sufficient promise to improve outcome before pursuing a larger clinical trial to examine its effectiveness as a treatment for intracerebral hemorrhage.<br/> Direct Cost/year: subcontract, per-patient enrollment<br/> Role: Site Co-Investigator</p> |
| 2010 – 2018 | <p>Platelet-Oriented Inhibition in new TIA and minor ischemic stroke (POINT)<br/> NIH 1U01NS062835 (Johnston)<br/> 09/30/2009 – 06/30/2018<br/> Direct Cost/year: subcontract, per-patient enrollment<br/> The purpose of this study is to determine whether clopidogrel 75 mg/day by mouth after</p>                                                                                                                                                                                                                                                                                 |

a loading dose of 600 mg is effective in improving survival free from major ischemic vascular events (ischemic stroke, myocardial infarction, and ischemic vascular death) at 90 days when initiated within 12 hours of TIA or minor ischemic stroke onset in patients receiving aspirin.

Role: Site Principal Investigator

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| 2015 – 2016 | <p>ProTECT3D<br/>NIH / NINDS 5 U01 NS062778-05REV (Wright)<br/>Subaward T129489 (Merck)<br/>12/30/2015 – 6/30/2016 (NCE)<br/>Role: Principal Investigator</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 2010 – 2016 | <p>ATACH-II: Antihypertensive Treatment of Acute Cerebral Hemorrhage: A Phase III Randomized Multicenter Clinical Trial of Blood Pressure Reduction for Hypertension in Acute Intracerebral Hemorrhage.<br/>NIH / U01 NS062091 (Qureshi)<br/>08/01/2010 – 07/31/2016<br/>Direct Cost/year: sub-award per patient enrollment<br/>The purpose of this study is to definitively determine the efficacy of early, intensive, antihypertensive treatment using intravenous (IV) nicardipine initiated within 3 h of onset of ICH and continued for the next 24 h in subjects with spontaneous supratentorial ICH. Direct Cost/year: sub-award, per patient enrollment.<br/>Role: Site Principal Investigator</p> |
| 2014 – 2016 | <p>Validation of ShuntCheck-Micro-Pumper, a noninvasive diagnostic procedure NIH / NINDS SBIR #5R44NS067772-04 (Fritz, Swoboda)<br/>07/01/2014 – 06/30/2016<br/>Direct Cost/year: per patient enrollment<br/>Role: Site Principal Investigator</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 2015 – 2016 | <p>RELAX AHF2, A multicenter, randomized, double-blind, placebo controlled phase IIIb study to evaluate the efficacy, safety and tolerability of Serelaxin when added to standard therapy in acute heart failure patients.<br/>Novartis Pharmaceuticals CRLX030A2301 (Metra and Teerlink)<br/>09/01/2015 – 06/01/2016<br/>Role: Site Co-Investigator</p>                                                                                                                                                                                                                                                                                                                                                    |
| 2014 – 2015 | <p>InteliSport: Musculoskeletal and Closed Head Injury Prevention in Athletic Training<br/>Intel Corporation (Merck, L)<br/>08/01/2014 – 04/01/2015<br/>Role: Principal Investigator</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 2011 – 2012 | <p>Informed Consent for Computerized Tomography<br/>Supported in part by PHS Grant UL1 RR025008 (Merck)<br/>Clinical and Translational Science Award Program National Institutes of Health, National Center for Research Resources<br/>08/01/2011 – 08/01/2012<br/>Role: Principal Investigator</p>                                                                                                                                                                                                                                                                                                                                                                                                         |
| 2010 – 2012 | <p>High-Dose Albumin Therapy for Neuroprotection in Acute Ischemic Stroke (ALIAS) NIH / U01NS040406 (Ginsberg)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

07/01/2000 – 05/31/2015  
 Direct Cost/year: per-patient payments  
 Role: Emory Site Co-Investigator

- 2009 – 2012      Neurological Emergency Treatment Trial Network (NETT)  
 NIH / U10NS059032 (Wright)  
 01/01/2009 – 05/31/2017  
 The major goal of this project is to build a research network of investigators at metro-Atlanta hospitals for clinical trials to develop effective treatments for patients with neurological emergencies.  
 Role: Co-Investigator, NETT-SEC
- 2009 – 2012      Traumatic Brain Injury Studies at Grady Memorial Hospital  
 DoD W81XWH-09-2-0145 (Haley)  
 09/1/2009 – 4/20/2011 (NCE)  
 Department of Defense, Telemedicine and Advanced Technology Research Center  
 1. Investigation and Comparison of DETECT, ANAM, and Neuropsychological Testing in the Detection of Mild Traumatic Brain Injury
- 2010 – 2011      Rapid Anticonvulsant Medications Prior to Arrival Trial (RAMPART)  
 NIH / U01NS056975 (sub-award with University of Michigan)  
 08/01/2007 – 05/31/2015  
 Direct Cost/year: per patient payment  
 Role: Emory Site Co-Investigator (indirect support via NETT award)

#### **OTHER RESEARCH EFFORT & RESEARCH EFFORT IN KIND:**

- 2025 – current      Collaborator, Canadian Institutes of Health Research, Sustaining and Expanding the Canadian Emergency Department Research Network to Improve Pandemic and Health Emergencies Preparedness
- 2020 – 2022      Determination of risk factors and clinical course for infection with coronavirus or other possible emerging pathogens that may be identified concurrently  
 Role: PI First Responder COVID Testing, University of Florida, Gainesville
- 2012 – 2016      Prognosis and Decision Making in Intracerebral Hemorrhage: Family Perspectives.  
 NIH 1K23AG038731-01A1 (University of Michigan)  
 Role: Site Co-Investigator
- 2009 – 2011      Utilization of Informed Consent for Computerized Tomography.  
 Emory University School of Medicine, Departments of Emergency Medicine and Radiology, Atlanta, Georgia
- 2006 – 2008      Effect of Emergency Department overcrowding on time to critical testing: EKG and Head CT. University of North Carolina at Chapel Hill, Department of Emergency Medicine, Chapel Hill, North Carolina
- 2005 – 2006      Evaluation of subdural hematoma in the neonatal population. University of North Carolina at Chapel Hill, Department of Computer Science/Medical Imaging,

Neurodevelopment, Chapel Hill, North Carolina

- 2005 – 2006      Three-dimensional imaging of the neonatal brain. University of North Carolina at Chapel Hill, Department of Computer Science/Medical Imaging, Neurodevelopment, Chapel Hill, North Carolina
- 2002 – 2005      The development of myelomeningocele in post-operative tethered cord patients, a review of the literature. Duke University Medical Center, Durham, North Carolina
- 1999 – 2002      Chiari-pseudotumor Syndrome. Clinical Research Extern- Section of Pediatric Neurosurgery, The University of Chicago Children's Hospital, Chicago, Illinois
- 2001 – 2002      MPH Thesis- Asthma Protocols in an Urban Emergency Department. Mount Sinai Hospital, Chicago, IL and the Oregon Health and Sciences University, Portland, OR
- 1996 – 1998      Clinical case and research assistant- Department of Neurological Surgery, Oregon Health and Sciences University, Portland, Oregon
- 1997 – 1998      Cognitive effects of cerebral spinal fluid shunt failure in hydrocephalic children. Epidemiology and Biostatistics Intern- Department of Neurological Surgery, Oregon Health and Sciences University, Portland, Oregon
- 1997 – 1998      Expansion of dialysis parameters in End-Stage Renal Disease. Epidemiologic Consultant- Optimal Renal Care, Southern California Kaiser Permanente Medical Group, and the Health Care Financing Administration
- 1996 – 1997      Breast and Cervical Cancer Project. Research Assistant- Multnomah County Health Department, Portland, Oregon
- 1996 – 1997      Review of HIV legislation on identification and treatment of high-risk pediatric populations in California and Oregon. Research Assistant- Multnomah County Health Department, Portland, Oregon

**PATENTS: Scientific Contributions to Patent Applications and Provisional Filings (Pending/Published):**

Drone Backpack Systems. U.S. Patent No. 11,945,581 B2 (Issued April 2, 2024).

Combinatorial Temporal Biomarkers and Precision Medicines with Detection and Treatment Methods for Use in Neuro Injury, Neuro Disease, and Neuro Repair.  
EP Application No. 19 897 288.1; U.S. Application No. 17/413,747.

Synergistic Biomarker Assay of Brain-Specific Abnormal Neurological Condition Using Myelin Oligodendrocyte Glycoprotein.  
U.S. Provisional Application No. 63/627,869.

Biomarker Panel for Brain-Specific Abnormal Neurological Conditions Using Biofluid Samples.  
PCT Application No. PCT/US2023/080001 (WO2024107948A1).

Sampling and Testing Solution for Brain Health and Injury from Various Sources and Correlations Therebetween.

U.S. Provisional Application No. 63/657,396.

Protein Biomarkers for Acute, Subacute, and Chronic Traumatic Injuries of the Central Nervous System. U.S. Application No. 15/308,934.

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52. Silbergleit R, Lowenstein D, Durkalski V, Conwit R; NETT Investigators. Lessons from the RAMPART study--and which is the best route of administration of benzodiazepines in status epilepticus. *Epilepsia*. 2013 Sep;54 Suppl 6(0 6):74-7. doi: 10.1111/epi.12284. PMID: 24001080; PMCID: PMC3767187. Role: Co-investigator, the Neurological Emergency Treatment Trials Network.
53. High-dose albumin treatment for acute ischaemic stroke (ALIAS) part 2: a randomised, double-blind, phase 3, placebo-controlled trial. Myron D Ginsberg, Yuko Y Palesch, Michael D Hill, Renee H Martin, Claudia S Moy, William G Barsan, Bonnie D Waldman, Diego Tamariz, Karla J Ryckborst, for the

- ALIAS and Neurological Emergencies Treatment Trials (NETT) Investigators. *Lancet Neurol*, 2013; 12: 1049–58 Published Online September 27, 2013 [http://dx.doi.org/10.1016/S1474-4422\(13\)70223-0](http://dx.doi.org/10.1016/S1474-4422(13)70223-0). Role: Co-investigator, the Neurological Emergency Treatment Trials Network.
54. McMullan JT, Jones E, Barnhart B, Denninghoff K, Spaite D, Zaleski E, Silbergleit R; Neurological Emergencies Treatment Trials investigators. Degradation of benzodiazepines after 120 days of EMS deployment. *Prehosp Emerg Care*. 2014 Jul-Sep;18(3):368-74. doi: 10.3109/10903127.2013.869642. Epub 2014 Feb 18. PMID: 24548058; PMCID: PMC4272820. Role: Co-investigator, the Neurological Emergency Treatment Trials Network.
  55. Welch RD, Nicholas K, Durkalski-Mauldin VL, Lowenstein DH, Conwit R, Mahajan PV, Lewandowski C, Silbergleit R; Neurological Emergencies Treatment Trials (NETT) Network Investigators. Intramuscular midazolam versus intravenous lorazepam for the prehospital treatment of status epilepticus in the pediatric population. *Epilepsia*. 2015 Feb;56(2):254-62. doi: 10.1111/epi.12905. Epub 2015 Jan 17. PMID: 25597369; PMCID: PMC4386287. Role: Co-investigator, the Neurological Emergency Treatment Trials Network.
  56. Qureshi AI, Palesch YY, Barsan WG, Hanley DF, Hsu CY, Martin RL, Moy CS, Silbergleit R, Steiner T, Suarez JI, Toyoda K, Wang Y, Yamamoto H, Yoon BW; ATACH-2 Trial Investigators and the Neurological Emergency Treatment Trials Network. [Intensive Blood-Pressure Lowering in Patients with Acute Cerebral Hemorrhage](#). *New England Journal of Medicine*. 2016 Jun 8. [Epub ahead of print] PubMed PMID: 27276234. Role: Site Principal Investigator, the Neurological Emergency Treatment Trials Network.
  57. S Claiborne Johnston MD, PhD, J Donald Easton MD, Mary Farrant MBA, William Barsan MD, Robin A Conwit MD, Jordan J Elm PhD, Anthony S Kim MD, Anne S Lindblad PhD, and Yuko Y Palesch PhD for the Clinical Research Collaboration, Neurological Emergencies Treatment Trials Network and the POINT Investigators\* Clopidogrel and Aspirin in Acute Ischemic Stroke and High-Risk TIA. *New England Journal of Medicine*, 2018; This article was published on May 16, 2018, at NEJM.org. DOI: 10.1056/NEJMoa1800410. PMID: 29766750. Role: Site co-Principal Investigator, the Neurological Emergency Treatment Trials Network.
  58. Shoamanesh A, Morotti A, Romero JM, et al. Cerebral Microbleeds and the Effect of Intensive Blood Pressure Reduction on Hematoma Expansion and Functional Outcomes: A Secondary Analysis of the ATACH-2 Randomized Clinical Trial. *JAMA Neurol*. 2018;75(7):850–859. doi:10.1001/jamaneurol.2018.0454. For the Antihypertensive Treatment of Acute Cerebral Hemorrhage 2 (ATACH-2) and the Neurological Emergencies Treatment Trials (NETT) Network Investigators. Role: Site Principal Investigator, the Neurological Emergency Treatment Trials Network.
  59. Kapur J, Elm J, Chamberlain JM, Barsan W, Cloyd J, Lowenstein D, Shinnar S, Conwit R, Meinzer C, Cock H, Fountain N, Connor JT, Silbergleit R; NETT and PECARN Investigators. Randomized Trial of Three Anticonvulsant Medications for Status Epilepticus. *N Engl J Med*. 2019 Nov 28;381(22):2103-2113. doi: 10.1056/NEJMoa1905795. PMID: 31774955; PMCID: PMC7098487. A list of the NETT and PECARN investigators is provided in the [Supplementary Appendix](#), available at NEJM.org. Role: Site Principal Investigator, the Neurological Emergency Treatment Trials Network.
  60. Chamberlain JM, Kapur J, Shinnar S, Elm J, Holsti M, Babcock L, Rogers A, Barsan W, Cloyd J, Lowenstein D, Bleck TP, Conwit R, Meinzer C, Cock H, Fountain NB, Underwood E, Connor JT, Silbergleit R; Neurological Emergencies Treatment Trials; Pediatric Emergency Care Applied Research Network investigators. Efficacy of levetiracetam, fosphenytoin, and valproate for established status epilepticus by age group (ESETT): a double-blind, responsive-adaptive, randomised controlled trial.

Lancet. 2020 Apr 11;395(10231):1217-1224. doi: 10.1016/S0140-6736(20)30611-5. Epub 2020 Mar 20. Erratum in: Lancet. 2023 May 6;401(10387):1498. doi: 10.1016/S0140-6736(23)00865-6. PMID: 32203691; PMCID: PMC7241415. \*Listed in the appendix (pp 2-8). Role: Site Principal Investigator, the Neurological Emergency Treatment Trials Network

61. Korley FK, Durkalski-Mauldin V, Yeatts SD, Schulman K, Davenport RD, Dumont LJ, El Kassab N, Foster LD, Hah JM, Jaiswal S, Kaplan A, Lowell E, McDyer JF, Quinn J, Triulzi DJ, Van Huysen C, Stevenson VLW, Yadav K, Jones CW, Kea B, Burnett A, Reynolds JC, Greineder CF, Haas NL, Beiser DG, Silbergleit R, Barsan W, Callaway CW; SIREN-C3PO Investigators. Early Convalescent Plasma for High-Risk Outpatients with Covid-19. *N Engl J Med*. 2021 Nov 18;385(21):1951-1960. doi: 10.1056/NEJMoa2103784. Epub 2021 Aug 18. PMID: 34407339; PMCID: PMC8385553. For the SIREN-C3PO Investigators\* August 18, 2021, at NEJM.org. DOI: 10.1056/NEJMoa2103784. \*Supplementary Appendix. Role: Site Principal Investigator, SIREN.
62. Connors JM, Brooks MM, Sciurba FC, Krishnan JA, Bledsoe JR, Kindzelski A, Baucom AL, Kirwan BA, Eng H, Martin D, Zaharris E, Everett B, Castro L, Shapiro NL, Lin JY, Hou PC, Pepine CJ, Handberg E, Haight DO, Wilson JW, Majercik S, Fu Z, Zhong Y, Venugopal V, Beach S, Wisniewski S, Ridker PM; ACTIV-4B Investigators. Effect of Antithrombotic Therapy on Clinical Outcomes in Outpatients with Clinically Stable Symptomatic COVID-19: The ACTIV-4B Randomized Clinical Trial. *JAMA*. 2021 Nov 2;326(17):1703-1712. doi: 10.1001/jama.2021.17272. PMID: 34633405; PMCID: PMC8506296. Role: Site Principal Investigator
63. Wang TY, Wahed AS, Morris A, Kreuziger LB, Quigley JG, Lamas GA, Weissman AJ, Lopez-Sendon J, Knudson MM, Siegal DM, Kasthuri RS, Alexander AJ, Wahid L, Atassi B, Miller PJ, Lawson JW, Patel B, Krishnan JA, Shapiro NL, Martin DE, Kindzelski AL, Leifer ES, Joo J, Lyu L, Pennella A, Everett BM, Geraci MW, Anstrom KJ, Ortel TL; ACTIV-4C Study Group. Effect of Thromboprophylaxis on Clinical Outcomes After COVID-19 Hospitalization. *Ann Intern Med*. 2023 Apr;176(4):515-523. doi: 10.7326/M22-3350. Epub 2023 Mar 21. PMID: 36940444; PMCID: PMC10064277. Role: Site Principal Investigator
64. Meurer WJ, Schmitzberger FF, Yeatts S, Ramakrishnan V, Abella B, Aufderheide T, Barsan W, Benoit J, Berry S, Black J, Bozeman N, Broglio K, Brown J, Brown K, Carlozzi N, Caveney A, Cho SM, Chung-Esaki H, Clevenger R, Conwit R, Cooper R, Crudo V, Daya M, Harney D, Hsu C, Johnson NJ, Khan I, Khosla S, Kline P, Kratz A, Kudenchuk P, Lewis RJ, Madiyal C, Meyer S, Mosier J, Mouammar M, Neth M, O'Neil B, Paxton J, Perez S, Perman S, Sozener C, Speers M, Spiteri A, Stevenson V, Sunthakar K, Tonna J, Youngquist S, Geocadin R, Silbergleit R; ICECAP trial investigators. Influence of Cooling duration on Efficacy in Cardiac Arrest Patients (ICECAP): study protocol for a multicenter, randomized, adaptive allocation clinical trial to identify the optimal duration of induced hypothermia for neuroprotection in comatose, adult survivors of after out-of-hospital cardiac arrest. *Trials*. 2024 Jul 23;25(1):502. doi: 10.1186/s13063-024-08280-w. PMID: 39044295; PMCID: PMC11264458. <https://doi.org/10.1186/s13063-024-08280-w> \*Supplementary Appendix. Role: Site Principal Investigator, SIREN.
65. Safdar B, Desir G, Zhou B, Deng Y, Guo X, Files DC, Busse LW, Shotwell M, Chappell MC, Self WH, Collins SP; ACTIV-4 Host Tissue Investigators. Association between plasma catecholamine concentration and mortality in hospitalized adults with COVID-19: a secondary analysis of a multicenter randomized trial. *Crit Care*. 2025 May 8;29(1):183. doi: 10.1186/s13054-025-05334-6. PMID: 40340814; PMCID: PMC12060399. Role: Site Principal Investigator and Activ 4D Executive Committee
66. Meurer W, Yeatts S, Silbergleit R et al, for the ICECAP Clinical Trial Investigators. Duration of therapeutic hypothermia after out-of-hospital cardiac arrest: the ICECAP randomized clinical trial.

Role: Site Principal Investigator, Hub Principal Investigator. *Accepted, pending publication.*

### **Peer-Reviewed Conference Publications (Journal Supplements & Proceedings)**

*Entries are peer reviewed and published in indexed journals.*

**Merck LH**, Manley GT, Howlett-Smith H, Calcaterra AM, Wright DW. Clinical heterogeneity in the treatment of traumatic brain injury at Level I trauma centers. *Academic Emergency Medicine*. 2010;17(Suppl 1).

**Merck LH**, Chescheir NC, Hamer RM, Wolfe HM, Smith JK, Gilmore JH. Clinical heterogeneity in the treatment of traumatic brain injury at Level I trauma centers. *Academic Emergency Medicine*. 2010;17(Suppl).

**Merck LH**, Haley LL Jr, Chang SJ\*, Kilgo PD, Lindon L, Wright DW. Physiologic parameters in goal-directed therapy for traumatic brain injury at a Level I trauma center. *Academic Emergency Medicine*. 2011;18(Suppl 1):S179.

**Merck LH**, Holdsworth M\*, Keithley J\*, Houry D, Ward L, Applegate KE, Lowery-North DW, Heilpern KL. Informed consent for computerized tomography via video educational module in the emergency department. *Academic Emergency Medicine*. 2012;19(Suppl 1).

Holdsworth M\*, Ward L, Lowery-North DW, Heilpern KL, Houry D, Applegate KE, **Merck LH**. When do we order CT to assess abdominal and pelvic pain? A predictive model of computerized tomography utilization in the emergency department. *Annals of Emergency Medicine* 2012; 60(4):S107.

**Merck LH**, Heilpern KL, Houry D, Holdsworth M\*, Ward L, Applegate KE, Lowery-North DW. Predictors of positive findings in abdominal computerized tomography in the emergency department. *Annals of Emergency Medicine*. 2012;60(4):S49.

Choy T\*, Holdsworth M\*, Applegate KE, Houry DE, Lowery-North DW, Heilpern KL, **Merck LH**. Computed tomography utilization patterns for abdominal and pelvic pain in the emergency department. *Annals of Emergency Medicine*. 2012;60(Suppl).

Kaylor JP\*, Haley LL Jr, Wright DW, Chang SL\*, **Merck LH**. Electronic medical records and compliance with goal-directed therapy in traumatic brain injury. *Annals of Emergency Medicine*. 2012;60(4):S50.

Kobayashi L, Choi B, Asselin N, Pettit C, Dannecker M, Machan J, **Merck LH**, Suner S, Williams KA, Jay GD. Interim results of randomized simulation testing of automated cardiac arrest resuscitation protocols. *Simulation in Healthcare*. 2014;9(6):417–418.

**Merck LH**, Ward L, Holdsworth M\*, Houry D, Applegate KE, Lowery-North DW, Heilpern KL. Written informed consent for computerized tomography decreases CT utilization in low-risk emergency department patients. *Academic Emergency Medicine*. 2014;21(Suppl 1):S192.

Siket MS, Silver B, Siegel TA, Paolucci G, Pezzullo JA III, Rogg J, Gibbs FJ, **Merck LH**. Transient neurological symptoms with MRI evidence of infarction in an emergency department observation unit. *Stroke*. 2014;45(Suppl 1).

Frankel M, Yeatts SD, Fan L, Jeromin A, Vos PE, Wagner AK, Lunney M\*, **Merck LH**, Hall CL, Palesch YY, Silbergleit R, Wright DW. Biomarkers of injury and outcome in the ProTECT III Trial



(BIO-PROTECT). *Academic Emergency Medicine*. 2015;22(Suppl).

Madsen TE, **Merck LH**, Siket MS, Paolucci G, Tran MT, Silver B. Sex differences in clinical presentation and outcomes among transient ischemic attack observation unit patients. *Stroke*. 2015;46(Suppl 1):TP217.

Siket MS, Ndon IU, Baird JR, Madsen TE, **Merck LH**, Napoli AM, Paolucci G, Siegel TA, Tran VM\*, Silver B. Diagnosis and safe discharge of ischemic stroke patients with transient symptoms. *Stroke*. 2015;46(Suppl 1).

Leary OP\*, Merck D, Collins S, Jung S\*, Allen JW, Wright DW, **Merck LH**. Goal-directed therapy and outcome after traumatic brain injury: Findings from the ProTECT III Trial. *Journal of Neurotrauma*. 2017;34(Suppl).

- Top-Scored Abstract, Neurocritical Care Society International Conference.

Leary OP\*, Merck D, Collins S, Jung S\*, Allen JW, Wright DW, **Merck LH**. Quantitative computed tomography hemorrhage phenotypes improve outcome prediction following traumatic brain injury. *Journal of Neurotrauma*. 2019;36(Suppl).

Leary OP\*, Merck D, Collins S, Jung S\*, Allen JW, Wright DW, **Merck LH**. Outcome prediction with computer-assisted hemorrhage volume estimation in traumatic brain injury. *Critical Care Medicine*. 2019;47(Suppl).

- Star Research Achievement Award, Society of Critical Care Medicine Critical Care Congress.

Harder TJ\*, Leary OP\*, Yang Z\*, Lucke-Wold B\*, Liu DD, Allen JW, Wright DW, **Merck LH**. Early signs of elevated intracranial pressure on computed tomography correlate with measured intracranial pressure and six-month outcome after traumatic brain injury. *Critical Care Medicine*. 2020;48(1).

- Star Research Achievement Award, Society of Critical Care Medicine Critical Care Congress.

Lilova R\*, Jackson D, Leary OP\*, Salter A, Haskins W, Wright DW, **Merck LH**. Blood biomarkers are related to isolated diffuse axonal injury and patient outcomes. *Critical Care Medicine*. 2025;53(1).

### **Workshop Proceedings & Federal Publications:**

1. **LH Merck**, quoted in: National Academies of Sciences, Engineering, and Medicine, 2020. Neuroscience data in the cloud: Opportunities and challenges: Proceedings of a workshop. Washington, DC: The National Academies Press. <https://doi.org/10.17226/25653>.
2. **LH Merck**, referenced in: Radiation Safety in Imaging, Best Practices in Health Care, The Joint Commission Perspectives in Patient Safety. May 2011, Vol 11, Issue 5 Joint Commission on Accreditation of Health Care Organizations.

### **Books & Book Chapters:**

1. **Fagan, LH**, Asthma Protocols in an Urban Emergency Department. Thesis, 2002, Oregon Health Sciences University, Dept of Public Health, Preventive Medicine/Mt. Sinai Hospital, Chicago, IL.
2. Wright D, **Merck LH**: Head Trauma in Adults and Children. In Tintinalli JE, Stapczynski JS, Ma OJ,

Cline DM, Cydulka R (eds): Emergency Medicine: A Comprehensive Study Guide, 7th edition. McGraw- Hill, Inc., 2010.

3. Wright D, **Merck LH**: Head Trauma in Adults and Children. In Tintinalli JE, Stapczynski JS, Ma OJ, Cline DM, Cydulka R (eds): Tintinalli's Emergency Medicine Manual, 7th Ed. (Pocket Edition). McGraw-Hill, Inc., 2011.
4. Wright D, **Merck LH**: Head Trauma. In Tintinalli JE, Stapczynski JS, Ma OJ, Cline DM, Cydulka R (eds): Emergency Medicine: A Comprehensive Study Guide, 8th edition. McGraw-Hill, Inc. 2015.
5. Wright D, **Merck LH**: Head Trauma. In Tintinalli JE, Stapczynski JS, Ma OJ, Cline DM, Cydulka R (eds): Emergency Medicine: A Comprehensive Study Guide, 9th edition. McGraw-Hill Inc. 2019.

### **Digital Media Publications:**

1. Edward Walsh, Scott Collins, Owen Leary, Derek Merck, **Lisa Merck**, and Chester Sherwood. Bactrian Camel Brain Imaging. Brown University Digital Repository, 2016. Project Data DOI: <https://doi.org/10.7301/Z00C4SPV>.
2. Ibis Mummy CT Imaging. Merck PhD, Scott Collins RT(R)(CT), **Lisa Merck MD MPH**, Jen Thum MPhil, Julia Troche PhD, Owen Leary, John Cronan MD. This project is a collaboration between Egyptology researchers from the Joukowsky Institute at Brown University and medical imaging researchers at Rhode Island Hospital, to utilize diagnostic imaging techniques to confirm the identity of an unprovenanced 2000-year-old ibis mummy found at an archaeological site in Egypt. This unique application of imaging technology to archaeology research was sought because removing the wrapping from the mummy by hand would have risked damage to the delicate artifact. The study was used to confirm the presence of the mummified ibis inside the wrappings. Brown Digital Repository. Brown University Library. 2017; Project Data DOI: <https://doi.org/10.7301/Z0PZ56R5>
3. Merck, Derek; Collins, Scott; **Merck, Lisa**, Thum Jen; Troche, Julia; Leary, Owen; Cronan, John. Ibis mummy CT imaging: abstract and presentation (2016). *Ibis Mummy CT Imaging*. Brown Digital Repository. Brown University Library. <https://doi.org/10.7301/Z0PZ56R5>; <https://repository.library.brown.edu/studio/item/bdr:697318/>
4. Rashleigh, Edward Patrick; Merck, Derek; Collins, Scott; **Merck, Lisa**; Thum Jen; Troche, Julia; Leary, Owen; Cronan, John. 3D print of the ibis mummy skeleton with supports (2017). *Ibis Mummy CT Imaging, Browniverse: 3D Models and Printing Digital Library*. Brown Digital Repository. Brown University Library. <https://repository.library.brown.edu/studio/item/bdr:69809/>
5. Derek Merck PhD, Scott Collins RT(R)(CT), **Lisa Merck MD MPH**, Jen Thum MPhil, Julia Troche PhD, Owen Leary, John Cronan MD. (2016). Ibis mummy CT imaging: 3D slicer files (2016). *Ibis Mummy CT Imaging, Browniverse: 3D Models and Printing Digital Library*. Brown Digital Repository. Brown University Library. <https://doi.org/10.7301/Z0PZ56R5>; <https://repository.library.brown.edu/studio/item/bdr:697315/>
6. Merck, Derek; Collins, Scott; **Merck, Lisa**, Thum Jen; Troche, Julia; Leary, Owen; Cronan, John. Ibis mummy CT imaging: CT scan 1 (2016). *Ibis Mummy CT Imaging*. Brown Digital Repository. Brown University Library. <https://doi.org/10.7301/Z0PZ56R5>; <https://repository.library.brown.edu/studio/item/bdr:697313/>
7. Merck, Derek; Collins, Scott; **Merck, Lisa**, Thum Jen; Troche, Julia; Leary, Owen; Cronan, John. Ibis



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<https://repository.library.brown.edu/studio/item/bdr:697314/>

8. Merck, Derek; Collins, Scott; **Merck, Lisa**, Thum Jen; Troche, Julia; Leary, Owen; Cronan, John. Ibis mummy CT imaging: STL files (2016). *Ibis Mummy CT Imaging, Browniverse: 3D Models and Printing Digital Library*. Brown Digital Repository. Brown University Library. <https://doi.org/10.7301/Z0PZ56R5>; <https://repository.library.brown.edu/studio/item/bdr:697316/>
9. Merck, Derek; Collins, Scott; **Merck, Lisa**, Thum Jen; Troche, Julia; Leary, Owen; Cronan, John. Ibis mummy CT imaging: temporal bone comparison (2016). *Ibis Mummy CT Imaging*. Brown Digital Repository. Brown University Library. <https://doi.org/10.7301/Z0PZ56R5>;  
<https://repository.library.brown.edu/studio/item/bdr:697317/>
10. Journal Club, Society of Critical Care Medicine. The Effect of Goal Directed Therapy on Patient Morbidity and Mortality after Traumatic Brain Injury, Results from the ProTECTIII Clinical Trial. **Merck, Lisa H** Webinar 5/23/2019.

### **Scholarly Work Published in other Media:**

**Web:** <http://www.accessem.com/textbooks.aspx> Wright D, Merck LH: Head Trauma in Adults and Children. In Tintinalli JE, Stapczynski JS, Ma OJ, Cline DM, Cydulka R (eds) McGraw-Hill, Inc., 2010.

**Video:** Informed Consent for Computerized Tomography, Video. Written and directed by: Lisa H. Merck MD, MPH, produced by: Burton Fox, MS. Emory University, 2011.

### **INVITED PRESENTATIONS:**

1. 2001 Frim DM, **Fagan LH**. Pseudotumor Cerebri associated with treatment for Chiari Malformation Type I. Joint Section on Pediatric Neurosurgery of the American Association of Neurological Surgery and the Congress of Neurological Surgeons, November 2001, New York, New York.
2. 2005 Looney CB\*, Smith JK, **Fagan LH**, Hamer RM, Gilmore JH. Intracranial hemorrhage in asymptomatic neonates: prevalence on 3.0 T MR scans and relationship to obstetric and neonatal risk factors. Radiologic Society of North America, November 2005, Chicago, Illinois.
3. 2008 Biese K, Mehrotra A, Cook J, **Merck L**, Page B. Emergency Department Crowding Increases Acquisition Time of Brain CT and ECG. Society for Academic Emergency Medicine, June 2008, Washington D.C.
4. 2010 Clinical Heterogeneity in the Treatment of Traumatic Brain Injury at Level I Trauma Centers. **Lisa H Merck MD, MPH**, Geoffrey T Manley MD, PhD, Harriet Howlett-Smith RN, CCRC, Anna Marie Calcaterra and David W Wright MD. Society for Academic Emergency Medicine - National Annual Meeting, May 2010, Phoenix, Arizona.
5. 2011 Physiologic Parameters in Goal Directed Therapy for Traumatic Brain Injury at a Level I Trauma Center. **Lisa H Merck MD MPH**, Leon L Haley Jr MD MHSA, Samuel J Chang BS\*, Patrick D Kilgo MS, Lovette Lindon PhD, David W Wright MD. Society for Academic Emergency

Medicine- National Meeting, May 2011, Boston, Massachusetts.

6. 2012 Predictors of Positive Findings in Abdominal Computerized Tomography in the Emergency Department. **Lisa H Merck MD MPH**, Kate Heilpern MD, Debra Houry MD MPH, Michael Holdsworth MD\*, Laura A Ward MSPH, Kimberly Applegate MD MS, Douglas W Lowery-North MD MSPH. American College of Emergency Physicians, National Annual Meeting, October 2012, Denver, Colorado.
7. 2012 When Do We Order CT to Assess Abdominal and Pelvic Pain? A Predictive Model of Computerized Tomography Utilization in the Emergency Department. Michael Holdsworth MD\*, Laura A Ward MSPH, Douglas W Lowery-North MD MSPH, Kate Heilpern MD, Debra Houry MD MPH, Kimberly E Applegate MD MSPH, **Lisa H Merck MD MPH**. American College of Emergency Physicians, National Annual Meeting, October 2012, Denver, Colorado.
8. 2012 Informed Consent for Computerized Tomography via Video Educational Module in the Emergency Department. **Lisa H Merck MD MPH**, Michael Holdsworth BS BA\*, Joshua Keithley BS\*, Debra Houry MD MPH, Laura A Ward MSPH, Kimberly E Applegate MD MSPH, Douglas W Lowery-North MD MSPH, Kate Heilpern MD FACEP. Society for Academic Emergency Medicine National Annual Meeting, May 2012, Chicago, Illinois.
9. 2012 Electronic Medical Records and Compliance with Goal-Directed Therapy in Traumatic Brain Injury. Jordan P Kaylor MD\*, Leon L Haley MD MHSA, David W Wright MD, Samuel L Chang MD\*, **Lisa H Merck**. American College of Emergency Physicians, National Annual Meeting, October 2012, Denver, Colorado.
10. 2014 Transient Neurological Symptoms with MRI Evidence of Infarction in an Emergency Department Observation Unit (EDOU). Matthew S Siket, Brian Silver, Todd A Seigel, Gino Paolucci, John A Pezzullo III, Jeffrey Rogg, Frantz J Gibbs, **Lisa H Merck**. International Stroke Conference, February 2014, San Diego, California.
11. 2014 Implementation of a Magnetic Resonance Imaging Protocol for Patients with Transient Ischemic Attack in an Emergency Department Observation Unit. Matthew Siket, Todd Siegel, Gino Paolucci, **Lisa Merck**, Frantz Gibbs, John Pezullo III, Jeffrey Rogg, Brian Silver. Society for Academic Emergency Medicine National Annual Meeting, May 2014, Dallas, Texas.
12. 2014 Written Informed Consent for Computerized Tomography Decreases CT Utilization in Low Risk Emergency Department Patients. **Lisa H Merck**, Laura Ward, Michael Holdsworth\*, Debra Houry, Kimberly Applegate, Douglas Lowery-North, Katherine Heilpern. Society for Academic Emergency Medicine National Annual Meeting, May 2014, Dallas, Texas.
13. 2014 Written Informed Consent for Computerized Tomography Decreases CT Utilization in Low-Risk Emergency Department Patients. **Lisa H Merck**, Laura Ward, Michael Holdsworth\*, Debra Houry, Kimberly Applegate, Douglas Lowery-North, Katherine Heilpern. New England, Society for Academic Emergency Medicine Regional Conference Yale University, March 2014, New Haven, Connecticut.
14. 2014 Implementation of a Magnetic Resonance Imaging Protocol for Patients with Transient Ischemic Attack in an Emergency Department Observation Unit. Matthew Siket, Todd Siegel, Gino Paolucci, **Lisa Merck**, Frantz Gibbs, John Pezullo III, Jeffrey Rogg, Brian Silver. Society for Academic Emergency Medicine Regional Conference Yale University, March 2014, New Haven, Connecticut.

15. 2015 Biomarkers of Injury and Outcome In Protect III (BIO-ProTECT). Michael Frankel, Sharon D. Yeatts, Liqiong Fan, Andreas Jeromin, Pieter E. Vos, Amy K. Wagner, Harriet Smith, Bethany Lane, Michael Lunney, Casey L Hall, **Lisa H Merck**, Yuko Y Palesch, Robert Silbergleit, David W Wright. Society for Academic Emergency Medicine, May 2015, San Diego, California.
16. 2015 The Diagnosis, Etiologic Classification, and Safe Discharge of Ischemic Strokes with Transient Symptoms from an Emergency Department Observation Unit. Matthew S Siket, Idara U Ndon, Janette R Baird, Tracy E Madsen, **Lisa H Merck**, Anthony M Napoli, Gino Paolucci, Todd A Seigel, Virginia M Tran, Brian Silver. International Stroke Conference, February 2015, Nashville, Tennessee.
17. 2015 Sex Differences in Clinical Presentation and Outcome: Patients Admitted to a Transient Ischemic Attack Emergency Department Observation Unit. Tracy E Madsen, **Lisa H Merck**, Matthew S Siket, Gino Paolucci, My T Tran, Brian Silver. International Stroke Conference, February 2015, Nashville, Tennessee.
18. 2015 Clinical Predictors of Stroke, TIA and Mimic among Patients with Transient Neurological Dysfunction Admitted to an Emergency Department Observation Unit. Matthew S Siket, Virginia M Tran\*, Janette R Baird, Tracy E Madsen, **Lisa H Merck**, Anthony M Napoli, Gino Paolucci, Todd A Seigel, Brian Silver. International Stroke Conference, February 2015, Nashville, Tennessee.
19. 2015 Choi B, Asselin N, Pettit CC, Dannecker M, Jones MS, **Merck L**, Suner S, Williams K, Jay GD, Kobayashi L. Interim results of randomized controlled simulation testing of standard and automated device-assisted pre-hospital cardiac arrest resuscitation approaches. Presentation at the International Meeting on Simulation in Healthcare, January 2015, New Orleans, Louisiana.
20. 2016 Frim DM, Boyle T, Zorc J, Hickey R, Leonard J, Neuman M, Chamberlain J, Heuer G, Boop R, Sandberg D, Mandeep T, Klinge P, **Merck L**, Keating R, Leonard J, Piatt J, Bennett J, Chesler D, Hameed M, Anor T, Fritz F, Madsen J. Thermal Flow Detection Improves Diagnostic Accuracy of Shunt Malfunction: Prospective, Multicenter, Operator-Blinded Study. Accepted for presentation as a plenary session; American Association of Neurological Surgery Annual Scientific Meeting; April 2016, Chicago, Illinois.
21. 2016 **Lisa H Merck MD MPH**, David W Wright MD, Owen Leary\*, Michael P Lunney MPH NRP\*, Scott Collins RT(R)(CT), Jason Allen MD PhD, Sharon Yeatts PhD, Derek Merck PhD. Case Series: 3D Image Analysis in Traumatic Brain Injury. Radiologic Society of North America; December 2016, Chicago, IL.
22. 2017 Krishna Murthy\*, Owen Leary\*, **Lisa H Merck**, Benjamin Kimia, Scott Collins, David W Wright, Jason W Allen, Derek Merck. Machine learning algorithm for automatic detection of CT-identifiable hyperdense lesions associated with traumatic brain injury. The International Society for Optics and Photonics (SPIE); February 2017, Orlando FL.
23. 2017 Tehnaz Boyle, Joseph Madsen, Mark Neuman, Mandeep Tamber, Robert W. Hickey, Gregory Heuer, Jeffrey Leonard, Julie C. Leonard, Robert Keating, James Chamberlain, David Frim, Paula Zakrzewski, Petra Klinge, **Lisa Merck**, Joseph Piatt, Jonathon Bennett, David Sandberg, Frederick Boop, Joseph Zorc. ShuntCheck versus Neuroimaging for Diagnosing Ventricular Shunt Malfunction in the Emergency Department. Pediatric Academic Societies meeting; May 2017, San Francisco, CA.

24. 2017 Owen Leary\*, **Lisa H Merck MD MPH\***, David W Wright MD, Maria Braileanu MD, Scott Collins RT(R)(CT), Jason W Allen MD PhD, Sharon Yeatts PhD, Derek Merck PhD. 3D Illustration to Quantify Volume of Traumatic Intraparenchymal Hemorrhage. \*Lisa H Merck is supervising first author. World Intracranial Hemorrhage Conference; Baltimore Maryland, May 2017.
25. 2017 Kobayashi L, Collins S, **Merck LH**, Merck DL. Exploratory Applications of Augmented Reality for Patient Education in Emergency Medicine. Society for Academic Emergency Medicine, National Conference; Orlando, Florida, May 2017.
26. 2017 Derek Merck PhD, David W Wright MD, Owen Leary\*, Sean O'Donnell,\* Scott Moody\*, Maria Braileanu MD, Scott Collins RT(R)(CT), Jason W Allen MD PhD, Sharon Yeatts PhD, **Lisa H Merck MD MPH**. 3D Illustration Offers a More Precise Method to Quantify Bleed Volume after Traumatic Brain Injury when Compared to Standard Methods. Society for Academic Emergency Medicine, New England Research Directors Regional Conference; Worcester, MA. April 2017.
27. 2017 Kurt Denninghoff, Tomas Nuño, Qi Pauls, Sharon D Yeatts, Robert Silbergleit, Yuko Y Palesch, **Lisa H Merck**, Geoff Manley, and David W Wright. Pre-hospital intubation is associated with favorable outcomes and lower mortality in ProTECTIII Trial. Society for Academic Emergency Medicine, Western Regional Conference; Stanford, CA. April 2017.
28. 2017 Kurt Denninghoff, Tomas Nuño, Qi Pauls, Sharon D Yeatts, Robert Silbergleit, Yuko Y Palesch, **Lisa H Merck**, Geoff Manley, and David W Wright. Pre-hospital intubation is associated with favorable outcomes and lower mortality in ProTECTIII Trial. Society for Academic Emergency Medicine, National Conference; Orlando, Florida. May 2017.
29. 2017 Keshavamurthy, Krishna Nand\*, Owen Leary\*, **Lisa H Merck**, Benjamin Kimia, Scott Collins, David W Wright, Jason Allen, and Derek Merck. Machine Learning Algorithm for Automatic Detection of CT-Identifiable Hyperdense Lesions Associated with Traumatic Brain Injury. Poster presentation, Mind/Brain Research Day, Brown University, Providence, RI, March 2017.
30. 2017 Leary, Owen\*, **Lisa Merck\***, David Wright, Maria Braileanu, Scott Collins, Jason Allen, Sharon Yeatts, and Derek Merck. 3D Illustration to Quantify Volume of Traumatic Intraparenchymal Hemorrhage. Poster presentation, Mind/Brain Research Day, Brown University, Providence, RI, March 2017. \*supervising first author
31. 2017 Derek Merck PhD, David W Wright MD, Owen Leary\*, Maria Braileanu MD, Scott Collins RT(R)(CT), Jason W Allen MD PhD, Sharon D Yeatts PhD, **Lisa H Merck MD MPH**. 3D Illustration to Quantify Volume of Subdural and Epidural Hematomas. Neurocritical Care Society, International Conference: Kona, Hawaii, October 2017.
32. 2017 **Lisa H Merck MD MPH**, Sharon D Yeatts PhD, Geoff Manley MD PhD, Robert Silbergleit MD, Robin Conwit MD, Qi Pauls MS, Michael Frankel MD, Peter Le Roux MD, Yuko Palesch PhD, David W Wright MD. Goal Directed Therapy in the ProTECTIII Clinical Trial: The Effect of Physiologic Transgressions on Patient Mortality after Traumatic Brain Injury. Neurocritical Care Society, International Conference: Kona, Hawaii, October 2017
33. 2017 **Lisa H Merck MD MPH**, Sharon D Yeatts PhD, Geoff Manley MD PhD, Robert Silbergleit MD, Robin Conwit MD, Qi Pauls MS, Michael Frankel MD, Peter Le Roux MD, Yuko Palesch PhD, David W Wright MD. Goal Directed Therapy in the ProTECTIII Clinical Trial: The Effect of Physiologic Transgressions on Patient Functional Outcome after Traumatic Brain Injury.

Neurocritical Care Society, International Conference: Kona, Hawaii, October 2017.

34. 2018 Owen P Leary\*, Sharon Yeatts, Casey Poore, David W Wright, Jason W Allen, Qi Pauls, **Lisa H Merck**. Progesterone Therapy & Clinical Outcomes in Diffuse Axonal Injury: A Retrospective Analysis of Data from the ProTECTIII Trial. NeuroTrauma, The 3<sup>rd</sup> Joint Symposium of the International and National Neurotrauma Societies and American Association of Neurological Surgery / Congress of Neurological Surgeons Section on Neurotrauma and Critical Care. Toronto, Canada, August 2018.
35. 2018 Tomas Nuño, PhD, Kurt Denninghoff, MD, **Lisa Merck, MD MPH**, Qi Pauls, MS, Sharon Yeatts, PhD, Yuko Palesch, PhD, Robert Silbergleit, MD, Geoffrey Manley, MD PhD, and David Wright, MD. Racial/ethnic minority participation in clinical research: Assessment of Exception from Informed Consent in ProTECT III. American Public Health Association, San Diego, CA, November 2018.
36. 2018 Ian Pan\*, Owen Leary\*, Stefan Jung\*, Krishna Nand Keshavamurthy\*, Jason Allen, David Wright, **Lisa H Merck**, and Derek Merck. Deep Learning for Automatic Detection and Segmentation of Acute Epidural and Subdural Hematomas in Head CT. Abstract / Research presentation, Radiological Association of North America (RSNA), Chicago, IL, November 2018.
37. 2019 The Relationship Between Magnitude of International Normalized Ratio and Outcome After Traumatic Brain Injury. Fiona Chen\*; Qi Pauls, MS; Sharon D Yeatts, PhD; David W Wright, MD; Rie Calcaterra; **Lisa H Merck, MD MPH**. Society for Academic Emergency Medicine, National Conference; Las Vegas, Nevada. May 2019.
38. 2019 The Relationship Between Magnitude of International Normalized Ratio and Outcome After Traumatic Brain Injury. Fiona Chen\*; Qi Pauls, MS; Sharon D Yeatts, PhD; David W Wright, MD; Rie Calcaterra; **Lisa H Merck, MD MPH**. New England Regional Meeting of the Society for Academic Emergency Medicine, Worcester, MA, 3/2019.
39. 2019 Efficacy of Computed Tomography Use in Assessing Traumatic Brain Injury in Adult and Pediatric Patients. Taneisha Wilson\*, **Lisa H Merck**, Marc Zonfrillo, John Movson, Derek Merck. New England Regional Meeting of the Society for Academic Emergency Medicine, Worcester, MA, 3/2019.
40. 2019 Volume of Subdural and Epidural Hematoma Measured by Computer-Assisted Estimation is More Predictive of Patient Mortality and Functional Disability than ABC/2. Owen P Leary\*, Tyler J Harder\*, Ian Pan\*, Derek Merck, David W Wright, **Lisa H Merck**. National Neurotrauma Symposium / American Association of Neurological Surgery / Congress of Neurological Surgery Joint Section on Neurotrauma and Critical Care, Pittsburgh, PA 7/2019.
41. 2019 The Relationship Between Magnitude of International Normalized Ratio and Outcome After Traumatic Brain Injury. Fiona Chen\*; Qi Pauls, MS; Sharon D Yeatts, PhD; David W Wright MD; Rie Calcaterra; **Lisa H Merck, MD MPH**. Brown Emergency Medicine Symposium, Providence, RI 5/2019.
42. 2019 Volume of Subdural Hematoma and Epidural Hematoma Measured by Computer-Assisted Estimation Is More Predictive of Mortality and Functional Disability than ABC/2. Owen P Leary\*, Tyler J Harde\*r, Ian Pan\*, Derek Merck\*, David W Wright, **Lisa H Merck**. National Neurotrauma Society, Pittsburgh, PA. 2019 Trainee Competition Winner “Best Poster on Cranial

Trauma” from the AANS/CNS Joint Section on Trauma and Critical Care.

43. 2019 Promotion of Gender and Under Represented Minority Inclusivity in Translational Research for Acute Neurological Disorders. Alexis N Simpkins, MD PhD, MSCR; **Lisa H Merck MD MPH FACEP** Katharina Busl MD MS; Carolina Maciel MD MSCR. Association of American Medical Colleges Annual Meeting Phoenix Arizona 9/2019.
44. 2020 A Comparative Study of 2D Image Segmentation Algorithms for Traumatic Brain Lesions Using CT Data from the ProTECTIII Multicenter Clinical Trial. Shruti Jadon BS\*, Owen P Leary ScB\*, Ian Pan MS\*, Tyler J Harder MS\*, David W Wright MD, **Lisa H Merck MD MPH**, Derek L Merck PhD. *Oral presentation*, The International Society for Optics and Photonics (SPIE), Houston, TX
45. 2020 T Yi\*, I Pan\*, F Chen, R Cueto\*, S Collins, J Smith, H Bai, D Merck, **L Merck**. Identification of Intracranial Hemorrhage Using an Original Artificial Intelligence System. New England Research Directors Regional Meeting 2020, Worcester, MA.
46. 2020 Leary O\*, Harder T\*, Liu D\*, Jung Stefan\*, Braileanu M, Allen J, Merck D, Wright D, **Merck L**: Outcome Prediction With Computer-Assisted Volumetry and ABC/2 in Traumatic Intra-Axial Hemorrhage. Presented as abstract no. 39 at the 2020 Society of Critical Care Medicine Critical Care Congress in Orlando, FL. Published: Crit Care Med 2020: 48(1): 20.
47. 2020 Harder T\*, Leary O\*, Liu D\*, Merck D, Wright D, **Merck L**: Patient-Specific Prognostication After TBI Is Related to Bleed Phenotype and Anatomic Location. Presented as abstract no. 40 at the 2020 Society of Critical Care Medicine Critical Care Congress in Orlando, FL. Published: Crit Care Med 2020: 48(1): 20.
48. 2021 Tyler J Harder\*, Owen P Leary\*, David Liu\*, Derek Merck, David W Wright, **Lisa H Merck**. Distinct Radiographic Phenotypes of Elevated Intracranial Pressure on Non-Contrast Head CT Predict Mortality and Functional Outcome in Moderate-to-Severe TBI North Central Florida Society for Neuroscience, Regional Meeting 2021, Gainesville FL.
49. 2021 Deployment of Novel SARS-CoV-2 Testing in First Responders, Front Line Providers, and Essential Personnel During the COVID-19 Pandemic. C Montero\*, M Balakrishnan\*, J Loeb, R. Cueto\*, MT Long, J Lednicky, DAT Cummings, J Morris, K Cherabuddi, A Tyndall, **LH Merck**. EPI Research Day, Virtual Conference, University of Florida.
50. 2021 Perception of access to personal protective equipment in first responders and essential workers across North Florida. J Antoine, A Zeinomar, M Beck, M Solly\*, C Montero\*, M Balakrishnan\*, M Chowdhury, K Cherabuddi, J Morris, A Tyndall, **LH Merck**. American Public Health Association, October, 2021 Denver CO.
51. 2021 Epidemiology of SARS-CoV-2 in First Responders and Essential Personnel across North Florida. M Balakrishnan\*, C Montero\*, J Loeb, M Chowdhury, M Solly\*, MT Long, L Bryan, J Lednicky, DAT Cummings, J Morris, K Cherabuddi, A Tyndall, **LH Merck**. American Public Health Association, October 2021 Denver, CO.
52. 2022 Association of Craniotomy, Decompressive Hemicraniectomy, and External Ventricular Drain (EVD) Placement with Patient Mortality and 6-Month Functional Outcome Following Moderate to Severe TBI: Secondary Analysis of the ProTECTIII Dataset. Leary O\*, Harder T\*, Yang Z\*, Lucke-Wold B\*, Still M\*, Zhang M\*, Yeatts S, Wright D, Merck D, **Merck L**. June 2022

Atlanta, GA, National Neurotrauma Society and AANS/CNS Joint Section on Neurotrauma and Critical Care.

53. 2024 A Highly Scalable & Cost-Effective Sampling & Testing Solution for Brain Health & Injury. Devin Jackson, James Meabon, Elizabeth Colasurdo, Kristy Radeker, Anthony Adelizza, Katie Tehas, Ava Puccio, Raquel Gardner, John Williamson, Owen Leary\*, Tyler Harder\*, Radina L Lilova\*, **Lisa H Merck\***, Amber Salter, Jeff Illiff, Elaine Peskind, Kevin Wang, and William Haskins. June 2024 San Francisco, CA, National Neurotrauma Society Symposium and American Association of Neurological Surgeons/CNS Joint Section on Neurotrauma & Critical Care.
54. 2024 Association of diffuse axonal injury with outcome in moderate to severe traumatic brain injury patients. Radina L Lilova\*, Owen P Leary\*, Tyler J Harder\*, David W Wright, and **Lisa H Merck**. Presentation, Sept 2024, International Neurotrauma Society, Cambridge, UK.
55. 2024 Association of diffuse axonal injury with outcome in moderate to severe traumatic brain injury patients. Radina L Lilova\*, Owen P Leary\*, Tyler J Harder\*, David W Wright, and **Lisa H Merck**. Presentation, Oct 2024, Neurocritical Care Society, San Diego, CA.
56. 2024 Novel Blood Biomarkers of Diffuse Axonal Injury in Moderate-Severe Traumatic Brain Injury Patients. Radina L. Lilova BS\*, Devin Jackson PhD, Katie Tehas BS, Owen P. Leary BS\*, Tyler J. Harder MD MS\*, David W. Wright MD, Amber Salter PhD, William Haskins PhD, **Lisa H. Merck MD MPH**. Late-breaking presentation, Oct 2024, Neurocritical Care Society, San Diego, CA.
57. 2025 Blood Biomarkers are Related to Isolated Diffuse Axonal Injury and Patient Outcomes. Radina L Lilova BS\*; Devin Jackson PhD; Owen P Leary, BS\*; Tyler J Harder, MD MS\*; Katie Tehas, BS; David W Wright MD; Amber Salter PhD; William Haskins, PhD; **Lisa H Merck MD MPH**. Feb 2025, Society for Critical Care Medicine, Critical Care Congress, Orlando, FL.
58. 2025 The Highlights and Hiccups of High-Density Data. Johnathan Beall, Sharon Yeatts, Ezekiel Lowelle, Jean-Christopher Arnaud, **Lisa H. Merck**. Society for Clinical Trials 2025 Annual Meeting, May 18-21 Vancouver, British Columbia, Canada.
59. 2025 Value of TriNetX national database to inform characteristics of observation patients assessed for acute syncope. Sreedhatri Kandlakunta BS\*, **Lisa H. Merck MD MPH**, Megan Donohue MD MPH. Association for Clinical and Translational Science, Translational Science 2025, April 16, Washington, DC.
60. 2025 Diabetic Ketoacidosis Patients Under Observation: Comparing Discharged and Admitted Patients Using TriNetX. Nancy Marie C. Beinlich BS\*, **Lisa H. Merck MD MPH**, Megan P. Donohue MD MPH. Society for Academic Emergency Medicine, Philadelphia, PA, May 2025.
61. 2025 Comparative Analysis of Clinical Presentation in Ovarian Torsion and Ruptured or Hemorrhagic Ovarian Cyst: Implications for Diagnosis and Timely Management. Joanna Le Galloudec BS\*, Michael Keller BS\*, Nancy Beinlich BS\*, Megan Donohue MD MPH, **Lisa H Merck MD MPH** Medical Student Research Day, Virginia Commonwealth University, Richmond, VA May 2025
62. 2025 Rhythm Trends in Out-of-Hospital Cardiac Arrest. Nancy Beinlich BS\*, Nikhil Chandravel BS BA\*, Michael Keller BS\*, Dylan Kelley MS\*, Jessica Rosner MPH, **Lisa Merck MD MPH**,

Megan Donohue MD MPH. Medical Student Research Day, Virginia Commonwealth University, Richmond, VA May 2025

63. 2025 Comparison of Capillary Blood to Venous Plasma Biomarkers in Longitudinal TBI Clinical Studies Devin Jackson, James Meabon, Elizabeth Colasurdo, Kristy Radeker, Anthony DeLizza, Katie Tehas, Ava Puccio, Raquel Gardner, John Williamson, **Lisa H. Merck**, Amber Salter, Jeffrey Illiff, Elaine Peskind, Geoff Manley, Kevin Wang, and William Haskins.  
*Accepted for presentation*, Military Health System Research Symposium (MHSRS), Kissimmee, FL August 2025
64. 2026 Comparative Analysis of Clinical and Ultrasound Features Distinguishing Ovarian Torsion from Ruptured or Hemorrhagic Ovarian Cysts. Joanna Le Galloudec BS\*, Michael Keller BS\*, Nancy Beinlich BS\*, Megan Donohue MD, MPH, **Lisa H Merck MD, MPH**. SAEM Atlanta, GA May 2026.

## SEMINARS & LECTURES:

### International:

Journal Club, *Society for Critical Care Medicine*. **Lisa H Merck MD MPH FACEP**, “The Effect of Goal Directed Therapy on Patient Morbidity and Mortality after Traumatic Brain Injury, Results from the ProTECTIII Clinical Trial,” with Tamas Szakmany MD PhD EDIC DESA, moderator. *Critical Care Medicine Webinar* 5/23/2019.

The Highlights and Hiccups of High-Density Data. Johnathan Beall, Sharon Yeatts, Ezekiel Lowelle, Jean-Christopher Arnaud, **Lisa H. Merck**. Society for Clinical Trials 2025 Annual Meeting, May 18-21 Vancouver, British Columbia, Canada.

### National:

1. 2011 Decompressive Craniectomy in Diffuse Traumatic Brain Injury. Neurological Emergencies Treatment Trial Network, National Tele-conference/Journal Club.
2. 2014 Gender Differences in Neurological Emergencies: A Consensus Summary and Research Agenda on Traumatic Brain Injury. Gender-Specific Research in Emergency Care: Investigate, Understand, and Translate How Gender Affects Patient Outcomes. Society for Academic Emergency Medicine, National Consensus Conference, May 2015, Dallas, Texas, Lisa H Merck MD MPH and NETT investigators.
3. 2014 Cognitive Function and Traumatic Brain Injury. Neurological Emergencies Treatment Trial Network, Journal Club, national tele-conference.
4. 2014 Progesterone in the Treatment of Acute Traumatic Brain Injury. David W Wright, MD, Sharon D Yeatts, PhD, Robert Silbergleit, MD, Yuko Y Palesch, PhD, Vicki S Hertzberg, PhD, Michael Frankel, MD, Harriet Howlett-Smith, RN, Erin M Bengelink, MA, Geoff Manley, MD, PhD, Lisa H Merck, MD MPH, Scott Janis, PhD, William Barsan, MD. Results of the ProTECTIII clinical trial, presented at the Neurocritical Care Society National Conference, September 2014, Seattle, WA



5. 2015 Automated Ventricular Analysis. American Academy of Neurology-National Institute for Neurological Disorders and Stroke. Clinical Trials Methodology Cohort, April 2015, Washington DC.
6. 2015 The STITCH (TRAUMA) trial - Surgery for Traumatic Intracranial Hemorrhage. Neurological Emergencies Treatment Trial Network, Journal Club, national tele-conference, September 2015.
7. 2018 University of Florida, Department of Emergency Medicine Grand Rounds. Traumatic Brain Injury: Special Considerations in Clinical Research. Sept. 13<sup>th</sup>, 2018. The Shands Auxillary Conference Center, University of Florida, Gainesville, Florida.
8. 2019 Clearing Up the Confusion: Emergency Department Management of Glasgow Coma Score 15 Brain Bleeds. Invited Didactic Session, Society for Academic Emergency Medicine; May 17, 2019, Las Vegas, Nevada.
9. 2019 Brain Oxygen Optimization in Severe TBI, Phase 3 Clinical Standardization Team Training for the SIREN Network. Lisa H Merck MD MPH and Lori Shutter MD FACS FCCM for the BOOST3 CST, March 20, 2019, Atlanta, GA.
10. 2019 Looking into the Future: Unanswered Questions for Future Research and Collaboration. June 11, 2019. Neurotherapeutics Symposium, University of Rochester, Rochester, NY
11. 2019 Young Investigator Session, Facilitator. Neurotherapeutics Symposium, University of Rochester, Rochester, NY. June 11, 2019.
12. 2020 Clinical Imaging and Data Research Repository (CIDRR) consortium meeting. University of Florida, 1, 2020. Gainesville, Florida.
13. 2021 Special Considerations in Traumatic Brain Injury. Grand Rounds, Virginia Commonwealth University, Richmond, VA. October 10, 2021.
14. 2023 Seminar Director and Faculty, NIH SIREN Research Fellow Didactic National Lecture Series (monthly occurrence)
15. 2023 CFR 50.24 Exception from Informed Consent, lecture to the NIH SIREN Research Fellow Didactic National Lecture Series.

**Regional:**

1. 2009 Traumatic Brain Injury, An Overview. Lecture, Georgia College of Emergency Physicians, Regional Annual Meeting, June 2009, Hilton Head, South Carolina.
2. 2010 Clinical Heterogeneity in the Treatment of Traumatic Brain Injury at Level I Trauma Centers. Plenary Session, Southeastern Society for Academic Emergency Medicine, Feb 2010, Birmingham, Alabama.
3. 2020 T Yi, I Pan, F Chen, R Cueto, S Collins, J Smith, H Bai, D Merck, **L Merck**. Identification of Intracranial Hemorrhage Using an Original Artificial Intelligence System. New England

Research Directors Regional Meeting 2020, Worcester, MA.

4. 2020 Florida Medical School Virtual Research Symposium. Epidemiology of COVID-19 in First Responders & Front-Line Providers. **Lisa H Merck MD MPH**, J Glenn Morris MD MPH & TM, Derek Merck PhD, Julia Gibson BS, Cindy Montero MS, John Lednický PhD, Maha El Badry PhD, Tara Sabo-Attwood PhD, Joseph H Bisesi PhD, Anthony T Maurelli PhD, Christopher P Barnes AA, Philip Chase BSME, Kevin S Hanson MD, Nicole Iovine MD PhD, Kartik Cherabuddi MD, Adrian Tyndall MD MPH. 6/10/20, Virtual Symposium.
5. 2023 TBI Management and the BOOST3 Clinical Trial (NALS/Trauma), EMS Continuing Education Virtual Instructor Lead Training, State of Virginia.
6. 2024 Approaches to TBI: BLS/ALS/ATLS. EMS Continuing Education Virtual Instructor Lead Training, State of Virginia.

**Local:**

1. 2000 Chiari malformation. Neurological Surgery Conference, Oregon Health and Sciences University, Portland, Oregon.
2. 2001 Chiari malformation. Neurological Surgery Conference, University of Chicago, Chicago, Illinois.
3. 2002 Compliance with Asthma Protocols in an Urban Emergency Department. Thesis Defense, Oregon Health Sciences University, Portland, Oregon.
4. 2004 Spinal Injury. Neurological Surgery Resident Lecture, Duke University Medical Center, Durham, North Carolina.
5. 2006 Approach to Lumbar Puncture. Lecture for Medical Students in Emergency Medicine, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina.
6. 2006 Approach to Central Line Placement. Lecture/Laboratory for Medical Students in Emergency Medicine, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina.
7. 2006 Management of Stroke. Medical Student Teaching Lecture, Department of Emergency Medicine, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina.
8. 2006 Perinatal Seizure. Joint Pediatric Intensive Care and Emergency Medicine Conference, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina.
9. 2006 Diagnosis and Initial Management of Traumatic Spinal Injury. Emergency Medicine Resident Lecture, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina.
10. 2007 Steroid Therapy in Spinal Cord Injury. Joint Emergency Department and Trauma Surgery Conference. University of North Carolina at Chapel Hill, Chapel Hill, North Carolina.
11. 2007 Ectopic Pregnancy. Joint Obstetrics and Emergency Medicine Conference. University of North Carolina at Chapel Hill, Chapel Hill, North Carolina.

12. 2007 Wound Management. Medical Student Lecture/Laboratory, Department of Emergency Medicine, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina.
13. 2007 Trauma in the Emergency Department. Lecture for Medical Students in Emergency Medicine, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina.
14. 2007 The Interpretation of Chest Radiographs. Lecture for Medical Students in Emergency Medicine, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina.
15. 2008 Neurovascular Emergencies. Emergency Medicine Department, Grand Rounds Lecture. University of North Carolina at Chapel Hill, Chapel Hill, North Carolina.
16. 2010 Neurological Exam and Signs of Increased Intracranial Pressure in Adults and Children. Emergency Medicine Resident Lecture, Emory University, Atlanta, Georgia.
17. 2010 Neuroradiology for the Emergency Physician. Emergency Medicine Resident Lecture, Emory University, Atlanta, Georgia.
18. 2010 Anatomy of the Spine, Anatomy of Spine Trauma, and Steroids in Spinal Cord Injury. Emergency Medicine Resident Lecture, Emory University, Atlanta, Georgia.
19. 2010 Narrative and Reflection in Clinical Medicine. Emergency Medicine Resident Lecture and Small Group Conference, Emory University, Atlanta, Georgia.
20. 2010 Clinical Heterogeneity in the Treatment of Traumatic Brain Injury at Level I Trauma Centers. Emergency Medicine Resident Lecture, Emory University, Atlanta, Georgia.
21. 2011 Introduction to Neurological Emergencies, Increased Intracranial Pressure, and Neuroradiology in Adults and Children. Emergency Medicine Resident Lecture, Emory University, Atlanta, Georgia.
22. 2011 Informed Consent for Computerized Tomography. Abstract presentation, Emory Health Care Quality Conference, Emory University, Atlanta, Georgia.
23. 2011 Treatment of Neurological Emergencies. Emergency Department Nursing Seminar, Grady Memorial Hospital, Atlanta Georgia.
24. 2012 Introduction to Neurological Emergencies, Increased Intracranial Pressure, and Neuroradiology in Adults and Children. Emergency Medicine Resident Lecture, Brown University, Providence, Rhode Island.
25. 2013 Goal Directed Therapy for Traumatic Brain Injury. Neurosurgery Resident Lecture, Brown University, Providence, Rhode Island.
26. 2013 Goal Directed Therapy and Exception from Informed Consent in the ProTECTIII Trial. Emergency Medicine Resident Lecture, Brown University, Providence, Rhode Island.
27. 2013 Neurointensive Care and Goal Directed Therapy in Traumatic Brain Injury and the ProTECTIII Clinical Trial. Neurocritical Care Nursing / Midlevel Provider lecture at Rhode Island Hospital.

28. 2013 Goal Directed Therapy in Traumatic Brain Injury, Polytrauma, and the ProTECTIII Clinical Trial. Critical Care Nursing lecture in Trauma ICU at Rhode Island Hospital.
29. 2014 Exception from Informed Consent, 21CFR50.24 - Responsible Conduct of Research Lecture, Department of Emergency Medicine, Brown University, Providence, Rhode Island.
30. 2015 Exception from Informed Consent, 21CFR50.24, and the ESETT Clinical Trial - Responsible Conduct of Research Lecture, Department of Emergency Medicine Brown University, Providence, Rhode Island.
31. 2015 Asselin N, Choi B, Pettit CC, Dannecker M, Jones MS, **Merck L**, Suner S, Williams K, Jay GD, Kobayashi L. Interim results of pre-hospital provider workload assessment during simulation testing of experimental device-assisted cardiac arrest resuscitation. Lifespan Research Celebration, Providence, Rhode Island.
32. 2016 Understanding Research Relationships. Responsible Conduct of Research Lecture, Department of Emergency Medicine Brown University, September 2016, Providence, Rhode Island.
33. 2016 The Identification and Treatment of Increased Intracranial Pressure in Adults and Children. Educational Lecture, Department of Emergency Medicine Brown University, May 2016. Providence, Rhode Island.
34. 2017 Conducting Research. **Merck L** and Jay G. Research Education Lecture Series, Department of Emergency Medicine Brown University, Providence, Rhode Island.
35. 2017 Traumatic Brain Injury, Epidemiology and Advances in Clinical Care. Neuroscience Graduate Program in House Seminar, Brown University, Providence, Rhode Island.
36. 2018 Research in Emergency Medicine. Emergency Medicine Resident Lecture and Panel Discussion. Brown University, Providence, Rhode Island.
37. 2018 History and Ethics of Informed Consent and Exception from Informed Consent in Emergency Research, Department of Engineering. Engineering 2910G - Translational Engineering and Entrepreneurship. Brown University, Providence, Rhode Island.
38. 2018 Conducting Research. **Merck L** and Jay G. Research Curriculum Course, for graduate medical education fellow with Brown University, Department of Emergency Medicine Brown University, Providence, Rhode Island.
39. 2018 Traumatic Brain Injury: Special Considerations in Clinical Research. Resident education lecture, Department of Emergency Medicine Brown University, Providence, Rhode Island.
40. 2019 Exception from Informed Consent, Special Considerations in Emergency Research. University of Florida Institutional Review Board, Annual Retreat, Gainesville, Florida.
41. 2020 SIREN Steering Committee Annual Meeting, Electronic Data Capture Working Group Summary. Clearwater, Florida.
42. 2020 Influence of cooling duration on efficacy in cardiac arrest patients (ICECAP), Investigator Meeting. Ancillary Study Presentation: Clinical Imaging and Data Research Repository (CIDRR), Clearwater, Florida.

43. 2020 Traumatic Brain Injury: Special Considerations in Clinical Research. Resident education lecture. Department of Emergency Medicine University of Florida at Gainesville.
44. 2020 Seminar, Clinical and Translational Science Institute: Translational Science of COVID-19: Epidemiology of COVID-19 in First Responders and Frontline Providers. University of Florida, Gainesville.
45. 2021 Special Considerations in Acute Traumatic Brain Injury Research, Lisa Merck, Christopher Robinson, Carolina Maciel. The University of Florida Brain Center, Brain Building Lecture Series, University of Florida, Gainesville.
46. 2022 Research Introduction, Emergency Medicine Residency Lecture, Virginia Commonwealth University, Richmond, VA.
47. 2022 Informed Consent in Emergency Clinical Research, VCU Human Research Protection Program, Virginia Commonwealth University, Richmond, VA.
48. 2022 All Fellows Education Series, Speaker Panel: The Science and Art of Promotion in Academics. VCU Health Systems, Virginia Commonwealth University, Richmond, VA
49. 2023 Exception from Informed Consent, CFR50.24, Emergency Medicine Resident Conference, Virginia Commonwealth University, Richmond, VA
50. 2023 Traumatic Brain Injury, Emergency Medicine Resident Conference, Virginia Commonwealth University, Richmond, VA
51. 2023 The BOOST3 Clinical Trial, Surgical Trauma Attending Conference, Virginia Commonwealth University, Richmond, VA
52. 2023 Acute Care Clinical Trial Execution, TBI, CCTR801 Clinical Practicum Lecture, Virginia Commonwealth University, Richmond, VA
53. 2024 Emergency Medicine Research and CFR50.24 Exception from Informed Consent. Lecture to Pediatric Emergency Medicine Fellows, Virginia Commonwealth University, Richmond, VA
54. 2025 Mindfulness in Designing Clinical Trials for Populations with High Phenotypic Variability. Center for Rehabilitation Science and Engineering Research Grand Rounds, Virginia Commonwealth University, Richmond, VA
55. 2025 Traumatic Brain Injury, Joint Emergency Medicine / Trauma Surgery Conference, Virginia Commonwealth University, Richmond, VA
56. 2026 Introduction to Research, Part I, Resident / Fellow / Medical Student Conference, Emergency Medicine, Virginia Commonwealth University, Richmond, VA
57. 2026 Introduction to Research, Part II, Resident / Fellow / Medical Student Conference, Emergency Medicine, Virginia Commonwealth University, Richmond, VA
58. 2026 Randomized Clinical Trials, Population Health MED272 Population Health and Evidence - Based Medicine - M2 Fall (PHEMBM2), VCU School of Medicine, *lecture for 9/2026*

**Seminar Director:**

- 2023 - National, Seminar Director and Faculty, NIH SIREN Research Fellow Didactic Monthly Lecture Series, “*Siren calls*”
- 2023 - 2025 Local, Emergency Medicine Resident Conference, *Research Incubator*, monthly lecture and conference series, Virginia Commonwealth University, Richmond, VA

**FORMAL TEACHING (GRADUATE MEDICAL EDUCATION & MEDICAL SCHOOL):**

- 2025 – current Professor, with Tenure Virginia Commonwealth University (VCU), Richmond, VA  
Professor, Emergency Medicine, VCU  
Affiliate Professor, Neurosurgery, VCU  
Affiliate Professor, Physical Medicine & Rehabilitation, VCU  
Vice Chair of Research, Department of Emergency Medicine VCU SOM  
Medical Director, Clinical Trials Collaborative, VCU Health Systems
- 2022 – 2025 Professor of Emergency Medicine VCU SOM  
Vice Chair of Research, Department of Emergency Medicine  
Medical Director, Acute Clinical Research, Virginia Commonwealth University Health Systems
- 2019 – 2022 Associate Professor of Emergency Medicine University of Florida at Gainesville  
Affiliate Associate Professor of Neurology | Neurocritical Care  
Affiliate Associate Professor of Health Outcomes and Biomedical Informatics
- 2019 – current Adjunct Associate Professor of Neurosurgery, Alpert Medical School, Brown University, Providence, RI
- 2025 – 2026 Co-Course Director, PHAR691  
Special Topics in Pharmacy - Independent Research, Neuroscience Critical Care  
Research Elective, VCU School of Pharmacy / VCU School of Medicine
- 2023 – current Lead faculty/Director: Research, Education, and Mentorship cycle (the *REM* cycle), a collaboration between trainees / principal investigators to facilitate cross-campus research and mentorship. Weekly didactic and project driven meetings are inclusive of participants from undergraduate, graduate, and medical school campuses, VCU SOM
- 2023 – current National Seminar Director and Faculty: SIREN Calls, a monthly didactic series for early-stage investigators, fellows, and collaborators within the U01 SIREN clinical trial network (NIH Network for Emergency Care Clinical Trials: Strategies to Innovate EmeRgENcy Care Clinical Trials Network).
- 2022 – current Faculty, Senior Emergency Medicine Clerkship, MEDI-42004, Emergency Medicine – AI, Department of Emergency Medicine, VCU, Richmond, VA
- 2023 – 2025 Lecturer, *Research Incubator*. Monthly emergency medicine resident, fellow, and medical student didactic series in research education, VCU, Richmond, VA
- 2023 – 2024 Faculty Mentor, Honors Summer Undergraduate Research Program,

Wright Center for Clinical and Translational Research, VCU, Richmond, VA

- 2019 – 2021 Adjunct Associate Professor of Emergency Medicine, Neurosurgery, and Diagnostic Imaging Alpert Medical School, Brown University, Providence, RI
- 2019 – 2022 Faculty, Senior Emergency Medicine Clerkship MDC7710  
University of Florida College of Medicine, Gainesville, FL
- Class section: 345G  
Class section: 3472  
Class section: 347D  
Class section: 347H
- 2018 – 2019 Associate Professor of Emergency Medicine, Neurosurgery, and Diagnostic Imaging Alpert Medical School, Brown University, Providence, RI
- 2017 – 2018 Assistant Professor of Emergency Medicine, Neurosurgery, and Diagnostic Imaging Alpert Medical School, Brown University, Providence, RI
- 2016 – 2019 Director, Translational Research in Medicine, Scholarly Concentration Alpert Medical School of Brown University, Providence, RI
- 2018 – 2019 Clinical Instructor, Med Ed BIOL3640 and Med Ed BIOL3650 Doctoring Course, Preclinical program designed to combine instruction and assessment in both clinical skills and professional development.  
Alpert Medical School of Brown University, Providence, RI
- 2012 – 2017 Assistant Professor of Emergency Medicine and Diagnostic Imaging Alpert Medical School, Brown University, Providence, RI
- 2017 Instructor, Lifespan Medical Simulation Center, Code / Cardiopulmonary Arrest Response Training.  
Alpert Medical School of Brown University, Providence, RI
- 2015 Instructor, Clinical Skills Doctoring Course, Clinical Skills Assessment, Lumbar Puncture Session.  
Alpert Medical School of Brown University, Providence, RI
- 2014 Instructor, Medical Student Suturing Laboratory.  
Alpert Medical School of Brown University, Providence, RI
- 2014 Oral Board Examiner, Resident Physician Oral Board Exams.  
Alpert Medical School of Brown University, Providence, RI
- 2013 Oral Board Examiner, Resident Physician Oral Board Exams.  
Alpert Medical School of Brown University, Providence, RI
- 2010 – 2011 Instructor, Safe a Life and Protect Your Own  
Emory University School of Medicine, Atlanta, GA
- 2009 Instructor, Resident Airway Course, Emergency Medicine Residency

Emory University School of Medicine, Atlanta, GA

2009 – 2012      Instructor, Procedural Skills in Emergency Medicine  
Emory University School of Medicine, Atlanta, GA

### **Academic Mentees:**

- 2025 – current      Kayleigh Fischer MD Assistant Professor & Director of Research for Emergency Medicine; Assistant Program Director, PEM Fellowship  
Department of Emergency Medicine, Division of Pediatric Emergency Medicine  
UTHealth Houston | McGovern Medical School  
Mentoring focus: CFR 50.24 EFIC in MCCT deployment (SIREN, KESETT)
- 2025 – current      Kirsty Dixon PhD, Associate Professor of Surgery, Anatomy & Neurobiology,  
Virginia Commonwealth University.  
Department of Surgery Mentorship Committee, Scientific Discovery in Neurological Injury; Surgical Skills Training
- 2023 – current      Michael Joyce MD, Associate Professor to Professor ('26) of Emergency Medicine,  
Virginia Commonwealth University. SIREN Fellow, NIH Clinical Trial Execution in  
ICECAP, BOOST3, and DoD sponsored BioBOOST.  
2023-2024: Emergency Medicine Faculty
- Fellow, SIREN | CORE-EM Hub Alliance in the Network for Emergency Care Clinical Trials: Strategies to Innovate EmeRgENcy Care Clinical Trials Network (SIREN) NIH NHLBI NINDS U24NS100673-06 (MPIs: Merck- contact, Wright, Papa, Selker, Mosier, Jones)
- 2023 – current      Megan Donahue MD MPH, Assistant Professor to Associate Professor ('26) of  
Emergency Medicine, Virginia Commonwealth University. SIREN Fellow, NIH  
Clinical Trial Execution in  
ICECAP, POSTICECAP, & BOOST3.  
2023-2024: Emergency Medicine / Internal Medicine Faculty
- 2023 Fellow, SIREN | CORE-EM Hub Alliance in the Network for Emergency Care Clinical Trials: Strategies to Innovate EmeRgENcy Care Clinical Trials Network (SIREN) NIH NHLBI NINDS U24NS100673-06 (MPIs: Merck- contact, Wright, Papa, Selker, Mosier, Jones).
  - 2024 AAMC Early Career Women Faculty Leadership Development Seminar
  - 2024 Public Health Institute Fellowship with Access Bridge, Initiation of female contraception programs in the emergency department setting.
- 2022 – current      Stephanie DeMasi MD, Fellow to Assistant Professor of Emergency Medicine,  
Critical Care Fellow, Virginia Commonwealth University; NIH Clinical Trial  
Execution in ICECAP & BOOST3.  
2023: Emergency Medicine Faculty, Vanderbilt University
- T32 NIH NIGMS (2023): Investigation of the Ideal Neuromuscular Blocking Agent for Rapid Sequence Intubation.
  - K23HL181199-01 (2025): Intubation with Sedation Only to Prevent Hypoxemia during Emergency Tracheal Intubation of Critically Ill Adults: A



## Randomized Clinical Trial

- 2022 – current Radina Lilova MS3G2, VCU MD PhD Trainee, Medical Scientist Training Program, Mentorship in clinical trial design for studies of traumatic brain injury and research ethics (CFR 50.24 EFIC). Mentorship in biomarker analyses of phenotype of TBI, such as diffuse axonal injury.
- Charles C. Clayton School of Medicine Scholarship (2024)
  - David M. Frim MD PhD Center for Excellence in Academic Mentorship Scholarship for work in scientific discovery related to acute neurological injury (2024)
- 2024 – current Rachel Mueller, Research Assistant / mentee in clinical research execution across critical care and neurological emergencies. Matriculated to Virginia Commonwealth University School of Dentistry, 2024.
- 2022 – current Noah Hillerbrand MD Anesthesia Critical Care Fellow, VCU 2025 Emergency Medicine Graduate 2025, Mentorship in clinical trial design, execution, and research ethics (CFR 50.24 EFIC).
- 2022 – 2024 Naomi Carter MS3G1, VCU MD PhD Trainee, Medical Scientist Training Program, Mentorship in clinical trial design, execution, and research ethics (CFR 50.24 EFIC).
- 2018 – 2021 Fiona Chen MD Medical School: Brown University, Providence, RI MD ‘21 Translational Research in Clinical Medicine Scholarly Concentration, Mentee 2018-2021 Emergency Medicine Residency: Emergency Medicine, UCSF
- 2018 T35 HL094308 NIH National Heart, Lung, Blood Institute. Project: Identifying Radiographic Biomarkers for the Prognostication of Traumatic Brain Injury.
  - 2019 1st place: Brown Emergency Medicine Research Symposium. The Relationship Between Magnitude of International Normalized Ratio and Outcome after Traumatic Brain Injury.
  - 2021 Dr Alexander Greene Medical Student of the Year Award: Emergency Medicine Resident Association, SAEM.
- 2018 – 2025 Tyler Harder MS; MD, Harvard Affiliated Emergency Medicine Residency at Beth Israel Deaconess Medical Center, Boston, MA (*current*).
- Clinical Research Mentee, 2018 - 2025
  - Research Assistant, 2018 – 2019
  - Medical School: Alpert Medical School of Brown University Providence, RI ‘23
  - Translational Research in Clinical Medicine Scholarly Concentration:
  - 2020 Research Award: Critical Care Congress, Society of Critical Care Medicine, Orlando, FL 2/2020: Patient-Specific Prognostication After TBI Is Related to Bleed Phenotype and Anatomic Location.
- 2015 – current Owen Leary BS; MD PhD candidate ‘28 Program for Liberal Medical Education, Brown University, Providence, RI Medical School: Warren Alpert Medical School of Brown University, Providence, RI Translational Research in Clinical Medicine Scholarly Concentration:

- 2020 Research Award: Critical Care Congress, Society of Critical Care Medicine, Orlando, FL 2/2020: Outcome Prediction with Computer-Assisted Volumetry and ABC/2 in Traumatic Intra-Axial Hemorrhage.
- 2019 First Place, Trainee Competition Winner Best Poster on Cranial Trauma AANS/CNS Joint Section on Trauma and Critical Care: Volume of SDH & EDH Measured by Computer-Assisted Estimation Is More Predictive of Mortality and Functional Disability than ABC/2, National Neurotrauma Society, Pittsburgh, PA.

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|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2020 – 2022 | <p>Carolina B. Maciel MD MSCR, Assistant Professor of Neurology and Neurosurgery, University of Florida at Gainesville.</p> <ul style="list-style-type: none"> <li>• <u>American Heart Association Innovative Project Award, 11/2020,</u> VIGAB STAT Feasibility of delivering vigabatrin (VGB) within 48 hours of onset of post-anoxic status epilepticus due to cardiac arrest.</li> <li>▪ <u>NINDS R25, Clinical Trials Methodology Course Cohort, University of Michigan, 2021.</u> VIGAB STAT Phase IIb planning</li> </ul>                                                                                                                                                                                                                                                                  |
| 2021– 2022  | <p>Torben Becker MD PhD, Assistant Professor of Emergency Medicine and Critical Care Medicine, University of Florida at Gainesville.</p> <ul style="list-style-type: none"> <li>▪ <u>SAEM Foundation/Global EM Academy Research Pilot Grant Award,</u> Increasing Access to Pre-Emergency Care and Treatment in Ghana.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 2018 – 2019 | <p>Ian Pan, MD</p> <p><u>Medical School:</u> Alpert Medical School of Brown University, Providence, RI '20</p> <p><u>Residency:</u> Diagnostic Imaging Brigham and Women's Hospital, Boston, MA</p> <p><u>Translational Research in Clinical Medicine Scholarly Concentration Mentee:</u> Advanced Image Analysis in Traumatic Brain Injury and Stroke. Artificial Intelligence in Medicine.</p> <ul style="list-style-type: none"> <li>▪ <u>2018 RSNA Trainee Research Prize:</u> Radiologic Society of North America for abstract, Predicting Thyroid Nodule Malignancy with Efficient Convolutional Neural Networks.</li> <li>▪ <u>2018 1st Place, RSNA Pneumonia Detection Challenge:</u> Drs Ian Pan and Cadrin-Chenevert placed #1 (out of 1,400 submissions from 85 countries).</li> </ul> |
| 2019 – 2021 | <p>Robert Cueto, MD candidate '25</p> <p><u>Research Assistant Mentee</u> 2019 - 2021</p> <p><u>Medical school matriculation,</u> 2021, University of Florida, Gainesville, FL</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 2020 – 2021 | <p>Miranda Solly MD</p> <p><u>Medical School:</u> University of Florida at Gainesville.</p> <p>Research in: COVID 19 Epidemiology in First Responders and Front-Line Providers.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 2013 – 2018 | <p>Jena Lerch BSN, PhD</p> <p><u>Research Assistant Mentee,</u> Brown University (2013 – 2018)</p> <p><u>BSN,</u> Rhode Island College, 2018</p> <p><u>Doctor of Nursing Practice,</u> Florida International University, 2022</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 2015 – 2016 | <p>Erin O'Donnell PA</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

Research Assistant Mentee, Brown University (2015-2016).  
Physician's Assistant, University of Saint Joseph, West Hartford, CT (2019).  
Hasbro Pediatric Emergency Medicine PA Program, Providence, RI

- 2014 – 2019      Madeline Cosgriff  
Research Intern, Assistant, & Mentee, Brown University, Providence, RI  
Project: AI in Pediatric Hydrocephalus. Alpert Medical School of Brown University, Providence, RI
- 2014 – 2015      Michael Lunney MPH  
Graduate Student, Georgia State University, Athens, GA  
Project: Master of Public Health, Concentration in Health Management and Policy.  
Thesis: Effect of progesterone administration in traumatic subarachnoid hemorrhage. Atlanta, GA
- 2013 – 2015      My (Virginia) Tran MD  
Research Assistant Mentee, Brown University  
Medical School, Harvard Medical School, Boston, MA.  
Residency Match: Emergency Medicine Highland Hospital, CA
- 2011 – 2012      Michael Holdsworth MD  
Medical Student mentee, Emory University  
Project: Use of Informed Consent for Computerized Tomography, Emory University School of Medicine, Atlanta, Georgia.  
Residency Match: Emergency Medicine/Pediatric Emergency Medicine – University of Maryland Medical Center, Baltimore, MD
- 2011 – 2012      Jordan Kaylor MD  
Medical Student mentee, Emory University  
Project: The Effect of Electronic Charting and Physiologic Monitoring on Treatment of Traumatic Brain Injury in an Urban Emergency Department, Emory University School of Medicine, Atlanta, Georgia.  
Residency Match: Emergency Medicine – Northwestern Memorial Hospital, Chicago, Illinois
- 2011 – 2012      Joshua Keithley MD  
Medical Student mentee, Emory University  
Project: Use of a Video Educational Module as an Adjunct to Written Informed Consent for Computerized Tomography, Emory University School of Medicine, Atlanta, Georgia.  
Residency Match: Emergency Medicine – John Peter Smith Hospital, Fort Worth, TX
- 2010 – 2011      Margaret Gipson MD  
Medical Student mentee, Emory University  
Project: Informed Consent for Computerized Tomography, Emory University School of Medicine, Atlanta, Georgia.  
Residency Match: Emergency Medicine – Carolinas Medical Center, Charlotte, NC
- 2010 – 2011      Samuel Chang MD  
Medical Student mentee, Emory University

**Project:** Goal Directed Therapy for Traumatic Brain Injury, Emory University School of Medicine, Atlanta, Georgia.

**Residency Match:** Emergency Medicine – Carolinas Medical Center, Charlotte, NC

2009 – 2012 Heather Gunn MD  
Emergency Medicine Resident, Emory University School of Medicine, Atlanta, Georgia

### **Research Education & Mentorship (REM) Cycle Student Mentees:**

2023 – current Michael Keller (VCU SOM Class of 2027)  
Dylan Kelley (MD PhD candidate)  
Nikhil Chandravel (VCU SOM Class of 2027)  
Joanna Le Gallouder (VCU SOM Class of 2027)  
Sebastian Gutierrez (VCU SOM Class of 2027)  
Nancy Beinlich (VCU SOM Class of 2027)  
Radina Lilova (VCU SOM MD/PhD Candidate)  
Naomi Carter (VCU SOM MD/PhD Candidate)  
Sreedhatri Kandlakunta (VCU 2023; matriculated to  
Drexel Univ SOM '25)

### **Certification:**

|                             |                            |                                      |
|-----------------------------|----------------------------|--------------------------------------|
| 2010 -                      | Active Board Certification | American Board of Emergency Medicine |
| 2022 -                      | Active License             | Virginia Board of Medicine           |
| 2019 -                      | Active License             | Florida Medical Board                |
| 2007 -                      | Active License             | North Carolina Medical Board         |
| 2008 -                      | Active License             | Georgia Medical Board                |
| 2012 - 2020                 | License                    | Rhode Island Medical Board           |
| 2002                        | USMLE Step II              | Passed                               |
| 2000                        | USMLE Step I               | Passed                               |
| NIH Stroke Scale (NIHSS)    |                            | Certification                        |
| ABCD2 Training              |                            | Certification                        |
| Modified Rankin Scale (mRS) |                            | Certification                        |
| BLS/ACLS/ATLS/PALS/NALS     |                            | Certification                        |

### **Community Work and Public Service Education:**

2026 – Making Headway, Brain Injury Association of Virginia, Community Consultation event for KESETT clinical trial

2024 – Brain Injury Association of Virginia, Community Consultation: Traumatic Brain Injury research and classification updates, Richmond, VA

2023 – Volunteer, Habitat for Humanity, Richmond, VA

2023 Panelist - Ethics. The Maggie L. Walker Governor's School for Government and

International Studies, Honor Council - Richmond, VA

|             |                                                                                                                                                                                                                                                                     |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2023        | WBTK, Spanish Radio interview Richmond, VA, Mount Rich Media, LLC; Traumatic Brain Injury research in Virginia, The BOOST3 clinical trial at VCU Health System.                                                                                                     |
| 2020 – 2022 | Elected to serve on the School Advisory Council, Alachua County School District, FL                                                                                                                                                                                 |
| 4/2020      | Channel NBC Television Interview<br>COVID-19 Testing initiative for first responders and emergency department employees in North Central Florida                                                                                                                    |
| 4/2020      | Channel ABC Television Interview<br>COVID-19 Testing initiative for first responders and emergency department employees in North Central Florida                                                                                                                    |
| 4/2020      | NPR Radio interview<br>Emergency Medicine COVID Response, and importance of personal protective equipment                                                                                                                                                           |
| 12/20/19    | NewsRadio WIOD - Radio interview Miami's News, Traffic, and Weather Station<br>Traumatic Brain Injury research in Florida, The BOOST3 clinical trial at Shands Hospital.                                                                                            |
| 2012 – 2015 | Town Council: Environmental Conservation Commission, Barrington, RI                                                                                                                                                                                                 |
| 12/2015     | Providence en Espanol News Article: Exception from Informed Consent and ESETT<br>Rhode Island Hospital y Hasbro Children's Hospital participarán en un ensayo investigativo sobre medicinas anticonvulsivas administradas en salas de emergencia                    |
| 11/2015     | Newport Daily News<br>Clinical Trial Public Service Announcement Exception from Informed Consent and the ESETT clinical trial                                                                                                                                       |
| 11/2015     | Rhode Island Medical Journal, Public Service Announcement<br>Exception from Informed Consent and the ESETT Clinical Trial                                                                                                                                           |
| 11/2015     | The Independent, Public Service Announcement<br>Exception from Informed Consent and the ESETT Clinical Trial                                                                                                                                                        |
| 7/2013      | Latino Public Radio, Interview<br>Traumatic Brain Injury and Exception from Informed Consent<br><a href="http://www.lprri.org/inicio/index.php?categoryid=65&amp;p2_articleid=23534">http://www.lprri.org/inicio/index.php?categoryid=65&amp;p2_articleid=23534</a> |
| 8/2013      | Exception from Informed Consent and Research in Traumatic Brain Injury. Conference with Brain Trauma Survivors, Neurorestorative Care, Charlestown, RI                                                                                                              |
| 8/2013      | Providence Journal Newspaper Interview<br>Traumatic Brain Injury and Exception from Informed Consent Research                                                                                                                                                       |
| 8/2013      | Channel 10 News, Interview<br>Traumatic Brain Injury and Exception from Informed Consent Research                                                                                                                                                                   |

7/2013  
Rhode Island Medical Journal  
The ProTECTIII Clinical Trial  
<https://www.rimed.org/rimedicaljournal/2013-07/2013-07-55- news-briefs.pdf>

### INDUSTRY CONSULTANT:

|             |                                                                         |
|-------------|-------------------------------------------------------------------------|
| 2018 – 2019 | Shire Development LLC, EFIC design of clinical trials                   |
| 2021 – 2023 | Novartis, TBI Expert Panel                                              |
| 2021 –      | Gryphon Bio Inc, Medical Consultant, Clinical Trial Design; Clinical PI |

**MEMBERSHIP IN SOCIETIES:**

|        |                                                                      |
|--------|----------------------------------------------------------------------|
| 2021 – | Society for Clinical Trials                                          |
| 2020 – | Society for Critical Care Medicine                                   |
| 2013 – | Neurocritical Care Society                                           |
| 2013 – | National Neurotrauma Society                                         |
| 2013 – | Society for Neurotrauma, Women in Neurotrauma Research               |
| 2012 – | Academy of Women in Academic Emergency Medicine                      |
| 2011 – | Image Gently, The Alliance for Radiation Safety in Pediatric Imaging |
| 2008 – | American College of Emergency Physicians                             |
| 2008 – | Society for Academic Emergency Medicine                              |