

## CURRICULUM VITAE

February 1, 2019

**Marion Leary RN MSN MPH FAHA**

### **BUSINESS ADDRESS**

Director of Innovation  
School of Nursing  
University of Pennsylvania  
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Philadelphia, PA 19104  
(215) 776.4235  
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### **EDUCATION**

PhD program	Anticipated 2023	University of Pennsylvania Philadelphia, Pa
MPH, Cum Laude	2014	University of Pennsylvania Philadelphia, PA
MSN - Health Leadership, Cum Laude	2013	University of Pennsylvania Philadelphia, PA
BSN, Magna Cum Laude	2006	Thomas Jefferson University Philadelphia, PA
Pre-Nursing	2004	Temple University Philadelphia, PA
HIV/AIDS Educator	1996	American Red Cross Philadelphia, PA
EMT	1996	National Institute of Emergency Care Philadelphia, PA

### **POSITIONS AND EMPLOYMENT**

2019-Present	<b>Director of Innovation, School of Nursing</b> University of Pennsylvania, Philadelphia, Pa
2018-Present	<b>Instructor, Innovation in Health: Foundations of Design Thinking, School of Nursing</b> University of Pennsylvania, Philadelphia, Pa
2017-2019	<b>Innovation Specialist, School of Nursing</b> University of Pennsylvania, Philadelphia, Pa
2016-2019	<b>Director of Innovation Research, Center for Resuscitation Science</b> University of Pennsylvania, Philadelphia, Pa
2016-2018	<b>Course Director, Research Residency, School of Nursing</b> University of Pennsylvania, Philadelphia, Pa

- 2015-2018 **Instructor, Methods for Public Health Practice, Master's of Public Health**  
University of Pennsylvania, Philadelphia, Pa
- 2014-2016 **Associate Course Director, Research Residency, School of Nursing**  
University of Pennsylvania, Philadelphia, Pa
- 2010-2016 **Assistant Director of Clinical Research, Center for Resuscitation Science**  
University of Pennsylvania, Philadelphia, Pa
- 2007-2010 **Nurse Researcher, Center for Resuscitation Science**  
University of Pennsylvania, Philadelphia, Pa
- 2006-2011 **Critical Care Nurse, Medical Intensive Care Unit**  
Hospital of the University of Pennsylvania, Philadelphia, Pa
- 2005 **Nurse Extern, Medical Oncology Unit**  
Fox Chase Cancer Center, Philadelphia, Pa

#### **OTHER POSITIONS**

- 2016-2018 **Organizer; Board Member, Philadelphia Science Action (March for Science PHL)**  
Philadelphia, Pa
- 2016-2018 **Founder, ImmERge Labs, LLC**  
Philadelphia, Pa
- 2014-2018 **Consultant, Social Media and Health Innovation Lab, University of Pennsylvania**  
Philadelphia, Pa
- 2013-2014 **Founder, #CommonwealthEquality**  
Philadelphia, PA
- 2012-2015 **Founder, Resuscor, LLC**  
Philadelphia, Pa
- 2011-2015 **Founder & President, Sink or Swim Inc.**  
Philadelphia, PA
- 1995-2005 **Event Producer, Freelance**  
Philadelphia, PA
- 1999-2000 **House Manager, VinFen Corporation**  
Boston, MA
- 1998-1999 **Case Manager, VinFen Corporation**  
Boston, MA
- 1996-1997 **HIV/Reproductive Health Specialist, CHOICE**  
Philadelphia, PA
- 1996-1997 **HIV/AIDS Educator, American Red Cross**

Philadelphia, PA

**OTHER PROFESSIONAL ACTIVITIES**

- 2019 **Digital Communications Working Group, American Heart Association**
- 2019-Present **Fellow, Society of Nurse Scientists, Innovators, Entrepreneurs & Leaders**
- 2019-Present **Innovation Advisory Board, American Nurses Association**
- 2019-Present **Writing Group, American Heart Association, Bystander CPR Scientific Statement**
- 2018-Present **Programming Committee, Citizen CPR Foundation, Emergency Cardiovascular Care Updates Conference**
- 2018 **Panelist, Social Media for Action, Knight Foundation Tech in the Commons**
- 2018 **Judge, Mentor, Rothberg Catalyst/Penn Health Tech Makerthon**
- 2018 **Panelist, Exploring the New Reality  
Penn Club of Philadelphia/Engineering AR Alumni Event  
University of Pennsylvania, Philadelphia, Pa**
- 2018 **Moderator, Extreme By Design Documentary Screening & Panel Discussion  
University of Pennsylvania, Philadelphia, Pa**
- 2017 **Mentor, Give Back Hack  
Philadelphia, Pa**
- 2017 **Panelist, Penn Immersive Symposium  
University of Pennsylvania, Philadelphia, Pa**
- 2017 **Panelist, Penn Center for Innovation Venture Showcase  
University of Pennsylvania, Philadelphia, Pa**
- 2017-2018 **Social Media Ambassador, Resuscitation Science Symposium  
American Heart Association**
- 2017 **Judge, Penn Apps Hackathon, Real World Health Track  
University of Pennsylvania, Philadelphia, Pa**
- 2017 **Panelist, Nurse Innovation and Entrepreneurship Summit  
Northeastern University, Boston, MA**
- 2017-Present **Penn Health Tech Executive Committee  
University of Pennsylvania, Philadelphia, Pa**
- 2017-2018 **Advocacy Ambassador, American Heart Association Cardiovascular Nursing  
Leadership Committee, Dallas, Tx**
- 2017 **Co-Host, Public Health Round Table, College of Physicians  
Philadelphia, Pa**

- 2017            **Social Media & Website Committee, Citizen CPR Foundation**  
Overland Park, KS
- 2016            **Planning Committee, Mentor, Nurse Hackathon, School of Nursing**  
Northeastern University, Boston, MA
- 2016-Present   **Innovation Advisor, Biomedical Library Advisory Committee**  
University of Pennsylvania, Philadelphia, Pa
- 2016-2017      **Innovation Committee, Education Summit, American Heart Association**  
Dallas, Tx
- 2016-Presenet  
2016            **Guest Rotation Curator: Real Scientist, The STEM Squad, Citizen CPR Foundation,  
Chemical Heritage Foundation, SciParty**
- 2016            **Panelist, Philadelphia Science Festival, LGBTQ in Science**  
Philadelphia, Pa
- 2015-2018      **Member, Penn STEM Alliance**  
University of Pennsylvania, Philadelphia, Pa
- 2015-2016      **Team Leader Penn Medicine Leadership Forum – Performance Improvement  
Project**
- 2015-2017      **Alumni/Faculty Panelist, MPH Capstone Panelist**  
University of Pennsylvania, Philadelphia, Pa
- 2015-2018      **Chair, American Heart Association Women in Resuscitation**  
Dallas, Tx
- 2014            **Expert Panelist, American Heart Association Women and Cardiac Arrest Facebook  
Chat**  
Dallas, Tx
- 2014-2017      **Expert Panelist, American Heart Association CPR Throwdown**  
Dallas, Tx
- 2014-2015      **Worksheet Author, International Liaison Committee on Resuscitation 2015**
- 2014-2015      **Writing Group, American Heart Association, 2015 AHA Resuscitation Guidelines**
- 2013-2016      **Writing Group, American Heart Association, Digital Strategies and the Use of Social  
Media to Measure and Improve Emergency Cardiovascular Care and Resuscitation**
- 2013-2017      **Member, American Heart Association Cardiovascular Nursing Membership and  
Communications Committee**  
Dallas, Tx
- 2013- 2018     **Member, American Heart Association Emergency Cardiovascular Care Science  
Subcommittee**  
Dallas, Tx

- 2013 **Director, TTM Sessions, Neurocritical Care Society Annual Meeting** Philadelphia, Pa
- 2013 **Nursing Research Day Committee Member**  
University of Pennsylvania, Philadelphia, Pa
- 2013 **Member, Penn Medicine Leadership Forum – Performance Improvement in Action**  
Hospital of the University of Pennsylvania, Philadelphia, Pa
- 2013 **Selection Committee, Clinical Research C.A.R.E Award**  
University of Pennsylvania, Philadelphia, Pa
- 2013- 2016 **Co-Director, Hypothermia and Resuscitation Training (HART) Institute at Penn**  
**University of Pennsylvania, Philadelphia, Pa**
- 2012-2013 **Advisor, Nursing Research Core Council**  
Hospital of the University of Pennsylvania, Philadelphia, Pa
- 2011-2012 **Writing Group, International Liaison Committee on Resuscitation/American Heart**  
**Association**
- 2008-2010 **Worksheet Author, International Liaison Committee on Resuscitation 2010**

#### **OTHER CLINICAL POSITIONS**

- 2017 **Provider Advisory Committee, Phone App for Teen Health, School of Nursing**  
University of Pennsylvania, Philadelphia, Pa
- 2017 **Guest Lecturer, Nursing, Innovation and Entrepreneurship, School of Nursing**  
University of Pennsylvania, Philadelphia, Pa
- 2017 **Full Member, Translational Medicine and Therapeutic (ITMAT), School of**  
**Medicine**  
University of Pennsylvania, Philadelphia, Pa
- 2015-2017 **Judge, Public Health's Public Health Day Symposium**  
College of Physicians, Philadelphia, Pa
- 2015-2017 **Judge, George Washington Carver Science Fair**  
Philadelphia, Pa
- 2014 **Panelist, Entrepreneurial Opportunities of Public Health Nursing, School of Nursing**  
University of Pennsylvania, Philadelphia, Pa
- 2013 **Guest Lecturer, Philanthropy, Social Media and Healthcare, College of Health**  
**Sciences**  
University of Delaware, Newark, Delaware
- 2013-2014 **Guest Faculty, Mass Casualty Simulation, School of Nursing**  
University of Pennsylvania, Philadelphia, PA
- 2011-2016 **Guest Lecturer, Cardiac arrest, Resuscitation & Therapeutic Hypothermia;**  
**Resuscitation and Leadership, School of Nursing**  
University of Pennsylvania, Philadelphia, PA

- 2011-2014 **Guest Lecturer, Cardiac arrest, Resuscitation and Therapeutic Hypothermia,**  
Gateway to Critical Care Program  
Hospital of the University of Pennsylvania, Philadelphia, PA
- 2009-2016 **Faculty/Co-Creator, Hypothermia and Resuscitation Training Institute at Penn**  
University of Pennsylvania, Philadelphia, PA
- 2008 **Planning Committee, Sudden Cardiac Arrest Conference**  
Philadelphia, PA
- 2007-2010 **Facilitator, Penn Alliance for Therapeutic Hypothermia**  
Philadelphia, PA
- 2007-2010 **Committee Member, Heart Safe Philadelphia Coalition, American Heart Association**  
Philadelphia, PA
- 2007-2016 **Committee Member, Clinical Emergency Committee**  
Hospital of the University of Pennsylvania, Philadelphia, PA

### **CERTIFICATION/LICENSURE**

#### **Current Certifications**

- Certification: Basic Life Support Instructor, American Heart Association  
 Certification: Fundamental Disaster Management, Society of Critical Care Medicine  
 Certification: University of Pennsylvania Clinical Research Coordinator  
 Certification: Advanced Cardiac Life Support, American Heart Association  
 Certification: Basic Life Support, American Heart Association

#### **Licensure**

RN Licensure: Pennsylvania active

### **HONORS AND AWARDS**

- 2017 Winner, Quality and Patient Safety Award, Hospital of the University of Pennsylvania  
 2017 Winner, Geek of the Year, Philadelphia Geek Awards  
 2017 Winner, Digital Health Accelerator, Science Center (ImmERge Labs)  
 2017 Winner, Philadelphia Happenings 2017, Volunteer Award  
 2017 Winner, AppItUP, University of Pennsylvania (ImmERge Labs)  
 2017 Finalist, American Heart Association, Heart Science Forum Innovation Challenge  
 2016 Finalist, Philadelphia Social Innovation Journal Health Innovator Award  
 2016 Nursing Innovation & Entrepreneur Hackathon, Northeastern Un, TeleCode (1<sup>st</sup> Place)  
 2016 Finalist, Philadelphia Happenings 2016, Volunteer Award  
 2016 Philadelphia Social Innovation Lab, Virtual Reality Sudden Cardiac Arrest (3<sup>rd</sup> Place)  
 2016 Philadelphia Social Innovation Lab, Heart Failure Communication System  
 2015 Gates Social Alumni, Gates Foundation  
 2015 Senior Fellow, Center for Public Health Initiatives, University of Pennsylvania  
 2015 International Fellow of the American Heart Association (FAHA), Council on Cardiovascular and Stroke Nursing  
 2015 Who's Next: The Givers, 15 young Philadelphians shaping the city's philanthropy sector, Billy Penn, Philadelphia, PA  
 2014 Honorable Mention, Quality and Safety Award, University of Pennsylvania Health System  
 2014 Certificate of Research Excellence, American Heart Association, Southeastern Pennsylvania  
 2014 Finalist, AppItUP, University of Pennsylvania

- 2013 MPH Scholarship Award, University of Pennsylvania
- 2013 Finalist, Community Quarterback Award, Philadelphia Eagles
- 2013 Homecoming Hero Award, William Way Community Center
- 2013 Regional Finalist, Nursing Excellence GEM Awards
- 2012 Hometown Hero Award, Philadelphia Eagles
- 2012 Women's Achievement Award, KYW News
- 2011 C.A.R.E Nominee, University of Pennsylvania
- 2010 C.A.R.E Nominee, University of Pennsylvania
- 2006 Excellence in Nursing, Thomas Jefferson University
- 2006 Debra Bloom Lenhart Nursing Award, Thomas Jefferson University
- 2005 Revelle-Brown Award, Thomas Jefferson University

### **RESEARCH SUPPORT**

- 2019 Co-Investigator, CHOP SPARK-Ed Grant, PediSepsisAR: Augmented Reality in Pediatric Septic Shock Simulation
- 2018 Principal Investigator, Zoll Foundation, Advancing healthcare provider resuscitation quality using an immersive augmented reality CPR training system.
- 2017 Co-Investigator, Rita and Alex Hillman Foundation. Creating a nursing specific innovation curriculum.
- 2017 Principal Investigator, AztraZeneca Health Innovation Challenge. Using a virtual reality sudden cardiac arrest mobile application to increase CPR training in low-socioeconomic status communities in Philadelphia.
- 2017 Principal Investigator, Medtronic Foundation. HeartRescue Program. Comparing a mobile virtual reality CPR training application versus a video-only CPR mobile application
- 2017 Principal Investigator, Laerdal Foundation. Using a virtual reality sudden cardiac arrest system to examine bystander response.
- 2016 Principal Investigator, Medtronic Foundation. HeartRescue Program. Examining bystander response during cardiac arrest using virtual reality immersion.
- 2015 Co-Investigator, Independence Blue Cross Foundation. The Mobile CPR Project. The Mobile CPR Project travels to disadvantaged neighborhoods in Philadelphia to teach CPR and increase survival from sudden cardiac arrest.
- 2015 Principal Investigator, Laerdal Foundation Project Grant. An innovative dyad for in-hospital cardiac arrest (IHCA) to improve code team process variables and clinical outcomes.
- 2014 Principal Investigator, American Heart Association, Mentored Clinical & Population Research National Award. End-tidal carbon dioxide and CPR: quantifying physiology during cardiac arrest resuscitation.

### **FOUNDATION SUPPORT/GRANT AWARDS**

- 2018 The Sachs Program for Arts Innovation Program Grant, Penn Nursing
- 2017 Penn CAREs Foundation Grant, Start Talking Science
- 2016 Penn CAREs Foundation Grant, Start Talking Science
- 2015 Penn CAREs Foundation Grant, Start Talking Science
- 2013 CBS 3 Helping Hands Contest, Sink or Swim Philadelphia
- 2013 Women's Dining Circle Grant, Sink or Swim Philadelphia

- 2013 Kohl's Community Grant, Sink or Swim Philadelphia
- 2012 Great Non-profits Award, Sink or Swim Philadelphia
- 2012 Rodeph Shalom Tzedekah Micro-grant, Sink or Swim Philadelphia
- 2012 Google Grant, Sink or Swim Philadelphia
- 2012 Penn CAREs Foundation Grant, Sink or Swim Philadelphia
- 2011 Philadelphia STAKE Grant, Sink or Swim Philadelphia

## **PUBLICATIONS**

### **Journal Articles:**

- 2018 Leary M, Almodovar A, Buckler DG, Bhardwaj A, Blewer AL, Abella BS. Using an immersive virtual reality system to assess lay provider response to an unannounced simulated sudden cardiac arrest in the out-of-hospital setting. *Simulation in Healthcare*. 2018 July. Accepted. In Press.
- 2018 Cheng A, Nadkarni VM, Mancini MB, Hunt EA, Sinz EH, Merchant RM, Donoghue A, Duff JP, Eppich W, Auerbach M, Bigham BL, Blewer AL, Chan PS, Bhanji F; American Heart Association Education Science Investigators; and on behalf of the American Heart Association Education Science and Programs Committee, Council on Cardiopulmonary, Critical Care, Perioperative and Resuscitation; Council on Cardiovascular and Stroke Nursing; and Council on Quality of Care and Outcomes Research. Resuscitation Education Science: Educational Strategies to Improve Outcomes From Cardiac Arrest: A Scientific Statement From the American Heart Association. *Circulation*. 2018 Jun 21.
- 2018 Owen DD, McGovern SK, Murray A, Leary M, Del Rios M, Merchant RM, Abella BS, Dutwin D, Blewer AL. Association of race and socioeconomic status with automatic external defibrillator training prevalence in the United States. *Resuscitation*. 2018 Apr 6.
- 2018 McGovern SK, Blewer AL, Murray A, Leary M, Abella BS, Merchant RM. Characterizing barriers to CPR training attainment using Twitter. *Resuscitation*. 2018 Mar 12. pii: S0300-9572(18)30118-7.
- 2018 Leary M, McGovern SK, Dainty KN, Doshi AA, Blewer AL, Kurz MC, Rittenberger JC, Hazinski MF, Reynolds JC. Examining the use of a social media campaign to increase engagement for the American Heart Association 2017 Resuscitation Science Symposium. *JAHA*. Accepted. March 2018.
- 2018 Karwat A, Leary M. Virtual Reality and the Redesign of Sudden Cardiac Arrest Training to Increase Lay Bystander Training and Response. *Social Innovation Journal*. Jan 2018.
- 2018 Leary M, McGovern S, Dainty K, Doshi A, Blewer AL, Kurz MC, Reynolds CJ, Rittenberger JC, Hazinski MF. The Latest in Resuscitation Science: Highlights from the American Heart Association's 2017 Resuscitation Science Symposium. *JAHA*. 2018 Jan 22;7(2).
- 2018 Roberts BW, Kilgannon JH, Hunter BR, Puskarich MA, Pierce L, Donnino M, Leary M, Kline JA, Jones AE, Shapiro NI, Abella BS, Trzeciak S. Association between early hyperoxia exposure after resuscitation from cardiac arrest and neurological disability: A prospective multi-center protocol-directed cohort study. *Circulation*. 2018 Feb 1.
- 2017 Blewer AL, Ibrahim S, Leary M, Dutwin D, McNally B, Anderson ML, Morrison LJ, Aufderheide TP, Daya MR, Idris A, Callaway CW, Kudenchuk PJ, Vilke GM, Abella BS. Cardiopulmonary resuscitation training disparities in the United States. *JAHA*. 2017 May 17;6(5)
- 2017 Gaieski DF, Agarwal AK, Abella BS, Neumar RW, Mechem C, Cater SW, Shofer FS, Leary M, Pajeroski WP, Becker LB, Carr B, Merchant R, Band RA. Out of hospital cardiac arrest in Philadelphia from 2008-2012: An Epidemiological Study. *Resuscitation*. 2017 Mar 23.



- 2016 Bhardwaj A, Ikeda DJ, Grosesstreuer AV, Sheak KR, Delfin G, Layden T, Abella BS, Leary M. Factors associated with re-arrest following initial resuscitation from cardiac arrest. *Resuscitation*. 2017 Feb;111:90-95.
- 2016 Leary M, Buckler DG, Ikeda DJ, Saraiva DA, Berg RA, Nadkarni VM, Blewer AL, Abella BS. The Association of CPR Quality with Layperson Characteristics During Simulated CPR Performance. *WJEM. World J Emerg Med*. 2017;8(1):12-18.
- 2016 Blewer AL, Putt ME, Becker LB, Riegel BJ, Li J, Leary M, Shea JA, Kirkpatrick JN, Berg RA, Nadkarni VM, Groeneveld PW, Abella BS. Video-only cardiopulmonary resuscitation education for high-risk families before hospital discharge: A multicenter pragmatic trial. *Circ Cardiovasc Qual Outcomes*. Nov 2016.
- 2016 Grossestreuer AV, Sheak K, Leary M, Abella BS, Gaieski DF, Wiebe D. Inter-rater reliability of post-arrest cerebral performance category (CPC) scores. *Resuscitation*. 2016 September. Accepted.
- 2016 Agarwal AK, Gaieski DF, Perman SM, Leary M, Delfin G, Abella BS, Carr BG. Telemedicine Resuscitation and Arrest Trial (TREAT): A feasibility study of real-time provider-to-provider telemedicine for the care of critically ill patients. *Heliyon*. 2016 Apr 20;2(4):e00099.
- 2016 Leary M, Neeffe S, Tsypenyuk B, Faulk SA, Schweikert W, Holena DN. Improving Providers' Role Definitions to Decrease Overcrowding and Improve In-Hospital Cardiac Arrest Response. *Am J Crit Care*. 2016 Jul;25(4):335-9.
- 2016 Rumsfeld JS, Brooks SC, Aufderheide TP, Leary M, Bradley SM, Nkonde-Price C, Schwamm LH, Jessup M, Ferrer JME, Merchant RM. Use of Mobile Devices, Social Media, and Crowdsourcing as Digital Strategies to Improve Emergency Cardiovascular Care A Scientific Statement From the American Heart Association. *Circulation*. 2016 June 22.
- 2016 Cartledge S, Bray J, Leary M, Dion S, Finn J. A systematic review of basic life support training targeted to family members of high-risk cardiac patients. *Resuscitation*. 2016 May 18;105:70-78.
- 2016 Blewer AL, Li J, Ikeda DJ, Leary M, Buckler DG, Riegel B, Desai S, Groeneveld PW, Putt ME, Abella BS. Recruitment for a hospital-based pragmatic clinical trial using volunteer nurses and students. *Clin Trials*. 2016 Apr 19.
- 2016 Ikeda DJ, Buckler DG, Li J, Agarwal AK, Di Taranti LJ, Kurtz J, dos Reis R, Leary M, Abella BS, Blewer AL. Dissemination of CPR video self-instruction materials to secondary trainees: results from a hospital-based CPR education trial. *Resuscitation*. 2016 Jan 14.
- 2015 Blewer AL, Buckler DG, Li J, Leary M, Becker LB, Shea JA, Groeneveld PW, Putt ME, Abella BS. Impact of the 2010 resuscitation guidelines training on layperson chest compressions. *World J Emerg Med*. 2015;6(4):270-6.
- 2015 Leary M, Blewer AL, Delfin G, Abella BS. Variability in Post-Arrest Targeted Temperature Management Practice: Implications of the 2015 Guidelines. *THTM*. 2015. Accepted.
- 2015 Callaway CW, Donnino MW, Fink EL, Geocadin RG, Eyal Golan E, Kern KB, Leary M, Meurer WJ, Peberdy MA, Thompson TM, Zimmerman JL. Part 8: Post-Cardiac Arrest Care: 2015 American Heart Association Guidelines Update for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. *Circulation*. 2015;132:S465-S482.

- 2015 Bhanji F, Finn JC, Lockey A, Monsieurs K, Frengley R, Iwami T, Lang E, Ma MH, Mancini ME, McNeil MA, Greif R, Billi JE, Nadkarni VM, Bigham B; Education, Implementation, and Teams Chapter Collaborators. Part 8: Education, Implementation, and Teams: 2015 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science With Treatment Recommendations. *Circulation*. 2015 Oct 20;132(16 Suppl 1):S242-68.
- 2015 Ramjee V, Grossestreuer A, Yao Y, Perman SM, Leary M, Kirkpatrick JN, Forfia PR, Kolansky DN, Abella BS, Gaieski DF. Right ventricular dysfunction after resuscitation predicts poor outcomes in cardiac arrest patients independent of left ventricular function. *Resuscitation*. Accepted. August 2015.
- 2015 Gonzalez M, Leary M, Blewer AL, Cinousis M, Sheak K, Ward, M, Raina M Merchant, Becker L, Abella BS. Public knowledge of automatic external defibrillators in a large U.S. urban community. *Resuscitation*. 2015 Jul;92:101-6.
- 2015 Sheak K, Wiebe DJ, Leary M, Babaeizadeh S, Yuen, TC, Zive D, Owens PC, Edelson DP, Daya MR, Idrise AH, Abella BS Quantitative relationship between end-tidal carbon dioxide and CPR quality during both in-hospital and out-of-hospital cardiac arrest. *Resuscitation*. 2015 Apr;89:149-54.
- 2015 Leary M. A multimodal approach to improving survival from in-hospital cardiac arrest. *Nursing Critical Care*. January 2015. 10(1):34-40.
- 2014 Perman SM, Ellenberg JH, Grossestreuer AV, Gaieski DF, Leary M, Abella BS, Carr BG. Shorter time to target temperature is associated with poor neurologic outcome in post-arrest patients treated with targeted temperature management. *Resuscitation*. 2015 Mar;88:114-9.
- 2014 Hsu CH, Li J, Cinousis MJ, Sheak KR, Gaieski DF, Abella BS, Leary M. Cerebral performance category at hospital discharge predicts long-term survival of cardiac arrest survivors receiving targeted temperature management. *Crit Care Med*. 2014 Dec;42(12):2575-81.
- 2014 Iannacone S, Leary M, Esposito EC, Ruparel K, Savitt A, Mott A, Richard J, Ruben GC, Abella BS. Feasibility of cognitive functional assessment in cardiac arrest survivors using an abbreviated laptop-based neurocognitive battery. *Ther Hypothermia Temp Manag*. 2014 Jul 10. [Epub ahead of print]
- 2013 Leary M, Cinousis M, Mikkelsen ME, Gaieski DF, Abella BS, Fuchs BD. The Association of Body Mass Index with time to target temperature and outcomes following post-arrest targeted temperature management. *Resuscitation*. 2014 Feb;85(2):244-7.
- 2013 Beylin M, Grossestreuer A, Perman S, Leary M, Shofer F, Abella BS, Gaieski GF. Higher mean arterial pressure with or without vasoactive agents is associated with increased survival and better neurological outcomes in comatose survivors of cardiac arrest. *Intensive Care Med*. 2013 Nov;39(11):1981-8.
- 2013 Grossestreuer A, Perman S, Leary M, Beylin S, Fuchs B, Kolansky D, Abella BS, Gaieski GF. Time to Awakening and Neurologic Outcome in Therapeutic Hypothermia-Treated Cardiac Arrest Patients. *Resuscitation*. 2013 Dec;84(12):1741-6.
- 2013 Meaney PA, Bobrow BJ, Mancini ME, Christenson J, de Caen AR, Bhanji F, Abella BS, Kleinman ME, Edelson DP, Berg RA, Aufderheide TP, Menon V, Leary M. CPR Quality:

- Improving Cardiac Arrest Both Inside and Outside the Hospital. A Consensus Statement from the American Heart Association. *Circulation*. 2013 Jul 23;128(4):417-35.
- 2013 Delfin G, Leary M, Perman SM, O'Rourke, DM, Levine JM, Abella BS. Post-arrest Targeted Temperature Management Immediately Following Craniotomy - a Case Report. *Ther Hypothermia Temp Manag*. 2013 Sep;3(3):143-6.
- 2013 Wallace SK, Shofer FS, Leary M, Agarwal A, Mechem C, Gaieski DF, Becker LB, Neumar RW, Abella BS, Band R. Effect of Time of Day on Prehospital Care and Outcomes after Out-of-Hospital Cardiac Arrest. *Circulation*. 2013 Apr 16;127(15):1591-6.
- 2013 Starodub R, Gaieski DF, Grossestreuer A, Leary M, Abella BS. Association of Lactate and Survival Outcomes in Patients Undergoing Therapeutic Hypothermia after Cardiac Arrest. *Resuscitation*. 2013 Aug;84(8):1078-82.
- 2013 Blewer AL, Delfin G, Leary M, Gaieski DF, Abella BS. A structured educational intervention to improve targeted temperature management utilization following cardiac arrest, *J Crit Care*. 2013 Jun;28(3):259-64.
- 2013 Leary M, Grossestreuer AV, Iannacone S, Gonzalez M, Shofer FS, Povey C, Wendell G, Archer SE, Gaieski DF, Abella BS. Pyrexia and neurologic outcomes after therapeutic hypothermia for cardiac arrest. *Resuscitation*. 2013 Aug;84(8):1056-61.
- 2012 Gonzalez MR, Leary M, Gaieski DF, Kolansky DM, Chang G, Abella BS. Initial clinical predictors of significant coronary lesions after resuscitation from cardiac arrest, *Ther Hypothermia Temp Manag*. 2012 Jun;2(2):73-7.
- 2012 Gaieski DF, Neumar RW, Fuchs B, Abella BS, Kolansky D, Delfin G, Leary M, Goyal M. Haemodynamic Management Strategies are not Explicitly Defined in the Majority of Therapeutic Hypothermia Implementation Studies, *Resuscitation*. 2012 Jul;83(7):835-9.
- 2012 Hirsch LM, Wallace SK, Leary M, Tucker KD, Becker LB, Abella BS. Automated External Defibrillator Availability and CPR Training among State Police Agencies in the United States, *Ann Emerg Med*. 2012 Jul;60(1):57-62.
- 2012 Perman S, Becker LB, Gaieski DF, Abella BS, Fuchs B, Levine J, Kirkpatrick J, Leary M, Lau B, Merchant R. Timing of neuroprognostication in post-cardiac arrest therapeutic hypothermia, *Crit Care Med*. 2012 Vol. 40, No.3.
- 2012 Blewer AL, Leary M, Esposito EC, Riegel BJ, Bobrow BJ, Abella BS. Continuous Chest Compression CPR Training Promotes Rescuer Self-Confidence and Increased Secondary Training: A Hospital-Based Randomized Controlled Trial, *Crit Care Med*. 2012 Mar;40(3):787-92
- 2011 Blewer AL, Leary M, Decker CS, Anderson JC, Fredericks AC, Bobrow BJ, Abella BS. Cardiopulmonary resuscitation training of family members before hospital discharge using video-self instruction: a feasibility trial. *J Hosp Med*. 2011 Sep;6(7):428-32.
- 2011 Fried DA, Leary M, Smith DA, Sutton RM, Niles D, Herzberg DL, Becker LB, Abella BS. The prevalence of chest compression leaning during in-hospital cardiopulmonary resuscitation. *Resuscitation*. 2011 Aug;82(8):1019-24.

- 2010 Morrison LJ, Deakin CD, Morley PT, Callaway CW, Kerber RE, Kronick SL, Lavonas EJ, Link MS, Neumar RW, Otto CW, Parr M, Shuster M, Sunde K, Peberdy MA, Tang W, Hoek TL, Böttiger BW, Drajer S, Lim SH, Nolan JP; Advanced Life Support Chapter Collaborators (Leary M). Part 8: advanced life support: 2010 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science With Treatment Recommendations. *Circulation*. 2010 Oct 19;122(16 Suppl 2):S345-421.
- 2010 Leary M, Fried DA, Gaieski DF, Merchant RM, Fuchs BD, Kolansky DM, Edelson DP, Abella BS. Neurologic prognostication and bispectral index monitoring after resuscitation from cardiac arrest. *Resuscitation*. 2010 Sep;81(9):1133-7.
- 2010 Merchant RM, Abella BS, Abotsi EJ, Smith TM, Long JA, Trudeau ME, Leary M, Groeneveld PW, Becker LB, Asch DA. Cell Telephone Cardiopulmonary Resuscitation: Audio Instructions When Needed by Lay Rescuers: A Randomized, Controlled Trial. *Ann Emerg Med*. 2010 Jun;55(6):538-543.e1.
- 2009 Sugerman NT, Edelson DP, Leary M, Weidman EK, Herzberg DL, Vanden Hoek TL, Becker LB, Abella BS. Rescuer fatigue during actual in-hospital cardiopulmonary resuscitation with audiovisual feedback: a prospective multicenter study. *Resuscitation*. 2009 Sep;80(9):981-4
- 2008 Dine CJ, Gersh RE, Leary M, Riegel BJ, Bellini LM, Abella BS. Improving CPR Quality and Resuscitation Training by Combining Audiovisual Feedback and Debriefing. *Crit Care Med*. 2008 Oct;36(10):2817-22.

#### **Editorials/Reviews:**

- 2014 Leary M, Abella BS. Defibrillation does not occur in isolation: the importance of peri-shock CPR. *Resuscitation*. 2014 Mar;85(3):313-4.
- 2012 Leary M. The case for high-quality CPR. *American Heart Association Cardiovascular Nursing Council Connections Newsletter*. April 2012.
- 2011 Leary M, Vanek F, Abella BS. Pre-hospital use of therapeutic hypothermia after resuscitation from cardiac arrest. *Ther Hypothermia Temp Manag*. 2011;1(2):69-75.
- 2008 Leary M, Abella BS. The Challenge of CPR Quality: Improvement in the Real World. *Resuscitation*. 2008 Apr;77(1):1-3.

#### **Monographs:**

- 2010 Bobrow BJ, Leary M, Heightman AJ. Quality Makes the Difference: Closing the knowledge-practice gap. CPR Performance Counts, Quality Improves Survival. Monograph for ACEP News, Fire Rescue, Journal of Emergency Medical Services and the Journal of Emergency Nursing. December, 2010.
- 2010 Bobrow BJ, Leary M, Walsh D, Battaglia NJ, OConnor RE, Edelson DP, Abella BS. The Experts Weigh In; A CPR quality improvement roundtable. Monograph for ACEP News, Journal of Emergency Medical Services, Fire Rescue, and the Journal of Emergency Nursing. December, 2010.

#### **ORAL RESEARCH PRESENTATIONS**

- 2018 Alexander T, McGovern S, Leary M, Nadkarni V, Abella BS, Blewer A. Implications of legislative efforts on layperson CPR education. American Heart Association, ReSS, Chicago, IL, November 2018.

- 2018 Villarruel A, Richmond TS, Leary M. Building the Culture and Capacity for Innovation in Nursing Educational Settings: Identifying Drivers for Success. SSTI 29<sup>th</sup> International Nursing Research Conference. Melbourne, Australia, July, 2018. Accepted.
- 2017 Leary M, Almodovar A. Using Virtual Reality to Observe Bystander Response to Cardiac Arrest. Emergency Cardiovascular Care Update, New Orleans, LA, December, 2017.
- 2016 Leary M. Innovative solutions to improving outcomes from cardiac arrest. Health and Safety Institute, Phoenix, AZ. October 2016.
- 2016 Blewer AL, Putt ME, Ross ME, Wiebe DJ, Leary M, Dutwin D, Ibrahim SA, McNally B, Anderson ML, Morrison LJ, Abella BS. Association of age and socioeconomic status with cardiopulmonary resuscitation training in the United States. Resuscitation in Motion, Toronto, CA, May, 2016.
- 2015 Blewer A, Putt ME, Becker LB, Riegel BJ, Li J, Leary M, Shea JA, Kirkpatrick JN, Berg RA, Nadkarni VM, Groeneveld PW, Abella BS. Video-only cardiopulmonary resuscitation education for families before hospital discharge: a multicenter pragmatic clinical trial. American Heart Association, ReSS, Orlando, FL, November 2015.
- 2015 Leary M, Holena DN, Neefe S, Davis L, Tsypenyuk B, Faulk SA, Schweickert W. An Innovative Approach to Improving Cardiac Arrest Response: A Quality Improvement Project. Emergency Cardiovascular Care Updates, San Diego, CA, December 2015.
- 2015 Leary M, Dine CJ, Frasso RM. Examining the integration of social media on crowd funding to increase access to medical care for Uninsured and Underinsured. College of Physicians' Section on Public Health's Public Health Day Symposium, Philadelphia, PA, April 2015.
- 2015 Komindr A, Grossestreuer A, Delfin G, Sheak K, Cinousis M, Leary M, Abella BS. Clinical Factors Associated with Infectious Complications Following Resuscitation from Out-of-hospital and Emergency Department Cardiac Arrest. SAEM, San Diego, CA, March 2015.
- 2014 Sheak KS, Wiebe DJ, Babaeizadeh S, Yuen TC, Edelson DP, Abella BS, Leary M. Increasing compression rate and depth positively correlates with end-tidal carbon dioxide during actual CPR performance. American Heart Association, ReSS, Chicago, IL, November 2014.
- 2014 Buckler D, Blewer A, Delfin G, Hoyt-Brennan AM, Gaieski D, Abella BS, Leary M. High-fidelity Simulations Supporting Targeted Temperature Management Use Following Cardiac Arrest. Philadelphia Simulation Consortium, Philadelphia, Pa, May 2014.
- 2013 Gaieski DF, Grossestreuer AV, Perman SM, Leary M, Napoli AM, Alpert W, Neumar RW, Becker LB, Abella BS. Initial Base Deficit and Arterial Carbon Dioxide Level Associated with Survival in Post-Arrest Patients. SAEM, Atlanta, Ga, May 2013.
- 2013 Gaieski DF, Grossestreuer AV, Perman SM, Neumar RW, Leary M, Napoli AM, Alpert W, Becker LB, Abella BS. Initial Hyperoxia is Associated with Survival in Post-Arrest Patients Enrolled in the PATH Database. SAEM, Atlanta, Ga, May 2013.
- 2013 Perman S, Gaieski DF, Grossestreuer A, Leary M, Ellenberg K, Carr B, Abella BS. Time to Target Temperature and Neurologic Outcome in Survivors of Cardiac Arrest. Accepted. Society for Academic Emergency Medicine, Atlanta, GA, March 2013.

- 2013 Perman S, Grossestreuer A, Leary M, Gaieski DF, Abella BS Association Between Blood Pressure Measurements, Vasopressor Use, And Outcome In Post-cardiac Arrest Patients Treated With Therapeutic Hypothermia From Four Sites. Accepted. Society for Academic Emergency Medicine, Atlanta, GA, March 2013.
- 2012 Grossestreuer A, Perman S, Napoli A, Abella BS, Becker LB, Leary M.; Gaieski DF. Association between serum lactate levels, lactate clearance, and survival to discharge in post-cardiac arrest patients. Proceedings of the European Resuscitation Council Congress. Vienna. October 2012.
- 2012 Gaieski DF, Grossestreuer A, Leary M, Becker LB, Abella BS. Initial lactate level not associated with mortality in post-arrest patients treated with therapeutic hypothermia. Society for Academic Emergency Medicine, Chicago, Illinois. May 2012.
- 2012 Wallace SK, Abella BS, Shofer FS, Leary M, Neumar RW, Mechem CC, Gaieski DF, Becker LB, Band RA. Effect of time of day on prehospital care during OHCA. Society for Academic Emergency Medicine, Chicago, Illinois. May 2012.
- 2012 Wallace SK, Abella BS, Shofer FS, Leary M, Neumar RW, Mechem CC, Gaieski DF, Becker LB, Band RA. Variability by hospital in OHCA 30-day survival. Society for Academic Emergency Medicine, Chicago, Illinois. May 2012.
- 2012 Perman SM, Leary M, Gonzalez M, Niles DE, Abella BS. Rolling Refreshers: The Feasibility of Bedside Training to Reinforce CPR Psychomotor Performance. Society for Academic Emergency Medicine, Chicago, Illinois. May 2012.
- 2012 Leary M, Delfin G, Abella BS. Therapeutic Hypothermia After Cardiac Arrest. New Jersey Emergency Nurses Association, Atlantic City, New Jersey, March 2012.
- 2011 Leary M, Grossestreuer AV, Esposito EC, Wendel GD, Gaieski DF, Abella BS. Adverse Effects And Incidence Of Post-rewarming Pyrexia In Patients Treated With Therapeutic Hypothermia After Cardiac Arrest. American Heart Association Scientific Sessions, Orlando, Florida, November 2011.
- 2011 Grossestreuer AV, Leary M, Abella BS, Gaieski DF. Relation Between Time to Arousal and Neurologic Outcomes in Cardiac Arrest Patients Treated with Therapeutic Hypothermia. American Heart Association Scientific Sessions, Orlando Florida, November 2011.
- 2011 Gaieski DF, Grossestreuer A, Leary, M, Becker LB, Abella BS. Lactate Clearance is Associated with Survival in Post-Cardiac Arrest Syndrome Patients Treated with Bundled Post-Arrest Care Including Therapeutic Hypothermia. 4th International Hypothermia Symposium. Tokyo, September 2011.
- 2010 Blewer A, Leary M, Decker CS, Anderson JC, Fredericks AC, Bobrow BJ, Abella BS. Hands-only CPR video self-instruction promotes self-confidence and secondary training: a hospital-based randomized trial. American Heart Association Scientific Sessions, Chicago Illinois, November 2010.
- 2010 Bingham B, Leary M. In adult cardiac arrest (prehospital [OHCA], in-hospital [IHCA]) (P), does the use of physiological feedback regarding CPR quality (e.g. End-tidal CO2 monitoring) (I) compared with no feedback (C), improve any outcomes (e.g. ROSC, survival) (O)? ILCOR, Dallas, Texas, February 2010.

- 2009 Abella B, Leary M, Herzberg DL, Fried DA, Becker LB, Thom SR. Neutrophil Activation and Platelet Interaction after Cardiac Arrest Resuscitation. American Heart Association Scientific Sessions, Orlando, Florida, November 2009.
- 2009 Herzberg DL, Leary M, Fried DA, Iocca J, Huber F, Peregrim C, Becker LB, Gaiieski DF, Edelson DP, Abella BS. CPR Quality and the Effect of Audiovisual Feedback in a U.S. Emergency Department. American Heart Association Scientific Sessions, Orlando, Florida, November 2009.
- 2009 Delfin G, Heine C, Maguire, C, McClelland R, Leary M, Schmidt L. Post Cardiac Arrest Therapeutic Hypothermia. Nursing Grand Rounds, Hospital of the University of Pennsylvania, Philadelphia, Pa March 2009.
- 2009 Leary M, Bigham, B. In adult cardiac arrest (prehospital [OHCA], in-hospital [IHCA]) (P), does the use of physiological feedback regarding CPR quality (e.g. End-tidal CO2 monitoring) (I) compared with no feedback (C), improve any outcomes (e.g. ROSC, survival) (O)? ILCOR 2010, Osaka, Japan, Webinar, March 2009.
- 2008 Sugerman NT, Weidman E, Edelson D, Leary M, Vanden Hoek T, Becker LB, Abella BS. Multicenter characterization of rescuer fatigue during actual in-hospital CPR. ReSS, New Orleans, LA, November 2008.
- 2008 Merchant R, Leary M, Abotsi E, Abella BS. Survey of Sudden Cardiac Arrest Survivors. Sudden Cardiac Arrest Association One Day Seminar, Philadelphia, Pa, October 2008.
- 2008 Edelson DP, Leary M, Abella BS. New Opportunities to Improve Care During Cardiac Arrest. National Teaching Institute & Critical Care Exposition (NTI), Chicago, Il, May 2008.

### **INVITED SPEAKER**

- 2018 Key Note Lecture, Resuscitation Outcomes Consortium Canada, Annual Meeting, Toronto, Canada, May 2018
- 2018 Key Note Lecture, Resuscitation In Motion, Toronto, Canada, May 2018
- 2018 Speaker, Philadelphia Science Festival, For the Love of Science Story Slam, May 2018
- 2018 Speaker, AARP Campaign For Action, Nursing-innovation Webinar, April 2018
- 2017 Monologist, Philadelphia Improv Theater (Long Story Short), Philadelphia, Pa, December 2017
- 2017 Nerd Night, Philadelphia, Pa, December 2017
- 2017 Lunch for Hungry Minds, Science Center, Philadelphia, Pa, November 2017
- 2017 Research and Innovation Colloquium, Using Innovation to Improve Emergency Cardiovascular Care, University of Pennsylvania School of Nursing, Philadelphia, Pa, November 2017
- 2017 Public Health Activism, College of Physicians, Philadelphia, Pa, April 2017
- 2017 General Sessions Lecture, Innovation and Resuscitation, Emergency Cardiovascular Care Update Conference, New Orleans, LA, December 2017
- 2017 Digi Girls, Women in STEM fields, Microsoft, King of Prussia, Pa, April 2017
- 2017 March for Science PHL, Science Communication, Philadelphia, Pa, April 2017
- 2017 Nurse Hackathon, Innovation & Entrepreneurship, Boston, Ma, March 2017
- 2017 Key Note Lecture, Innovation and Resuscitation, Children's Hospital of Philadelphia, Philadelphia, Pa, March 2017
- 2017 Guest Speaker, Use of Mobile Devices, Social Media, and Crowd-sourcing as Digital Strategies to Improve Emergency Cardiovascular Care, American Heart Association Education Sessions. National, 2017
- 2016 Key Note Lecture, The Science Behind Saving a Life, Health and Safety Institute, Phoenix, AZ,

- October, 2016  
 2010 Guest Speaker, CPR Anytime Kick-off Event, School District of Philadelphia. Philadelphia, Pa, September 2010

### **POSTER PRESENTATIONS**

- 2018 Leary M, Almodovar A, Buckler D, Patel J, Chaundhary ZA, Karwat A, Abella BS, Blewer AB. Comparing bystander response to an unannounced cardiac arrest based on victim gender using an immersive virtual reality system. American Heart Association, ReSS, Chicago, IL, November 2018.
- 2018 Leary M, Almodovar A, Patel J, Chaundhary ZA, Blewer AB, Abella BS. Comparing a virtual reality mobile app CPR training versus a standard mobile app CPR training. American Heart Association, ReSS, Chicago, IL, November 2018.
- 2018 Buckler DG, Almodovar A, Snobelen P, Blewer AL, Leary M. Stages of Bystander Intervention to Sudden Cardiac Arrest in a Virtual Reality Environment. American Heart Association, ReSS, Chicago, IL, November 2018.
- 2018 Alexander TD, McGovern Sk, Leary M, Nadkarni V, Abella BS, Blewer AL. Implications of Legislative Efforts on Layperson CPR Education. American Heart Association, ReSS, Chicago, IL, November 2018.
- 2018 Abdulhay NM, Konstantinos T, Buckler DG, Hewitt N, Leary M, Abella BS. Socioeconomic Disparities in Layperson CPR Training Within a Large U.S. City. American Heart Association, ReSS, Chicago, IL, November 2018.
- 2018 McGovern SK, Murray A, Abella BS, Leary M, Blewer AL. Racial Disparities In Cardiopulmonary Training Status in the United States. American Heart Association, ReSS, Chicago, IL, November 2018.
- 2018 Murray A, McGovern SK, Leary M, Abella BS, Blewer AL. Secondary CPR Training via Mobile Application Compared to Video Self Instruction Kit. American Heart Association, ReSS, Chicago, IL, November 2018.
- 2018 Buckler DG, Almodovar A, Snobelen P, Blewer AL, Leary M. Stages of bystander intervention to sudden cardiac arrest in a virtual environment. American Heart Association, ReSS, Chicago, IL, November 2018.
- 2018 Abdulhay N, Totolos, K, Buckler DG, Hewitt N, Leary M, Abella BS. Socioeconomic disparities in layperson CPR training within a large US city. ReSS, Chicago, IL, November 2018.
- 2017 Bhardwaj A, Blewer AL, Mutter E, Abella BS, Leary M. Quantitative relationship of End-Tidal Carbon Dioxide with ventilation characteristics during CPR. American Heart Association, ReSS, Anaheim CA, November 2017.
- 2017 Almodovar A, Buckler DG, Abella BS, Blewer AL, Leary M. Examining lay provider response to an unannounced simulated sudden cardiac arrest using an immersive virtual reality system. American Heart Association, ReSS, Anaheim CA, November 2017.
- 2017 Leary M, Almodovar A, Buckler DG, Blewer AL, Abella BS. Using immersive virtual reality to observe differences in lay provider response to an unannounced simulated sudden cardiac arrest



- based on demographics. American Heart Association, ReSS, Anaheim CA, November 2017.
- 2017 Automated external defibrillator awareness in the US Latino population. McGovern SK, Owen DD, Murray A, Leary M, Del Rios M, Abella BS, Blewer AL. American Heart Association, ReSS, Anaheim CA, November 2017.
- 2016 Wernovsky ML, Bhardwaj A, Blewer AL, Grossestreuer A, Abella BS, Leary M. Variation Between Intended and Actual Delivery of Ventilatory Parameters During CPR. American Heart Association, ReSS, New Orleans, LA, November 2016.
- 2016 McGovern SK, Blewer AL, Murray A, Leary M, Abella BS, Merchant RM. Characterizing the lay public's perception of cardiopulmonary resuscitation education through Twitter. American Heart Association, ReSS, New Orleans, LA, November 2016.
- 2016 Cartledge S, Bray J, Leary M, Stub D, Finn J. A systematic review of basic life support training targeted to family members of high-risk cardiac patients. Australian Cardiovascular Health and Rehabilitation Council Conference, August 2016. Accepted.
- 2016 Blewer AL, McGovern SK, Li J, Leary M, Abella BS, Holmes JH. The association between current cardiopulmonary resuscitation (CPR) training status and preventive health behaviors. Epidemiology Congress of the Americas, Miami, FL, June 2016.
- 2016 Cartledge S, Bray J, Leary M, Stub D, Finn J. A systematic review of basic life support training targeted to family members of high-risk cardiac patients. New Zealand Resuscitation Council, Auckland, NZ, April 2016.
- 2015 Leary M, Delfin G, Grossestreuer AV, Benley BJ, Santos J, Buckler D, Abella BS, Blewer A. Variability in Post-Arrest Targeted Temperature Management practice in the US: 33 vs 36°C. American Heart Association, ReSS, Orlando, FL, November 2015.
- 2015 Buckler D, Li KC, Heisler E, Kupas D, Leary M, Abella BS, Becker LB. Mechanical CPR associated with Decreased Survival from Out-of-Hospital Cardiac Arrest. American Heart Association, ReSS, Orlando, FL, November 2015.
- 2015 Sheak K, Hatchman L, Dunstan J, Lynch H, Huerta C, Leary M, Abella BS. Reducing Educational Barriers To Address CPR Training Disparities in a Large US Urban Community. American Heart Association, ReSS, Orlando, FL, November 2015.
- 2015 Blewer A, Leary M, Ikeda D, Becker LB, Abella BS. The Majority Of Laypersons Trained In CPR Do Not Maintain Current Certification Or Training. American Heart Association, ReSS, Orlando, FL, November 2015.
- 2015 Cartledge S, Bray J, Leary M, Stub D, Finn J. A systematic review of basic life support training targeting family members of high-risk patients. European Resuscitation Council, Prague, Czech Republic. October 2015.
- 2015 Grossestreuer AV, Wiebe D, Sheak K, Leary M, Abella BS, Gaijeski DF. Inter-Rater Reliability of Post-Arrest Cerebral Performance Category (CPC) Scores. European Resuscitation Council, Prague, Czech Republic. October 2015.

- 2015 Sheak KS, Wiebe DJ, Babaeizadeh S, Yuen TC, Edelson DP, Abella BS, Leary M. Increasing compression rate and depth positively correlates with end-tidal carbon dioxide during actual CPR performance. Start Talking Science, Philadelphia, Pa. September 2015.
- 2015 Sheak K, Hatchman L, Dunstan J, Ikeda DJ, Abella BS, Leary M. The Mobile CPR Project: An Innovative Approach to Overcoming Barriers to CPR Education. College of Physicians' Public Health's Public Health Day Symposium, Philadelphia, Pa, May 2015. Accepted.
- 2014 Leary M, Holena DN, Neeffe S, Davis L, Tsypenyuk B, Falk SA, Schweickert W. A bundled approach to improving code team response for in-hospital cardiac arrest to decrease overcrowding and improve role clarity and leadership. American Heart Association Scientific Sessions, Chicago, IL, November 2014. Accepted.
- 2014 Leary M, Buckler DG, Agarwal Ak, Abella BS, Blewer AL. The association of gender and age with the quality of layperson CPR performance. American Heart Association ReSS, Chicago, IL, November 2014. Accepted.
- 2014 Sheak KS, Delfin G, Grossestreuer AV, Cinousis M, Karamooz MT, Levine D, Leary M, Abella BS. A characterization of patients experiencing primary and repeat cardiac arrest with and without TTM. American Heart Association ReSS, Chicago, IL, November 2014. Accepted.
- 2014 Blewer AL, Buckler DG, Li J, Leary M, Becker LB, Groenveld PW, Putt M, Nadkarni VM, Abella BS. Intermittently encouraging laypersons to practice CPR does not improve CPR quality, while actual practice does improve CPR quality, 6 months post-training. American Heart Association ReSS, Chicago, IL, November 2014. Accepted.
- 2014 Blewer AL, Agarwal Ak, Ikeda DJ, Buckler DG, Di Taranti LJ, Kurtz J, Leary M, Abella BS. Identification of layperson CPR trainees who subsequently perform CPR training of family members using video self-instructional kits. American Heart Association ReSS, Chicago, IL, November 2014. Accepted.
- 2014 Grossestreuer AV, Perman SM, Abella BS, Wiebe DJ, Leary M, Fuchs BD, Gaiieski DF. Differences in utilization of post-arrest care based on initial rhythm. American Heart Association ReSS, Chicago, IL, November 2014. Accepted.
- 2014 Li KC, Griff JE, Heiseler EK, Grossestreuer AV, Leary M, Abella BS, Becker LB. Association of bystander CPR rates with county-level median household income in Pennsylvania. American Heart Association ReSS, Chicago, IL, November 2014. Accepted.
- 2014 Leary M, Dine CJ, Frasso RM. Integration of social media on crowdfunding to increase access to medical care. Cultures of Health Seminar. University of Pennsylvania, Philadelphia, Pa, September 2014. Accepted.
- 2014 Starodub R, Abella BS, Leary M, Riegel B. Identifying current patterns in the US hospitals' therapeutic hypothermia protocols. NTI, Denver, CO. May 2014.
- 2013 Leary M, Cinousis MJ, Sheak K, Li J, Abella BS. The Association Of Body Mass Index With End-tidal Carbon Dioxide And Return Of Spontaneous Circulation Following Cardiac Arrest. American Heart Association ReSS, Dallas, Tx, November 2013.

- 2013 Hsu CH, Li J, Cinousis MJ, Sobol J, Abella BS, Leary M. Cerebral performance category score at hospital discharge predicts long-term survival of cardiac arrest patients who received targeted temperature management. American Heart Association ReSS, Dallas, Tx, November 2013.
- 2013 Delfin D, Grossestreuer A, Gaieski DF, Archer S, Abella BS, Leary M. Report of adverse effects from a US Registry of patients undergoing Targeted Temperature Management following cardiac arrest. American Heart Association ReSS, Dallas, Tx, November 2013.
- 2013 Riker R, Leary M, Bouldu B, Delfin G, Abella BS, Gaieski DF, McCrum B, Stone P, Seder DB. Early Processed EEG Data Predicts Outcome Better Than Age, Rhythm, or Time to Recovery of Spontaneous Circulation After Cardiac Arrest. ReSS, Dallas, Tx, November 2013.
- 2103 Sheak K, Wiebe D, Leary M, Abella BS. Measuring the association of ETCO2 and CPR quality metrics. ReSS, Dallas, Tx, November 2013.
- 2013 Beams O, Leary M, Cinousis MJ, Sheak K, Abella BS. Response to Updated 2010 American Heart Association Cardiopulmonary Resuscitation Guidelines at An Academic Medical Center, An Observational Study. ReSS, Dallas, Tx, November 2013.
- 2013 Blewer AL, Buckler DG, Beams O, Leary M, Riegel BJ, Becker LB, MD, Groeneveld PW, Shea J, Putt ME, Abella BS. Lay bystanders taught with the 2010 CPR guidelines perform deeper chest compressions than those taught the 2005 guidelines when tested longitudinally, a multicenter hospital-based study. ReSS, Dallas, Tx, November 2013.
- 2013 Agarwal AK, Perman SM, Gaieski DF, Delfin G, Leary M, Abella BS, Carr BG. Testing The Feasibility Of Using Telemedicine For Post-cardiac Arrest Management In The Emergency Department. ReSS, Dallas, Tx, November 2013.
- 2013 Gaieski DF, Johnson NJ, Hsu CH, Perman SM, Becker LB, Grossestreuer AV, Acker M. Ecmo as Rescue Strategy For Refractory Cardiac Arrest And Profound Shock. ReSS, Dallas, Tx, November 2013.
- 2013 Gaieski DF, Grossestreuer AV, Johnson N, Hsu, C, Leary M, Becker LB, Abella BS. ECMO as Rescue Strategy for Refractory Cardiac Arrest and Profound Shock. SAEM, Atlanta, Ga, May 2013.
- 2013 Corrigan JE, Bellamy CJ, Ball AM, Mikkelsen M, Salonia J, Leary M, Fuchs BD. Heparin dosage in post-cardiac arrest patients undergoing therapeutic hypothermia. SCCM, San Juan, Puerto Rico, January 2013.
- 2013 Leary M, Cinousis MJ, Sheak K, Iannacone S, Kolansky D, Mikkelsen M, Abella BS, Fuchs B. The Association Of Body Mass Index With Time To Target Temperature And Outcomes In Post-arrest Patients Treated With Therapeutic Hypothermia Via An External Cooling System. University of Pennsylvania EM Research Day, Philadelphia, Pa, March 2013.
- 2012 Perman SM, Grossestreuer AV, Leary M, Donnino MW, Cocchi MN, Peberdy MA, Ornato JP, Clore JN, Calloway CW, Rittenberger JC, Abella BS, Gaieski DF. The Use of Invasive Hemodynamic Monitoring in Evaluating Resuscitative Endpoints in Post-Cardiac Arrest Therapeutic Hypothermia (COMICA Study Group). ReSS, Los Angeles, CA, November 2012.

- 2012 Gonzalez MR, Cinousis MJ, Ward MA, DiPuppo Tucker K, Becker LB, Leary M, Abella BS. Automated External Defibrillator (AED) Awareness and Knowledge Among the Lay Public in a Busy Urban Transportation System. ReSS, Los Angeles, CA, November 2012.
- 2012 Blewer A, Le J, Buckler D, Leary M, Riegel B, Bobrow BJ, Abella BS. Feasibility of Using Hospital Personnel to Create a Sustainable CPR Training Program for Family Members of Hospitalized Patients. ReSS, Los Angeles, CA, November 2012.
- 2012 Starodub R, Abella BS, Grossestreuer AV, Shofer FS, Perman SM, Leary M, Gaieski DF. Association of Serum Lactate and Survival Outcomes in Patients Undergoing Therapeutic Hypothermia after Cardiac Arrest. ReSS, Los Angeles, CA, November 2012.
- 2012 Perman SM, Grossestreuer AV, Leary M, Donnino MW, Cocchi MN, Peberdy MA, Ornato JP, Clore JN, Calloway CW, Rittenberger JC, Abella BS, Gaieski DF. Association Between Blood Pressure Measurements, Vasopressor Use, and Outcome in Post-Cardiac Arrest Patients Treated with Therapeutic Hypothermia from Four Sites (COMICA Study Group). ReSS, Los Angeles, CA, November 2012.
- 2012 Perman SM, Grossestreuer AV, Leary M, Gaieski DF, Carr BG, Abella BS. Time to Target Temperature and Neurologic Outcome in Survivors of Cardiac Arrest. ReSS, Los Angeles, CA, November 2012.
- 2012 Gaieski DF, Grossestreuer AV, Perman SM, Neumar RW, Leary M, Napoli AM, Alpert W, Becker LB, Abella BS. Initial Hyperoxia is Associated with Survival in Post-Arrest Patients Enrolled in the PATH Database. ReSS, Los Angeles, CA, November 2012.
- 2012 Gaieski DF, Grossestreuer AV, Perman SM, Leary M, Donnino MW, Cocchi MN, Peberdy MA, Ornato JP, Clore JN, Calloway CW, Rittenberger JC, Abella BS. Neither Hypoxia nor Hyperoxia is Associated with Mortality in a Cohort of Post-Arrest Patients. ReSS, Los Angeles, CA, November 2012.
- 2012 Gaieski DF, Grossestreuer AV, Perman SM, Leary M, Napoli AM, Alpert W, Neumar RW, Becker LB, Abella BS. Initial Base Deficit and Arterial Carbon Dioxide Level Associated with Survival in Post-Arrest Patients. ReSS, Los Angeles, CA, November 2012.
- 2012 Leary M, Cinousis MJ, Sheak K, Iannacone S, Kolansky D, Mikkelsen M, Abella BS, Fuchs B. The Association Of Body Mass Index With Time To Target Temperature And Outcomes In Post-arrest Patients Treated With Therapeutic Hypothermia Via An External Cooling System. ReSS, Los Angeles, CA, November 2012.
- 2012 Perman S, Grossestreuer A, Leary M, Napoli A, Beylin M, Abella BS, Neumar RW, Gaieski DW. Association between initial blood pressure goals and outcome in post-cardiac arrest patients treated with therapeutic hypothermia. European Resuscitation Council Congress. Vienna. October 2012.
- 2012 Perman S, Grossestreuer A, Leary M, Abella BS, Becker LB, Gaieski DW. The use of invasive hemodynamic monitoring in evaluating resuscitative endpoints in post-cardiac arrest patients. European Resuscitation Council Congress. Vienna. October 2012.
- 2012 Wallace SK, Abella BS, Shofer FS, Leary M, Neumar RW, Mechem CC, Gaieski DF, Becker LB, Band RA. Racial differences in prehospital care of OHCA. Society for Academic Emergency Medicine. May 2012.

- 2012 Gaieski DF, Grossestreuer A, Leary M, Becker LB, Abella BS. Initial Lactate Level Not Associated with Mortality in Post-Arrest Patients Treated with Therapeutic Hypothermia. Society for Academic Emergency Medicine Annual Meeting. Chicago, May 2012.
- 2012 Gaieski DF, Grossestreuer A, Salhi R, Leary M, Becker LB, Neumar RW, Abella BS. Hypoxia but not hyperoxia associated with mortality in a cohort of post-arrest patients. Society for Academic Emergency Medicine Annual Meeting. Chicago, May 2012.
- 2011 Esposito EC, Iannacone SM, McKenna KA, Richard JA, Gur RC, Abella BS, Leary M. The Effect Of Therapeutic Hypothermia On Neurocognitive Function In Long-term Survivors Of Cardiac Arrest. American Heart Association Scientific Sessions, Orlando, Florida, November 2011.
- 2011 Hirsch LM, Leary M, DiPuppo Tucker KL, Becker LB, Abella BS. Automated External Defibrillator Availability And CPR Training Among State Police Agencies In The United States. American Heart Association Scientific Sessions, Orlando, Florida, November 2011.
- 2011 Gonzalez MR, Leary M, Esposito EC, Gaieski DF, Kolansky DM, Carr BG, Change G, Becker LB, Abella BS. Patient-level Variables Predictive of Significant Coronary Lesions on Angiography After Cardiac Arrest. American Heart Association Scientific Sessions, Orlando, Florida, November 2011.
- 2011 Grossestreuer AV, Abella BS, Leary M, Neumar RW, Becker LB, Gaieski DF. Penn Alliance for Therapeutic Hypothermia: The First US Registry of Post-Cardiac Arrest Hypothermia Patients - Hemodynamics, Mortality, and Therapeutic Hypothermia. American Heart Association Scientific Sessions, Orlando, Florida, November 2011.
- 2011 Grossestreuer AV, Abella BS, Leary M, Neumar RW, Gaieski DF. The Relationship Between Mean Arterial Blood Pressure Goals and Survival in Post-Cardiac Arrest Syndrome Patients Treated with Therapeutic Hypothermia Author Block. American Heart Association Scientific Sessions, Orlando, Florida, November 2011.
- 2011 Blewer AL, Haley DM, Xu J, Dine CJ, Leary M, Abella BS. Barriers To Post-arrest Therapeutic Hypothermia Adoption And Methods To Increase Implementation. American Heart Association ReSS, Orlando, Florida, November 2011.
- 2011 Blewer AL, Haley DM, Xu J, Dine CJ, Leary M, Abella BS. Defining Lay Bystander's Knowledge, Attitudes, and Beliefs Towards Cardiopulmonary Resuscitation Training and Performance. American Heart Association ReSS, Orlando, Florida, November 2011.
- 2011 May Kahn AD, Perman S, Leary M, Gaieski DF, Kirkpatrick JK, Merchant R. Calling the Code: Factors Influencing the Length Of CPR. American Heart Association ReSS, Orlando, Florida, November 2011.
- 2011 Gaieski DF, Grossestreuer A, Leary M, Becker LB, Abella BS, Initial Lactate Level Not Associated With Mortality in Post-Arrest Patients Treated with Therapeutic Hypothermia. 4<sup>th</sup> International Hypothermia Symposium, Tokyo, Japan, September 2011.
- 2011 Gaieski DF, Grossestreuer A, Salhi R, Asztalos T, Leary M, Becker LB, Abella BS, Hypoxia but not Hyperoxia Associated with Mortality in a Cohort of Post-Arrest Patients. 4<sup>th</sup> International Hypothermia Symposium, Tokyo, Japan, September 2011.

- 2010 Gaieski DF, Abella BS, Neumar RW, Fuchs BD, Kolansky DM, Leary M, Fried DA, Delfin G, Becker LB, Goyal M. Neither Institutional Therapeutic Hypothermia Protocols nor Published Implementation Studies Specify Goal Arterial Oxygen Levels in Post-Arrest Patients. European Resuscitation Council, December 2010.
- 2010 Blewer A, Leary M, Fredricks AC, Anderson JC, Decker CS, Esposito EC, Abella BS. Self-reported barriers to CPR education among laypersons offered training. ReSS, Chicago, IL. November 2010.
- 2010 Gaieski DF, Abella BS, Neumar RW, Fuchs BD, Kolansky DM, Delfin G, Leary M, Goyal M. Hemodynamic Management Strategies are not Explicitly Defined in the Majority of Therapeutic Hypothermia Implementation Studies. ReSS, Chicago, IL. November 2010.
- 2010 Gaieski DF, Abella BS, Neumar RW, Fuchs BD, Kolansky DM, Leary M, Delfin G, Becker LB, Goyal M. A Wide Variation Exists in the Utilization of “Bundles of Care” Between Institutional Therapeutic Hypothermia Protocols and Published Implementation Studies. ReSS, Chicago, IL. November 2010.
- 2010 Ebbling L, Esposito EC, Fried DA, Gonzalez M, Leary M, Abella BS. Increasing Rescuer Height Is Associated with Higher Frequency of Chest Compression Leaning. ReSS, Chicago, IL. November 2010.
- 2010 Perman SM, Smith DA, Leary M, Fried DA, Swann N, Becker LB, Edelson DP, Abella BS. CPR quality is more variable at night than during the day in a multicenter study of in-hospital cardiac arrest. ReSS, Chicago, IL. November 2010.
- 2009 Leary M, Fried DA, Gaieski DF, Becker LB, Merchant RM, Fuchs BD, Kolansky DM, Abella BS. Bispectral Index Monitoring for Prognostication after Cardiac Arrest Resuscitation and Therapeutic Hypothermia. ReSS, Orlando, FL. November 2009.
- 2009 Fried DA, Leary M, Herzberg DL, Niles DE, Sutton RM, Nadkarni VM, Becker LB, Abella BS. Leaning Prevalence during Continuous Chest Compressions is Rescuer-Specific in a Cohort of In-hospital Cardiac Arrests. ReSS, Orlando, FL. November 2009.
- 2009 Perman SM, Kirkpatrick JN, Reitsma AM, Gaieski DF, Smith TM, Leary M, Abella BS, Becker LB, Merchant RM. A Rush To Judgment: Timing Of Prognostication In Post-arrest Therapeutic Hypothermia. ReSS, Orlando, FL. November 2009.
- 2009 Merchant RM, Abotsi EJ, Long JA, Trudeau ME, Groeneveld PW, Leary M, Becker LB, Abella BS, Asch DA. Real-Time Cardiopulmonary Resuscitation Instructions via Cellular Phone. ReSS, Orlando, FL. November 2009.
- 2009 Abotsi EJ, Leary M, Merchant RM, Kirkpatrick JN, Becker LB, Reitsma AM, Chiames C, Abella BS. Long Term Survivors of Cardiac Arrest Describe Persistent Fears and Disabilities. ReSS, Orlando, FL. November 2009.
- 2008 Leary M, Albright L, Meshberg EB, Sugerman NT, Becker LB, Abella BS. A Cardiopulmonary Resuscitation Training Program for Family Members of In-Hospital Patients at Risk for Cardiac Arrest. ReSS, New Orleans, LA. November 2008.
- 2008 Szyld D, Martinez SN, Leary M, Abella BS. Video Self-Instruction in Cardiopulmonary

- Resuscitation Skills for Hospital Personnel in Guatemala. ReSS, New Orleans, LA. November 2008.
- 2008 Dine CJ, Gersh RE, Leary M, Riegel BJ, Bellini LM, Abella BS. Using Real-Time Feedback and Debriefing to Improve CPR Quality and Performance. European Resuscitation Council, Ghent, Belgium. May 2008.
- 2008 Jacob J, Wallbrech JL, Leary M, Edelson DP, Weidman E, Becker LB, Abella BS. Characterization of chest compression pauses during in-hospital cardiac arrest. University of Pennsylvania Student Research Day, Philadelphia, PA. March, 2008.
- 2007 Abella BS, Leary M, Kim, S, Shea CL, Becker LB. Untrained volunteers can perform quality CPR when using an automatic external defibrillator with a CPR voice-prompting algorithm. ReSS, Orlando, Fl. November, 2007.
- 2006 Leary M, Who Bonds The Best? Real Families, Real Facts: Research Symposium on LGBT-headed Families, Philadelphia, Pa. May 2006.

### **WORKSHOPS**

- 2013 Leary M, Delfin G, Abella BS. Therapeutic Hypothermia Institute. Barnabas Medical Center, Livingston, NJ. June 2013.
- 2012 Abella BS, Blewer A, Leary M. Therapeutic Hypothermia After Cardiac Arrest: A Hands-on Workshop. Emergency Cardiovascular Care Update 2012, Orlando, Fl. September 2012.
- 2012 Leary M, Delfin G, Abella BS. Therapeutic Hypothermia Institute. Carroll Hospital Center, Westminster, MD. August 2012.
- 2011 Abella BS, Delfin G, Leary M. Therapeutic Hypothermia Institute. Altoona Medical Center, Altoona, Pa. September 2011.
- 2011 Gaieski DF, Delfin G, Leary M, Abella BS. Therapeutic Hypothermia Institute. Bar Harbor, ME. June 2011.
- 2011 Bobrow B, Leary M. Prehospital Therapeutic Hypothermia. Health and Safety Institute. Las Vegas, NV. May 2011.
- 2011 Leary M, Abella BS, Gaieski DF, Delfin G. Therapeutic Hypothermia After Cardiac Arrest: A Hand-on Implementation Boot Camp. National Teaching Institute and Critical Care Exposition. Chicago, IL. May 2011.
- 2010 Leary M, Blewer A, Abella BS. Therapeutic Hypothermia After Cardiac Arrest: A Hands-on Workshop. Emergency Cardiovascular Care Update 2010, San Diego, CA. December 2010.

### **OTHER - Abstracts**

- 2010 Seethala RR, Mani R, Leary M, Fried DA, Esposito EC, Gaieski DF, Abella BS. Seizure Detection During Therapeutic Hypothermia After Resuscitation From Cardiac Arrest. ReSS, Chicago, IL. November 2010.
- 2008 Jacob J, Wallbrech JL, Leary M, Edelson DP, Weidman E, Becker LB, Abella BS. Characterization of chest compression pauses during in-hospital cardiac arrest. European Resuscitation Council, Ghent, Belgium, May 2008. Best Abstract Competition.

**BOOK**

2014 Abella BS, Blewer AB, Leary M. Targeted Temperature Management after Cardiac Arrest. Apple iBook. September 2014.

**EDITOR**

2010 Nurse Guest Editor. CPR Performance Counts, Quality Improves Survival. Monograph for ACEP News, Journal of Emergency Medical Services and the Journal of Emergency Nursing. December 2010.

**TEXTBOOK CHAPTER**

2013 Leary M, Abella BS. Cardiopulmonary Resuscitation. Principles of Critical Care. Fourth Edition. Edited by Jesse Hall MD and Gregory Schmidt MD. In Press.

2013 Leary M, Abella BS. Therapeutic Hypothermia. Principles of Critical Care. Fourth Edition. Edited by Jesse Hall MD and Gregory Schmidt MD. In Press.

2012 Fried DA, Leary M, Abella BS. Advanced Cardiac Life Support and Therapeutic Hypothermia. ICU Manual. Edited by Paul Lanken MD. In Press.

**Contributor:**

2017 Generocity  
 2016 Social Innovation Journal  
 2016 Geekadelphia.com  
 2015 American Heart Association Connections  
 2015-2016 STEM Everyday Podcast, STEAMrollrs segment  
 2015 Howstuffworks.com  
 2015-2018 Huffington Post  
 2015 Nurse FYI Magazine  
 2011-2016 FAQ: Ask the Experts, Therapeutic Hypothermia & Temperature Management

**MANUSCRIPT REVIEWER**

2018-Present BMC Medical Ethics  
 2017-Present Journal of Medical Internet Research mHealth  
 2017-Present Simulation in Healthcare  
 2017-Present Heart, Lung and Circulation  
 2016-Present Journal of Medical Internet Research  
 2015-Present American Journal of Critical Care  
 2013-Present Critical Care Nurse  
 2013-Present Journal of Hospital Medicine  
 2013-Present Critical Care Medicine  
 2012-Present Western Journal of Nursing Research  
 2012-Present The Journal of Cardiovascular Nursing  
 2011 Clinical Neurology and Neurosurgery  
 2007-Present Resuscitation, Official Journal of the European Resuscitation Council

**MODERATOR**

2018 AHA, ReSS, Chicago, IL, November 2018  
 2017 Scientific Sessions, Education Innovations in Resuscitation, Anaheim, CA  
 2016 International Hypothermia and Temperature Management Symposium, Philadelphia, Pa, September 2016  
 2015 Online Simulation Training for the Real World, ECCU, San Diego, CA, December 2015



- 2015 Digital Media Session, AHA, ReSS, Orlando, FL, November 2015
- 2014 AHA, ReSS, Chicago, IL, November 2014
- 2014 AHA CPR Quality Challenge, NTI, Denver, CO, May 2014
- 2013 AHA ReSS, Dallas, Tx, November 2013
- 2013 Implementation Science Conference, Philadelphia, Pa, April 2013
- 2012 AHA ReSS, Los Angeles, CA, November 2012
- 2011 AHA Scientific Sessions, Orlando, FL, November 2011
- 2009 Dickinson W Richards Lecture: Cardiopulmonary Resuscitation – Resuscitation Physiology, Hemodynamics and Outcomes, American Heart Association Scientific Sessions, Orlando, FL, November 2009

### **ABSTRACT REVIEWER**

- 2018 American Heart Association ReSS, Chicago, IL. November 2018
- 2017 American Heart Association ReSS, Anaheim, CA. November 2017
- 2017 Emergency Cardiovascular Care Conference, New Orleans, LA, December 2017
- 2016 American Heart Association ReSS, New Orleans, LA, November 2016
- 2015 Emergency Cardiovascular Care Conference, San Diego, Ca. December 2015
- 2015 American Heart Association ReSS, Orlando, FL, November 2015
- 2014 Citizen Science Association conference, San Jose, Ca. February 2015
- 2014 American Heart Association ReSS, Chicago, IL. November 2014
- 2014 American Heart Association Scientific Sessions, Chicago, IL. November 2014
- 2013 American Heart Association Scientific Sessions, Dallas, Tx. November 2013
- 2013 American Heart Association ReSS. Dallas, Tx. November 2013
- 2012 American Heart Association ReSS, Los Angeles, CA. November 2012
- 2011 American Heart Association ReSS, Orlando, FL. November 2011

### **PROFESSIONAL ORGANIZATIONS**

- |              |  |
|--------------|--|
| 2013-2016    | NeuroCritical Care Society                   |
| 2007-Present | American Heart Association                   |
| 2007-2014    | American Association of Critical Care Nurses |
| 2006-2007    | Sigma Theta Tau                              |

### **BOARD OF DIRECTORS**

- 2016- 2017 Chair, Communications Committee, Liberty City Democratic Club, Philadelphia, Pa
- 2014-2018 Program Committee, Start Talking Science, Philadelphia, Pa

### **PATENTS**

- 2017 Provisional Patent, No: 62/490,306: Methods And Systems For Virtual Reality And Augmented Reality Training For Responding To Emergency Conditions.

### **OTHER SELECTED ACTIVITIES**

- 2010 Defibrillator Nursing Competency, Hospital of the University of Pennsylvania
- 2010 Therapeutic Hypothermia Nursing Competency, Hospital of the University of Pennsylvania
- 2010 Therapeutic Hypothermia Family Brochure, Hospital of the University of Pennsylvania
- 2010 Clinical Emergencies Form Re-design, University of Pennsylvania Health System
- 2008-2009 Cardiac Arrest Champions' Education Sessions, Hospital of the University of Pennsylvania,
- 2008 Post Cardiac Arrest/Induced Hypothermia Sunrise Order Set, Hospital of the University of Pennsylvania, 2008, updated 2010, updated 2012, updated 2014
- 2008 Code Recording Form Training on Knowledge Link, Hospital of the University of Pennsylvania

### **OTHER**

2015	Guest Appearance, This American Life, Episode 575
2012	Young Involved Philadelphia, Board Prep Program, Philadelphia, Pa
2011 – 2015	Volunteer, Red Paw Emergency Relief Team, Philadelphia, Pa
2011 – 2013	Volunteer, Philadelphia County Animal Rescue Team, Philadelphia, Pa
2011 – 2015	Volunteer, ACCT Animal Shelter, Philadelphia, Pa
2008 – 2016	Emergency Disaster Nurse, Philadelphia Medical Reserve Corp
2007 – 2016	Disaster Response Nurse, American Heart Association, SEPA
2002	Women's Professional Football Player, Philadelphia Liberty Belles, National Champions