

Phillip C. Moschella, MD, PhD

(E): Phillip.moschella@prismahealth.org

EDUCATION AND TRAINING

Clinical and Translational Research Certificate

- Clemson University 2017.

Board Certification: American Board of Emergency Medicine (ABEM)

- Diplomate, May 16, 2016- December 31, 2026.

Residency: University of Cincinnati, Department of Emergency Medicine- Cincinnati, OH (2011-2015)

- Passed USMLE Step Three- 2014.

Graduate: Medical University of South Carolina- Charleston, SC

Medical Scientist Training Program (MSTP)

- Passed USMLE Step One Board Exam- 217/88, 2004.
- Passed USMLE Step Two CS and CK Board Exams- 230/99, 2010.

Doctor of Medicine, May 2011

Doctor of Philosophy, Molecular & Cellular Biology and Pathobiology, May 2009

Undergraduate: Wofford College- Spartanburg, SC

Bachelor of Science in Biology and Psychology May 2001

Bachelor of Arts in History May 2001

- Graduated Cum Laude

PROFESSIONAL EXPERIENCES

Clemson University School of Health Research(11/2016-Present)

Clinical Assistant Professor

University of South Carolina School of Medicine Greenville (5/2016-5/2020)

Clinical Assistant Professor

- IPM2-Clinical Reasoning Instructor
- Research Tools and Methods Instructor: IPM1 and IPM2

Prisma Health: Upstate Affiliate (6/2015-Present)

Attending Emergency Medicine Physician- Department of Emergency Medicine

- Urban Academic Level I trauma center, 90,000 visits/year
- Rural Emergency Department, 30,000 visits/year

Cincinnati VA Medical Center (11/2014-7/2015)

Attending Physician, Emergency Department

University of Cincinnati Medical Center (2011-2015)*Resident Physician, Center for Emergency Care*

- Resident physician, Urban Academic Level I trauma center, 90,000 visits/year

Flight Physician, Air Care & Mobile Care

- Flight physician on fully CAMTS accredited aeromedical, critical care transport team

Resident Assistant Medical Director, Mobile Care (5/2014-6/2015)

- Mobile Care is the only medical transport agency accredited by CAMTS is three levels, BLS, ALS and MICU and that is licensed to operate in the Ohio, Kentucky, Indiana Tri-state region. Responsibilities: continuing education and simulation for EMT, Paramedics and Nurses, and Quality improvement.

PEER-REVIEWED PUBLICATIONS

Gottlieb M, Chan TM, Clarke SO, Ilgen J, Jordan J, **Moschella PC**, Santen SA, Yarris LM, Coates WC. Emergency Medicine Education Research Since the 2012 Consensus Conference: How Far Have We Come and What's Next? *AEM E&T*. 2020 Feb; 4 (S1) S1-S146.

Bentley S, Stapleton S, **Moschella PC**, et al. Barriers and Solutions to Advancing Emergency Medicine Simulation-Based Research: A Call to Action. *AEM E&T*. 2020 Feb; 4 (S1) S1-S146.

Fabiano S, **Moschella PC**, Carey C, Lommel K. Peer Opioid Addiction Intervention in the Emergency Department Impacts Recovery. *AEM Special Issue: 2019 Annual Meeting Supplement*. 2019 May;26 (S1) S9-S304.

Del Vecchio A, **Moschella PC**. FACILITATE: A Novel Theater-Based Approach to Improve the Communication Skills of Health Care Professionals. *AEM Special Issue: 2019 Annual Meeting Supplement*. 2019 May;26 (S1) S9-S304.

Moschella PC, et al. HIV Patients Diagnosed Using Emergency Department Opt-Out Screening Stay In Care: A 10-Year Case Review. *AEM Special Issue: 2019 Annual Meeting Supplement*. 2019 May;26 (S1) S9-S304.

Theobald B, Bernabe J, **Moschella PC**. New Public Health Partnership: GHS Emergency Department and SC DHEC HIV Surveillance Program. *GHS Proceedings (Accepted For Publication 05/2018)*

Sundararaj K, Pleasant DL, **Moschella PC**, Balasubramanian S, Kuppuswamy S. mTORC2 Represses Hypertrophic Agonist-Stimulated Expression of Connective Tissue Growth Factor in Adult Cardiac Muscle Cells. *J Cardiovasc Pharmacol*. 2016 Feb;67(2) 110-20.

Moschella PC, Lindsell CJ, Ruffner AH, Wayne DB, Hart KW, Sperling MI, Trott AT, Fichtenbaum CJ, Lyons MS. Prevalence of Undiagnosed Acute and Chronic HIV in a Lower Prevalence Urban Emergency Department. *American Journal of Public Health*. *American Journal of Public Health*. 2014 Sep;104(9):1695-9.

Moschella PC, McKillop JC, Pleasant DL, Harston RK, Balasubramanian S, Kuppuswamy D. mTOR complex 2 mediates AKT phosphorylation that requires PKC epsilon in adult cardiac muscle cells. *Cell Signal*. 2013 Sep;25(9):1904-12.

Harston RK, McKillop JC, **Moschella PC**, Van Laer A, Quinones LS, Baicu CF, Balasubramanian S, Zile MR, Kuppuswamy D. Rapamycin treatment augments both protein ubiquitination and Akt activation in pressure-overloaded rat myocardium. *Am J Physiol Heart Circ Physiol*. 2011 May;300(5):H1696-706.

Balasubramanian S, Johnston RK, **Moschella PC**, Mani SK, Tuxworth WJ Jr, Kuppuswamy D. mTOR in growth and protection of hypertrophying myocardium. *Cardiovasc Hematol Agents Med Chem*. 2009 Jan;7(1):52-63. Review.

Tuxworth WJ Jr, Shiraishi H, **Moschella PC**, Yamane K, McDermott PJ, Kuppuswamy D. Translational activation of 5'-TOP mRNA in pressure overload myocardium. *Basic Res Cardiol*. 2008 Jan;103(1):41-53.

Moschella PC, Rao VU, McDermott PJ, Kuppuswamy D. Regulation of mTOR and S6K1 activation by the nPKC isoforms, PKC(epsilon) and PKC(delta), in adult cardiac muscle cells. *J Mol Cell Cardiol*. 2007 Dec;43(6):754-66.

NON-PEER-REVIEWED PUBLICATIONS

Moschella PC, Ludmer N. B-Pod Case Feature: Botulism. *Annals of B-Pod*. October 2014.

Moschella PC, Labocetta L, Bush JL. Ischemic on non-ischemic priapism induced secondary to trauma: recognizing the difference and current treatment options (a.k.a. my first patient in the ED). *EM Resident Magazine*. Dec/Jan 2010/2011.

PEER- REVIEWED ABSTRACTS

Hunnicut W, Tan X, Declan A, **Moschella PC**. Age Adjusted D-Dimer is an Independent Mortality and Admission Risk Factor for Emergency Department Patients. SAEM Annual Conference (Denver CO) May 2020. (E-Poster Accepted for Presentation)

Heavner-Sullivan S, **Moschella PC**, Et al. Emergency Department Screening Discovers High Prevalence of Current HCV Infection in Urban/Rural South Carolina. SAEM Annual Conference (Denver CO) May 2020. (E-Poster Accepted for Presentation)

Moschella PC, Davis T, Heavner-Sullivan S, Roth P. Public Health Collaboration Augments HIV and Syphilis Screening in Upstate South Carolina Emergency Departments. SAEM Annual Conference (Denver CO) May 2020. (E-Poster Accepted for Presentation)

Fabiano S, **Moschella PC**, Carey C, Lommel K. Peer Opioid Addiction Intervention in the Emergency Department Impacts Recovery. SAEM Annual Conference (Las Vegas NV) May 2019. (E-Poster Presented at Conference)

Del Vecchio A, **Moschella PC**. FACILITATE: A Novel Theater-Based Approach to Improve the Communication Skills of Health Care Professionals. SAEM Annual Conference (Las Vegas NV) May 2019. *(E-Poster Presented at Conference)*

Moschella PC, et al. HIV Patients Diagnosed Using Emergency Department Opt-Out Screening Stay In Care: A 10-Year Case Review. SAEM Annual Conference (Las Vegas NV), May 2019. *(E-Poster Presented at Conference)*

Zink JA, Schammel C, Bernabe J, Fiske S, **Moschella PC**. “Opt-out” HIV Screening in The Emergency Department Discovers a High Prevalence of Undiagnosed HIV in the Upstate of South Carolina: Brief Report on the Conclusion of a 8-year Emergency Department Collaboration with South Carolina Department of Health and Environmental Control. ACEP Annual Conference (San Diego CA), Oct 2018. *(E-Poster Presented at Conference)*

Matthews C, **Moschella PC**, Blackhurst D, Lommel KM. Decreased Restraint Use After Initiation of Emergency De-Escalation Team Protocols and Effective Use of Oral Disintegrating Antipsychotics in the Emergency Department. ACEP Annual Conference (San Diego CA), Oct 2018. *(E-Poster Presented at Conference)*

Carey CW, Jones R, Yarborough H, Kahler Z, **Moschella PC**, Lommel KM. Peer-to-Peer Addiction Counseling Initiated in the Emergency Department Lead to High Initial Opioid Recover Rates. ACEP Annual Conference (San Diego CA), Oct 2018. *(E-Poster Presented at Conference)*

Barker C, et al. **Moschella PC**. Resident Versus Attending Emergency Physician Biomarkers Comparison. IISE Annual Conference (Orlando FL). May 2018. *(Presentation at Conference)*

Peterson S, **Moschella PC**, Ramsay A, Shovrin D. Can Commercially Available Voice Prompting Automatic Electrical Defibrillators (AEDs) be Utilized Effectively by Grade School Children. *GHS Research Day*. April 2018. *(Poster Presented at Conference)*

Shah B, Wong D, Peterson S, **Moschella PC**, Ramsay A, Shvovin D. Comparison of high versus low fidelity simulation models for AHA CPR training in Middle School Students. *GHS Research Day*. April 2018. *(Poster Presented at Conference)*

Theobald B, Bernabe J, **Moschella PC**. New Public Health Partnership: GHS Emergency Department and SC DHEC HIV Surveillance Program. *GHS Research Day* (Greenville SC), Apr 2018. *(Poster Presented at Conference)*

Del Vecchio A, Pfennig C, **Moschella PC**. Medical Student Response to Improvisation and Acting Training: Novel Curriculum Pilot Study. ACEP Annual Conference (Washington DC), Oct 2017. *(E-poster Presented at Conference)*

Taylor R, Blackhurst D, **Moschella PC**. Patient Experience Scores Are Affected By Timing of Survey Administration in An Urban Academic Emergency Department. ACEP Annual Conference (Washington DC), Oct 2017. *(E-poster Presented at Conference)*

Polk R, Blackhurst D, **Moschella PC**. Disposition Destination Does Not Affect Patient Experience Ratings in Real-Time in an Urban Academic Emergency Department. ACEP Annual Conference (Washington DC), Oct 2017. (*E-poster Presented at Conference*)

Moschella PC, Verzwylvelt J. Resident Driven Creation of a Novel Low-Cost but High-Fidelity Simulation Model of Ischemic Priapism. SAEM Annual Conference (San Diego), 2015. Poster Presented at Conference

Moschella PC, Lindsell CJ, Ruffner AH, Wayne DB, Hart KW, Sperling MI, Trott AT, Fichtenbaum CJ, Lyons MS. Prevalence of Undiagnosed Acute and Non-Acute HIV in a Lower Prevalence Urban Emergency Department. SAEM Annual Conference (Atlanta), 2013. Poster Presented at Conference

Moschella PC, McKillop JC, Harston RK, Kuppuswamy D. PKC ϵ Regulates PI3K/mTOR Complex-2-Dependent AKT Activation Independent of c-Raf/MEK/ERK Pathway. AHA/Basic Cardiovascular Sciences 2011 Scientific Sessions. Poster Presented at Conference.

Moschella PC, Rao VJ, McDermott PJ, Kuppuswamy D. nPKC Isoforms Differential Activation of S6K1 in Adult Cardiac Myocytes. Experimental Biology, 2006. Poster Presentation at Conference.

Bales CW, **Moschella PC** et al. Sustained Effects of Chronic Exercise on Blood Lipids in Adults Aged 40-65 Years: The Studies of a Targeted Risk Reduction Intervention Through Defined Exercise (STRIDDE) trial. Experimental Biology, 2001. Poster Presentation at Conference.

NATIONAL MEETING PRESENTATIONS

Moschella PC, Del Vecchio A. FACILITATE Expansion: A Unique Cross-Collaborative, Inter-Professional Initiative to Improve the Communication Skills in Medical Education. AMEE: The Association for Medical Education in Europe. Annual Conference (E-Conference) September 2020.

Moschella PC, Del Vecchio A, Pfennig-Bass C. FACILITATE Expansion: A Unique Cross-Collaborative, Inter-Professional Initiative to Improve the Communication Skills of Nursing Students. International Nursing Conference for Excellence in Healthcare Design. (Clemson University School of Nursing, Greenville, SC) August 2019.

Moschella PC. Low Cost Simulation Models: Caviar Tastes on a Tuna Fish Budget. SAEM Pre-Conference Workshop. (Las Vegas, NV), May 2019.

Moschella PC. Turning Trash Into Treasure: Low-Cost High-Fidelity Sim Strategies and Models. SAEM Pre-Conference Workshop. (Indianapolis, IN), May 2018.

Moschella PC. Simulation 560. CORD Academic Assembly (Ft. Lauderdale, FL), April 2017.

Moschella PC, Verzwylvelt J. Resident Driven Creation of a Novel Low-Cost but High-Fidelity Simulation Model of Ischemic Priapism. SAEM Annual Conference (San Diego), May 2015. Interactive Demonstration of Simulation Model.

REGIONAL MEETING PRESENTATIONS

Moschella PC. Not So Rapid RSI, Delayed Sequence Intubation. Swamp Rabbit Prehospital Medicine Conference (Greenville, SC), 2017.

Moschella PC. Trauma and Fluids: When is Enough, Enough? Swamp Rabbit Prehospital Medicine Conference (Greenville, SC), 2015.

RESEARCH EXPERIENCE

University of Cincinnati Medical Center Cincinnati Emergency Medicine Department	UCMC	06/11-05/15
<ul style="list-style-type: none"> • Current research project involving liposomal encapsulation of prothrombotic compounds in the Lab of Dr. Shaw 		
Medical University of South Carolina, MSTP	MUSC	6/02- 05/11
<ul style="list-style-type: none"> • PhD completed in Molecular and Cellular Biology and Pathobiology Mentor: Dr. Kuppuswamy, and Gazes Cardiac Research Institute Focus: Molecular Signaling During Cardiac Hypertrophy 		
Research Tech II, Duke University	DUMC	8/01- 5/02
<ul style="list-style-type: none"> • Research Tech position at Duke University Medical Center/Center for Living in Bio-Nutrition Lab: Dr. Connie Bales. 		
Undergraduate Research, Wofford College	Wofford	8/00-5/01
<ul style="list-style-type: none"> • Senior Thesis: Animal study involving fat ingestion and analgesia. • Animal study of CNS central pattern generator phase lag in bull frog tadpoles. 		

FUNDING SUPPORT

Award: A00-3411-S002 (PI: Phillip Moschella)
Medical University of South Carolina
Total award: \$98,458
11/2019- 11/2020
SBIRT/SUD/MAT Access in the ED

Award: 585812.6 (Co-PI: Phillip Moschella)
Gilead Sciences Inc.
Total Award: \$251,959
5/2020- 5/2021
Master Focus Agreement

Award: HV-9-531 (PI: Phillip Moschella)
South Carolina DHEC
Total Award: \$382,000
5/2020- 12/31/2020
Subsidized HIV/HCV Screening in the Upstate

Award: SAEMF-NIDA Mentored Opiate Research (PI: Phillip Moschella)

SAEMF- NIDA

Total Award: \$12, 000

1/2020- 1/2021

Mentored Award for Implementation and Dissemination of SUDS in the ED

TEACHING EXPERIENCE

Simulation

- | | | | |
|---|-------------------------------------|---------|-------|
| • Oral Board Preparation Series (3 hrs) | GHS Resident Education | GHS | 8/18 |
| • Trauma Sim Session (3hrs) | PGY-1 Orientation | GHS | 7/18 |
| • Ultrasound Guided PIV | M3 educational session | USCSOMG | 6/17 |
| • Sepsis Management-
(original scenario) | Mobile Care:MICU
Transport teams | UCMC | 10/14 |
| • Blood Pressure Management in SAH-
(original scenario) | Mobile Care:MICU
Transport teams | UCMC | 9/14 |
| • Gynecologic Emergencies-
(original scenarios: novel priapism model, Bartholin cyst oral boards case) | UCMC Grand Rounds | UCMC | 8/14 |
| • Ultrasound Guided PIV Workshop, Intern Education | | UCMC | 7/14 |
| • Ultrasound Guided PIV Workshop, Nursing Education | | UCMC | 11/13 |
| • Ultrasound Workshop, Emergency Medicine Interest Group | | UCMC | 2/13 |
| • Vascular Access Workshop, Emergency Medicine Interest Group | | UCMC | 11/12 |

Didactics

- | | | | |
|---|--|------|-----------|
| • Heat Emergencies- | Continuing Education, Springfield Fire/EMS | | 3/14 |
| • Submersion Injuries- | Continuing Education, Springfield Fire/EMS | | 3/14 |
| • EMS Pediatric Trauma- | Continuing Education, Springdale Fire/EMS | | 10/13 |
| • EMS Pediatric Airway- | Continuing Education, Colerain Fire/EMS | | 5/13 |
| • Vascular Access- | Continuing Education, Colerain Fire/EMS | | 5/13 |
| • Teaching Assistant for Gene Expression Unit for first year
Curriculum of Graduate School | | MUSC | 2006-2009 |
| • Tutor for Anatomy, and Physiology | | MUSC | 2003-2005 |

Original Didactics

- | | | | |
|--|------------------------------|--|---------|
| Resident Case Conference x3 (15 min each) | GHS Resident Education | | '17/'18 |
| Statistics Curriculum (MS-2) 4 hrs | USCCOMG MS-2 Lecture Series | | '17/'18 |
| Research Curriculum (MS-1) 4hrs | USCSOMG MS-1 Lecture Series | | '17/'18 |
| Glaucoma in the ED | GHS EM Resident Education | | 8/18 |
| TEG Who, What Where | GHS Nursing Grand Rounds | | 4/18 |
| TEG in Trauma | GHS Trauma Grand Rounds | | 2/18 |
| Evaluating the Red Eye | GHS EM Resident Education | | 1/18 |
| Ocular Emergencies | GHS Trauma Grand Rounds | | 1/16 |
| Toxicology (b-Blocker and Ca-channel Overdose) | GHS EM M&M Conference | | 7/16 |
| Clinical Controversy Series: Steroids in Sepsis- | EM Grand Rounds Presentation | | 5/14 |
| Journal Club: US Guided PIV placement in ED- | EM Grand Rounds Presentation | | 10/13 |

Case Follow-Up: Aortic Stenosis-	EM Grand Rounds Presentation	9/13
CPC Conference: Idiopathic Intracranial Hypertension-	EM Grand Rounds Presentation	3/13
Trauma Grand Rounds:- Novel Anticoagulants and Reversal Agents	Surgery/Trauma Lecture Series	2/13
Case Follow-Up: Schistosomiasis in Cincinnati?-	EM Grand Rounds Presentation	5/12
Clinical Knowledge Series: Toxic Acidosis-	EM Grand Rounds Presentation	3/12
Evidence Based Approach to Priapism-	EM Grand Rounds Presentation	9/12
Radiology Series: Shoulder and Humerus-	EM Grand Rounds Presentation	10/11
Case Presentation: Priapism management in the ED-	Med Student Lecture	2/11

MEDICAL DEVICE DESIGN

University of Cincinnati Medical Center

Department of Emergency Medicine

- Priapism- procedural simulation model
- Syringe adaptor device
- Measurement device for Radiology
- Scalpel design for Cricothyrotomy

Medical University of South Carolina

Foundation for Research Development

- Novel Biliary/Arterial stent
- Non-invasive Endoscopic Surgical tool

SERVICE

- SAEM National MedEd Task Force 2019- Present
- SAEM Education Task Force 2018- Present
- SAEM Simulation Academy 2017- Present
- SAEM Research Committee 2013- Present
- SAEM GME Committee 2017-2019
- SAEM Development Committee (2013-14)
- ACEP/EMRA Region 3 representative on Medical Student Council 2010
- MSTP Student Seminar Coordinator 2005, 2006
- Student Representative on Developing Scholar Award Committee 2004
- MSTP Representative on Student Government Association 2004
- MSTP Representative on College of Medicine 2003

HONORS

- Resident Dictation Award, Cincinnati EM Residency UCMC 2014
- Resident Dictation Award, Cincinnati EM Residency UCMC 2013
- Second place, Best Poster category, Student Research Day MUSC 2003
- JF Seegars Award in Psychology Wofford 2001

PROFESSIONAL MEMBERSHIPS

- 2015-Present Diplomat, American Board of Emergency Medicine (ABEM)
- 2011-Present Society of Academic Emergency Medicine (SAEM)

2010–Present	American College of Emergency Physicians (ACEP)
2010–2015	Emergency Medicine Resident Association (EMRA)
2002–2011	American Medical Student Association (AMSA)