

## BIOGRAPHICAL

**Name:** Christian Martin-Gill, MD, MPH      **Birth Date:** June 13, 1979  
**Home Address:** 56 Colony Oaks Drive      **Birth Place:** Madrid, Spain  
Pittsburgh, PA 15209  
**Home Phone:** (412) 252-2071      **Citizenship:** United States & Spain  
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3600 Forbes Ave      martingillc2@upmc.edu  
Pittsburgh, PA 15261  
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## EDUCATION AND TRAINING

### UNDERGRADUATE

1997 – 2001      University of Virginia,      B.S., with distinction, 2001  
Charlottesville, VA      Biochemistry & Psychology

### GRADUATE

2001 – 2005      University of Virginia School of      Medical Doctor, 2005  
Medicine, Charlottesville, VA  
2008 – 2010      University of Pittsburgh Graduate      Master of Public Health, 2010  
School of Public Health      Certificate of Emergency  
Preparedness and Disaster  
Response, 2010

### POSTGRADUATE

2005 – 2008      University of Pittsburgh Residency      Resident in Emergency Medicine  
in Emergency Medicine,      Program Director:  
Pittsburgh, PA      Allan Wolfson, M.D.  
2008 – 2010      Emergency Medical Services      EMS Fellowship  
Fellowship      Program Director:  
University of Pittsburgh      Ronald Roth, M.D.

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## APPOINTMENTS AND POSITIONS

### ACADEMIC

2007 – 2008      University of Pittsburgh Residency      Chief Resident in Emergency  
in Emergency Medicine,      Medicine  
Pittsburgh, PA  
2008 – 2009      Department of Emergency      Clinical Instructor of Emergency  
Medicine, University of Pittsburgh      Medicine  
School of Medicine

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2009 – 2010	Department of Emergency Medicine, University of Pittsburgh School of Medicine	Instructor of Emergency Medicine
2010 – Present	Department of Emergency Medicine, University of Pittsburgh School of Medicine	Associate EMS Fellowship Director
2011 – Present	Department of Emergency Medicine, University of Pittsburgh School of Medicine	Assistant Professor of Emergency Medicine
<u>NON-ACADEMIC</u>		
2006 – Present	STAT MedEvac Critical Care Transport Service, Pittsburgh, PA	Flight Physician
2007 – 2010	UPMC St Margaret Hospital, Pittsburgh, PA	Emergency Physician
2008 – Present	UPMC Mercy Hospital, Pittsburgh, PA	Emergency Physician
2008 – Present	STAT-MD Communications Center	Medical Command Physician
2010 – Present	STAT MedEvac Critical Care Transport Service, Pittsburgh, PA	Associate Medical Director
2010 – Present	UPMC Prehospital Care, Pittsburgh, PA	Associate Medical Director

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### CERTIFICATION AND LICENSURE

#### SPECIALTY CERTIFICATION:

NREMT-Paramedic	1999 – Present
American Board of Emergency Medicine	2009 – Present
Flight Paramedic – Certified (FP-C)	2012 – Present
Advanced Cardiac Life Support (ACLS) Instructor	Current
Advanced Trauma Life Support (ATLS) Provider	Current
Pediatric Advanced Life Support (PALS) Provider	Current
Certified Base Station Command Physician	Current
Neonatal Resuscitation Program (NRP) Instructor	Current

#### MEDICAL OR OTHER PROFESSIONAL LICENSURE:

Commonwealth of Pennsylvania (MD432114)	2007 – Present
Ohio State Medical Board (#096292)	2010 – Present
West Virginia Board of Medicine (#24281)	2010 – Present
Maryland Board of Physicians (D0073198)	2011 – Present

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## MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC SOCIETIES

National Registry of Emergency Medical Technicians	1997 – Present
American College of Emergency Physicians	2002 – Present
Society for Academic Emergency Medicine	2003 – Present
Chairman, EMS Interest Group, 2009-2010	
Pennsylvania Chapter, American College of Emergency Physicians	2005 – Present
Member, EMS Committee, 2007 – P	
National Association of EMS Physicians	2006 – Present
Member, EMS Fellows and Fellowship Graduates Committee, 2008 – P	
Chair, EMS Fellows and Fellowship Graduates Committee, 2011-2013	
Member, Council of EMS Fellowship Directors, 2011 – Present	
Member, Air Medicine Committee, 2011 – Present	
Member, Education Committee, 2011 – Present	
Member, NAEMSP/Physio-Control EMS Fellowship Grant Selection Committee, 2013 – Present	
Air Medical Physicians Association	2010 – Present

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## HONORS

Phi Beta Kappa, University of Virginia	2001
SAEM Medical Student Excellence Award	2005
University of Virginia School of Medicine	
Chief Resident, University of Pittsburgh Residency in Emergency Medicine	2007
Award for Excellence in Teaching	2008
University of Pittsburgh Residency in Emergency Medicine	
Peter Safar Award for Excellence in Research	2008
University of Pittsburgh Residency in Emergency Medicine	
SAEM Physio-Control EMS Fellowship	2009
Best Cardiac Arrest Presentation	2010
NAEMSP 2010 Annual Meeting, Phoenix, AZ	

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## PUBLICATIONS

### REFEREED ARTICLES

1. **Martin-Gill C**, Reiser RC. Risk factors for 72-hour admission to the emergency department. *Am J Emerg Med* 2004; 22(6):448-453.
2. **Martin-Gill C**, Brady WJ, Barlotta K, Yoder A, Williamson A, Sojka B, Haugh D, Marcus ML, Sidebottom M, Sandridge L. Hospital-based healthcare provider (nurse and physician) integration into an emergency medical services-managed mass-gathering event. *Am J Emerg Med* 2007;25(1):15-22.
3. **Martin-Gill C**, Baer AB, Hostege CP, Eldridge DL, Pines JM, Kirk MA. Poison centers as information resources for volunteer EMS in a suspected chemical exposure. *J Emerg Med* 2007;32(4):397-403.

4. **Martin-Gill C**, Hostler D, Callaway CW, Prunty H, Roth RN. Management of prehospital seizure patients by paramedics. *Prehosp Emerg Care* 2009;13:179-184.
5. **Martin-Gill C**, Guyette FX, Rittenberger JC. Effect of crew size on objective measures of resuscitation for out-of-hospital cardiac arrest. *Prehosp Emerg Care* 2010;14:1-6.
6. **Martin-Gill C**, Roth RN, Mosesso VN. Resident Field Response in an Emergency Medicine Prehospital Care Rotation. *Prehosp Emerg Care* 2010;14:370-376.
7. **Martin-Gill C**, Dilger CP, Guyette FX, Rittenberger JC, Callaway CW. Regional impact of cardiac arrest center criteria on out-of-hospital transportation practices. *Prehosp Emerg Care* 2011;15:381-387.
8. Brice JH, Studnek JR, Bigham BL, **Martin-Gill C**, Custalow CB, Hawkins E, Morrison LJ. EMS provider and patient safety during response and transport: Proceedings of an ambulance safety conference. *Prehosp Emerg Care* 2012;16:3-19.
9. Patterson PD, Weaver M, Frank R, Warner C, **Martin-Gill C**, Guyette F, Fairbanks R, Hubble M, Songer T, Callaway C, Kelsey S, and Hostler D. Association between poor sleep, fatigue, and safety outcomes in Emergency Medical Services providers. *Prehosp Emerg Care* 2012;16:86-97.
10. Patterson PD, Weaver MD, Abebe K, **Martin-Gill C**, Roth R, Suyama J, Guyette FX, Rittenberger J, Krackhardt D, Arnold R, Yealy DM, Lave J. Identification of adverse events in ground transport EMS. *Am J Med Qual* 2012;27:139-146.
11. Katzer R, Cabanas JG, **Martin-Gill C**. Emergency Medical Services Education in Emergency Medicine Residencies: A National Survey. *Acad Emerg Med* 2012;19:174-179.
12. Frisch A, Suffoletto BP, Frank R, **Martin-Gill C**, Menegazzi JJ. Potential utility of near infrared spectroscopy in out-of-hospital cardiac arrest: An illustrative case series. *Prehosp Emerg Care* 2012;16:564-570.
13. Frisch A, Cammarata S, Mosesso VN, **Martin-Gill C**. Multivariate analysis of successful IV placement in the prehospital setting. *Prehosp Emerg Care* 2013;17:46-50.
14. Frisch A, Miller T, Haag A, **Martin-Gill C**, Guyette FX, Suffoletto BP. Diagnostic accuracy of a rapid checklist to identify delirium in older patients transported by EMS. *Prehosp Emerg Care* 2012;17:230-234.
15. Peterson DC, **Martin-Gill C**, Guyette FX, Tobias AZ, McCarthy CE, Harrington ST, Delbridge TR, Yealy DM. Outcomes of medical emergencies on commercial airline flights. *N Engl J Med* 2013;368:2075-83.
16. Patterson PD, Lave JR, **Martin-Gill C**, Weaver MD, Wadas RJ, Arnold RM, Roth R, Mosesso V, Guyette FX, Rittenberger J, Yealy DM. Measuring adverse events in helicopter Emergency Medical Services: Establishing Content Validity. *Prehosp Emerg Care*. In Press (Accepted 5/30/13).

#### PUBLISHED ABSTRACTS

1. **Martin-Gill C**, Brady WJ and Ferguson J. Physician integration into an emergency medical services managed mass gathering event. *Ann Emerg Med* 2005;46(3S):46.
2. **Martin-Gill C**, Mosesso, VN, Roth, RN. Physician scene response in an emergency medicine residency program. *Ann Emerg Med* 2008;52(4S):359.
3. **Martin-Gill C**, Guyette FX, Rittenberger JC. Effect of crew size on objective measures of resuscitation for out of hospital cardiac arrest. *Prehosp Emerg Care* 2010;14(Suppl 1):3-4.
4. Patterson D, **Martin-Gill C**, Weaver MD, Roth RN, Suyama J, Abebe KZ, Guyette FX, Rittenberger JC. Identification of adverse events in ground EMS by medical directors. *Prehosp Emerg Care* 2010;14(Suppl 1):15-16.
5. Cammarata S, Frisch A, Mosesso VN, **Martin-Gill C**. Prehospital IV Line Placement Is Not Associated With Previous Year's Experience. *Prehosp Emerg Care* 2011;15:124-125.

6. **Martin-Gill C**, Dilger CP, Guyette FX, Rittenberger JC, Callaway CW. Regional impact of cardiac arrest center criteria on out-of-hospital transportation practices. *Prehosp Emerg Care* 2011;15:120.
7. Patterson PD, Weaver M, Frank R, **Martin-Gill C**, Guyette F, Suffoletto B, Fairbanks RJ, Hubble M, Wang HE, Hostler D. The relationship between sleep, fatigue, and patient and provider safety. *Prehosp Emerg Care* 2011;15:108-109.
8. Patterson PD, Weaver M, **Martin-Gill C**, Roth R, Guyette F, Rittenberger J, Suyama J, Suffoletto, Fairbanks RJ, Hubble M, Hostler D, Wang HE. Results from the Emergency Medical Services provider and patient safety inventory tool. *Prehosp Emerg Care* 2011;15:129-130.
9. Katzer RJ, **Martin-Gill C**, Cabanas JG. Emergency Medical Services education in Emergency Medicine: A national survey. *Acad Emerg Med* 2011;18(Suppl 1):S56.
10. Hilton MT, Close K, **Martin-Gill C**, Lever J, Swayze D. Asthma disease management demonstration project: Using EMS health coaches may decrease emergency department revisits, length of hospital admissions and costs. *Prehosp Emerg Care* 2012;16:154.
11. Ownbey M, Suffoletto B, **Martin-Gill C**, Frisch A, Guyette FX, Callaway CW. Spontaneous resolution of ST-elevations between prehospital and first hospital ECG. *Prehosp Emerg Care* 2012;16:155.
12. Prunty H, **Martin-Gill C**, Guyette FX. Incidence of prehospital King LTD placement failure and factors present during these events. *Prehosp Emerg Care* 2012;16:156.
13. Peterson DC, **Martin-Gill C**, Guyette FX, Tobias AZ, McCarthy CE, Harrington ST, Yealy DM. Characteristics and outcomes of inflight medical emergencies aboard commercial airlines. *Prehosp Emerg Care* 2012;16:186.
14. Thomas ML, Haag A, Frisch A, Suffoletto B, Seymour CW, **Martin-Gill C**, Guyette FX, Callaway CW. Diagnostic accuracy of unstructured assessments of delirium by prehospital providers. *Prehosp Emerg Care* 2012;16:186-187.
15. Tobias AZ, Guyette FX, Seymour CW, Suffoletto BP, **Martin-Gill C**, Quintero J, Kristan J, Callaway CW, Yealy DM. Identifying critical illness during emergency medical services care. *Ann Emerg Med* 2012;60:S45.
16. Khandhar SJ, **Martin-Gill C**, Javanovich N, Guyette F, Chiu P, Viteri E, Ramratnam M, Zahr F, Lee JS, Marroquin OC, Mulukutla SR, Toma C. Regional system to optimize door-to-balloon times in patients transferred for primary percutaneous coronary intervention. *Circulation* 2012;126:A16050.
17. Frisch A, Suffoletto BP, Frank R, **Martin-Gill C**, Menegazzi JJ. Tissue oximetry during out-of-hospital CPR. *Circulation* 2012;126:A40.
18. **Martin-Gill C**, Prunty H, Ritter S, Carlson JC, Guyette FX. Peak inspiratory pressures during ventilation of the king laryngeal tube airway with a transport ventilator in the prehospital setting. *Prehosp Emerg Care* 2013;17:115.
19. Button S, **Martin-Gill C**, Manole M, Guyette F. Success of out-of-hospital pediatric endotracheal intubations performed by flight nurses and paramedics. *Prehosp Emerg Care* 2013;17:115.
20. Carlson J, Guyette FX, Hostler D, Pinchalk M, **Martin-Gill C**. Derivation of a prehospital difficult airway identification tool: The PreDAIT study. *Prehosp Emerg Care* 2013;17:117.
21. Thompson L, Ritter S, **Martin-Gill C**, Guyette FX. The incidence and character of stroke mimics flown to a tertiary stroke center. *Prehosp Emerg Care* 2013;17:120.
22. Frisch A, Suffoletto BP, Seymour CW, **Martin-Gill C**. Regional distribution of prehospital patients at risk of critical illness. *Prehosp Emerg Care* 2013;17:122.
23. Patterson P, Lave J, Weaver M, **Martin-Gill C**, Guyette FX, Roth R, Rittenberger J, Wadas R, Mosesso RN, Arnold R, Yealy D. A reliable and valid tool for detecting adverse events in helicopter EMS. *Prehosp Emerg Care* 2013;17:125-126.

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## PROFESSIONAL ACTIVITIES

### INVITED PRESENTATIONS (SELECTED)

“Study of risk factors for return visits to the ED within 72 hours, resulting in Admission.” Oral presentation at SAEM Mid-Atlantic Regional Research Meeting.	Mar 15, 2003
“Anticipated use of information resources by EMS providers during a suspected chemical exposure.” Oral presentation at SAEM Mid-Atlantic Regional Research Meeting.	Oct 1, 2004
“Physician integration into an emergency medical services managed mass gathering event” Poster presentation at ACEP National Meeting, Washington, DC.	Sep 26, 2005
“Emergency Delivery” Center for Emergency Medicine Grand Rounds, Pittsburgh, PA	Jul 27, 2006
“Evaluation and Management of the Burned Patient” Center for Emergency Medicine Grand Rounds, Pittsburgh, PA	Mar 29, 2007
“Morbidity and Mortality Conference” Center for Emergency Medicine Grand Rounds, Pittsburgh, PA	Aug 23, 2007
“Chief Resident Case Conference” Center for Emergency Medicine Grand Rounds, Pittsburgh, PA	Sep 13, 2007
“Physician scene response in an Emergency Medicine residency program” Poster presentation at Pennsylvania ACEP, Harrisburg, PA	Apr 7, 2008
“Transient Ischemic Attacks” Center for Emergency Medicine Grand Rounds, Pittsburgh, PA	May 1, 2008
“Prehospital Case Conference” UPMC Mercy Emergency Medicine Grand Rounds, Pittsburgh, PA	Sep 2, 2008
“Interesting Prehospital Cases” Front and Center EMS Conference, Pittsburgh, PA	Dec 5, 2008
“Prehospital Case Conference: Prehospital Twin Delivery” Center for Emergency Medicine Grand Rounds, Pittsburgh, PA	Dec 11, 2008
“Variations in Prehospital Medical Direction” UPMC Mercy Emergency Medicine Grand Rounds, Pittsburgh, PA	Jan 6, 2009
Prehospital Case Conference: Pain Management UPMC Mercy Emergency Medicine Grand Rounds, Pittsburgh, PA	Sep 1, 2009
“Ambulance Safety: Saving Lives Can Kill” Center for Emergency Medicine Grand Rounds, Pittsburgh, PA	Dec 10, 2009
“Vehicle Safety: Keeping Your Patients Safe” UPMC Mercy Hospital EMS Conference, Pittsburgh, PA	Dec 17, 2009
“Effect of Crew Size on Objective Measures of Resuscitation for Out-of-Hospital Cardiac Arrest” Oral presentation, NAEMSP Annual Meeting 2010, Phoenix, AZ	Jan 7, 2010
“Regionalization in Emergency Medicine: Past, Present, and Future” Center for Emergency Medicine Grand Rounds, Pittsburgh, PA	Jan 21, 2010
“‘I Can’t Breathe’: Thinking Outside of the Box with Shortness of Breath” The Tools and the Talent Conference, Canonsburg, PA	Feb 12, 2010
“Regionalization in Emergency Medicine” EMS Update 2010, Seven Springs, PA	Mar 25, 2010
“Hot EMS Topics of 2009”	Apr 28, 2010

Allegheny General Hospital EM Grand Rounds, Pittsburgh, PA "Shortness of Breath Case Review"	Aug 19, 2010
EMS Conference, UPMC Mercy Hospital, Pittsburgh, PA "Visual Diagnosis and Treatment: Orthopedic Emergencies"	Aug 26, 2010
Center for Emergency Medicine Grand Rounds, Pittsburgh, PA "Regionalization of Sudden Cardiac Arrest Care"	Oct 8, 2010
Sudden Cardiac Arrest Association Annual Meeting, Pittsburgh, PA "Prehospital Shock"	Oct 23, 2010
Extreme <sup>3</sup> EMS Experience, Burgettstown, PA "Hot Research Topics in EMS" and "Prehospital Shock"	Dec 16, 2010
UPMC Mercy Hospital EMS Conference, Pittsburgh, PA "AHA 2010 Guidelines Update"	Feb 11, 2011
The Tools and the Talent Conference, Canonsburg, PA "Emergencies You Could Miss" and "Ambulance Safety"	Mar 24-25, 2011
EMS Update 2011, Seven Springs, PA "Building a Quality Improvement System in EMS"	Nov 10, 2011
Allegheny County EMS Leadership Academy "Trauma Triage and Air Medical Transport"	Dec 8, 2011
Center for Emergency Medicine Grand Rounds, Pittsburgh, PA "Emergencies You Could Miss"	Dec 15, 2011
UPMC Mercy Hospital EMS Conference, Pittsburgh, PA "Airline Medical Emergencies"	Mar 22, 2012
EMS Update 2012, Seven Springs, PA "Emergencies You Could Miss"	Mar 22, 2012
EMS Update 2012, Seven Springs, PA "EMS Vehicle Safety: From Wheels to Rotors"	Sep 6, 2012
Center for Emergency Medicine Grand Rounds, Pittsburgh, PA "Peak Inspiratory Pressures During Ventilation of the King Laryngeal Tube Airway with a Transport Ventilator in the Prehospital Setting"	Jan 10, 2013
Poster presentation at NAEMSP annual meeting, Bonita Springs, FL. "Physician Scene Response as an Integral Component of an EMS System"	Jan 12, 2013
NAEMSP annual meeting, Bonita Springs, FL "Emergencies You Could Miss"	Feb 15, 2013
The Tools and The Talent Conference, Mars, PA "Trauma Resuscitation"	Mar 23, 2013
EMS Update 2013, Seven Springs, PA "Emergencies You Could Miss"	Mar 23, 2013
EMS Update 2013, Seven Springs, PA	

## RESEARH

	<u>Grant Title</u>	<u>Role in Project</u>	<u>Years</u>	<u>Source</u>
1.	SAEM /Physio Control EMS Fellowship Grant	Principal Investigator	1 year	Society for Acad EM

## CURRENT RESEARCH INTERESTS

Regionalization of care for patients treated in the out-of-hospital setting  
Identification of critical illness in the prehospital environment  
Quality improvement in prehospital care

## SERVICE

Western Albemarle Rescue Squad, Crozet, VA	1997 – 2005
<b>Crew Captain</b> , 1999-2001	
<b>Member, Training Committee</b> , 2000-2001	
<b>Membership Committee Chairman</b> , 2000-2001	
<b>Member, Board of Directors</b> , 2000-2005	
<b>Paramedic Preceptor</b> , 2001-2005	
Awards:	
<i><b>President's Award</b></i>	2000, 2004
<i><b>Member of the Year Award</b></i>	2000
<b>Assistant Medical Director</b> , City of Pittsburgh Bureau of EMS	2008 – Present
<b>Assistant Medical Director</b> , Pittsburgh Marathon	2008 – Present
<b>Medical Director</b> , Prism Health Services, West Mifflin, PA	2009 – 2011
<b>Medical Director</b> , Seneca Area Emergency Services, Sharpsburg, PA	2009 – Present
<b>Journal Reviewer</b> , Prehospital Emergency Care	2010 – Present

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