

# ECCU2017

Emergency Cardiovascular Care Update  
Presented By  
Citizen CPR Foundation

DECEMBER 5-8, 2017 | CONFERENCE & EXPOSITION



## SAVE MORE LIVES

through high-quality CPR, implementation, and collaboration

A Call to Action...and All That Jazz!

JOIN US AT THE HYATT REGENCY NEW ORLEANS!

Conference December 5-8, 2017 | Pre-Conference December 4-5

Presented by



**CITIZEN CPR  
FOUNDATION**

Helping citizens and communities save lives

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Register now at [eccu2017.com](http://eccu2017.com)! See page 15 for details.

# WELCOME TO ECCU

## DEAR COLLEAGUES,

I am delighted to invite you to join 1,000 of your colleagues for ECCU 2017 in New Orleans, a gathering promoting the art and science of resuscitation and the impact of survival from sudden cardiac arrest.

The Citizen CPR Foundation combines world-class speakers with the latest science and information on the art of resuscitation.

This year, our focus is on fulfilling the critical meaning of our theme, "ECCU 2017: Save more lives through high quality CPR, implementation, and collaboration. A Call to Action...and All that Jazz!"

The primary objective of this conference is to provide a grassroots forum for the exchange of information on ideas, innovations, developments and trends in community CPR and AED programs and resuscitation.

ECCU is the premier conference for hearing the latest science for treating sudden cardiac arrest, learning from top resuscitation and training experts, and understanding what really saves lives. This year's conference will highlight comprehensive strategies for quality

implementation of guidelines at all levels of ECC and community systems.

Attend the many excellent sessions and be sure to be part of our "CPR SAVES LIVES MARCH!"



*Vinay Nadkarni MD*

Vinay Nadkarni, MD, MS  
President, Citizen CPR Foundation

**For more information about the conference, visit [www.eccu2017.com](http://www.eccu2017.com).**

### Who Should Attend ECCU?

- CPR, BLS, PALS, and ACLS instructors
- Nurses in fields of emergency, critical care, and school health
- Hospital Education Program Managers
- CPR and PAD Program Coordinators
- EMS Managers, Firefighters, Chiefs, Training Officers, and PIOs
- EMTs, Paramedics, Dispatchers, and other first responders
- Emergency Physicians, EMS Medical Directors, Cardiologists, Intensivists, and Respiratory Therapists
- Educators, researchers, and scientists
- Survivors, rescuers, community champions, athletic trainers, teachers, and coaches

### Welcome to New Orleans

Come to ECCU 2017 and take advantage of all that New Orleans has to offer. Stay with your colleagues at the beautiful Hyatt Regency New Orleans located in the heart of downtown New Orleans, just a short distance to the city's many attractions and restaurants.



While attending the conference, take time to experience the Big Easy. Walk through the historic French Quarter or visit some of the most popular areas including Bourbon Street, Jackson Square, French Market and the infamous Café Du Monde. Enjoy the cuisine at any of the city's notable restaurants or take time to listen to some New Orleans jazz.

#### Reserve Your Room Today!

A limited number of rooms at the Hyatt Regency New Orleans are available to ECCU attendees at the special nightly rate of \$194.00 (single/double occupancy) until November 17, 2017 or until sold out. See [www.eccu2017.com](http://www.eccu2017.com), Travel & Accommodations, for the passcode link to reserve your room.

#### Transportation

The Hyatt Regency New Orleans is located 14 miles from the airport. Taxi service is available from the airport for a flat rate of \$36 or schedule an airport shuttle pick-up for an average charge of \$24 one-way. Schedule shuttle service at [www.airportshuttleneworleans.com](http://www.airportshuttleneworleans.com).

## PLATINUM SUPPORTERS



# CONFERENCE HIGHLIGHTS

To register, visit [www.eccu2017.com](http://www.eccu2017.com).

## OPENING CEREMONIES & BREAKFASTS

### EXHIBIT HALL SCHEDULE

#### Tuesday, December 5, 2017

7:00 PM – 9:00 PM  
ECCU Opening Reception

#### Wednesday, December 6, 2017

7:00 AM – 6:00 PM  
Exhibit Hall Open

7:00 AM – 8:00 AM  
Breakfast with the Exhibitors

10:05 AM – 10:35 AM  
Morning Break in Exhibit Hall

12:25 PM – 1:45 PM  
Cash/Carry Lunch in Exhibit Hall

3:35 PM – 4:05 PM  
Afternoon Break in Exhibit Hall

#### Thursday, December 7, 2017

7:00 AM – 2:00 PM  
Exhibit Hall Open

7:00 AM – 8:00 AM  
Breakfast with the Experts

10:05 AM – 10:35 AM  
Morning Break in Exhibit Hall

11:25 AM – 12:45 PM  
Cash/Carry Lunch in Exhibit Hall

### 20th Opening Reception Located in the Exhibit Hall

Tuesday, December 5, 2017  
7:00 PM - 9:00 PM

Network with faculty and industry leaders in the ECCU 2017 Exhibit Hall during the very popular Opening Reception! Enjoy appetizers and a beverage as you mingle with your fellow attendees. See the latest in resuscitation technology, education and services presented by industry-leading companies.

### BREAKFAST WITH THE EXHIBITORS

Located in the Exhibit Hall  
Wednesday, December 6, 2017  
7:00 AM – 8:00 AM

### BREAKFAST WITH THE EXPERTS

Located in the Exhibit Hall  
Thursday, December 7, 2017  
7:00 AM – 8:00 AM

## NEW TO ECCU

### PULSEPOINT COMPETITION

Thursday, December 7, 2017  
1:25 PM - 2:15 PM

PulsePoint Technology has been used successfully in systems of care to multiply rescuer response to cardiac arrest, locate AEDs and leverage resources in the community to improve Sudden Cardiac Arrest (SCA) survival. PulsePoint, a 501(c)(3) non-profit foundation, has donated a grant to cover the costs of a complete PulsePoint implementation, including first year costs (valued at more than \$20,000), to be awarded to a community that demonstrates commitment to improving SCA care and outcomes.

Interested communities and representatives are invited to submit entries to win a PulsePoint System. (Go to [www.pulsepoint.org/ECCU](http://www.pulsepoint.org/ECCU) for entry criteria and application). Three communities will be selected in advance of the 2017 ECCU Conference and will present their entries and community plans to compete for the award of the system. Judges will interact with the three finalists on stage to review the merits of their entries and ultimately make an award to the community with the highest score. This is an extraordinary opportunity to acquire the latest technology at a minimal initial investment to improve outcomes in your community.

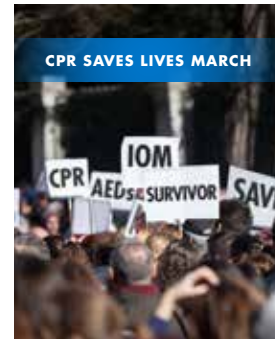
### CPR SAVES LIVES MARCH - NEW ORLEANS STYLE!

Thursday, December 7, 2017  
4:30 PM - 6:30 PM

As part of ECCU this year, all participants will mobilize in our second CPR SAVES LIVES MARCH! Join with more than 50 cardiac arrest survivors who were saved by CPR to bring attention to the hundreds of thousands who could survive with more CPR, more AEDs, and better care. On Thursday, December 7, we will all march together from the Hyatt Regency New Orleans to Duncan Plaza.

CPR  
Saved  
My Life

## EVENTS



At Duncan Plaza, officials and the press will join with us to hear inspirational stories from survivors. Light refreshments will be served, but most importantly, the Citizen CPR Foundation will raise a very public call for

more CPR training, more AED placements and more education so others can live. Help make this important message heard!

Come watch this spectacular event unfold. Join the conversation at #eccu2017.

“Thank you” to **PulsePoint** for their generous support and contribution! PulsePoint is a Gold Supporter of the CPR Saves Lives March. For further information about the march, see [www.eccu2017.com](http://www.eccu2017.com).

### William H. Montgomery, MD, Excellence In Education Award

Friday, December 8, 2017  
12:20 PM - 12:50 PM



Concurrent sessions are eligible to win the William H. Montgomery, MD, Excellence in Education Award, designed to promote the highest level of educational content. This award is named in honor of Dr. Montgomery, who served as co-founder and president of the Citizen CPR Foundation for more than 15 years, and remains on the CCRPF Board as an emeritus member. The award is sponsored by the Laerdal Foundation for Acute Medicine. A plaque and \$1,000 honorarium will be awarded to the lead presenter post conference.

### SUPPORTERS

GOLD -



SILVER - NASCO

BRONZE - HealthStream, Inc.

### MEDIA PARTNERS

PLATINUM

GOLD



# SCHEDULE AT A GLANCE

## PRE-CONFERENCE WORKSHOPS

MON	1:00 PM - 5:00 PM	Telephone CPR	Cardiac Arrest Airway Management	
TUE	8:00 AM - 12:00 PM	Resuscitation Officer Program	EAGLES: Better Ensuring the Chain of Recovery	The Big Easy CPR Training
	1:00 PM - 5:00 PM	Resuscitation Officer Program	EAGLES: Better Ensuring the Chain of Recovery	Preventing Sudden Cardiac Death in Schools and Communities
	2:30 PM - 4:30 PM	Cardiac Arrest Collaborative Town Hall Meeting		

## CONFERENCE OPENING

TUE	5:00 PM - 5:40 PM	Opening Ceremony and Welcome		
	5:40 PM - 6:15 PM	<b>Opening Session – A 2020 Vision: Evolution, Revolution and Novel Solutions in Cardio-Cerebral Resuscitation</b> – <i>Paul Pepe, MD, MPH</i>		
	6:15 PM - 7:00 PM	<b>Keynote Session – In the Eyes of the Beholder...an Epic Resuscitation!</b> – <i>Joe Ornato, MD, FACP, FACC, FACEP; Mimi Peberdy, MD, FACC</i>		
	7:00 PM - 9:00 PM	Opening Reception Extravaganza in the Exhibit Hall		

## SESSIONS

### GENERAL SESSIONS

### EMS: CLINICAL SOLUTIONS & BEST PRACTICES

### IN-HOSPITAL: CLINICAL SOLUTIONS & BEST PRACTICES

WEDNESDAY	7:00 AM - 6:00 PM	Registration Open		
	7:00 AM - 6:00 PM	Exhibit Hall Open		
	7:00 AM - 8:00 AM	Breakfast with the Exhibitors in the Exhibit Hall		
	8:00 AM - 8:25 AM	Welcome and Introductory Remarks		
	8:25 AM - 9:15 AM	<b>Hans H. Dahll Award Presentation / Saving More Lives Together</b> – <i>Tore Laerdal</i>		
	9:15 AM - 10:05 AM	<b>T-CPR: What We Know Works...No-No-Go!.....and What Doesn't!</b> – <i>Thomas Rea, MD, MPH; Ben Bobrow, MD</i>		
	10:05 AM - 10:35 AM	Morning Break in the Exhibit Hall		
	10:35 AM - 11:25 AM		T-CPR: What We Know Works...No-No-Go!.....and What Doesn't! Break-Out (Plenary Follow Up)	Developing a Hospital Based Resuscitation Team and Educational Program
	11:35 AM - 12:25 PM		EAGLES: Best Practices in Street Medicine	Mechanical CPR: The Challenges of Science and Implementation
	12:25 PM - 1:45 PM	Lunch on Your Own / Exhibit Hall Open		
1:45 PM - 2:35 PM	<b>Door to Balloon Time...the C.A. in C.A.TH LAB Stands for Cardiac Arrest!</b> – <i>Karl Kern, MD</i>			
2:45 PM - 3:35 PM		EAGLES (continued)	<b>SPLIT SESSION:</b> Increase the Proficiency of Nursing Staff Conducting CPR / Practice Makes Perfect! Implementing Mock Codes in Hospitals	
3:35 PM - 4:05 PM	Afternoon Break in the Exhibit Hall			
4:05 PM - 4:55 PM		EAGLES (continued)	Door to Balloon Time... the C.A. in C.A.TH LAB Stands for Cardiac Arrest!	
THURSDAY	7:00 AM - 6:00 PM	Registration Open		
	7:00 AM - 2:00 PM	Exhibit Hall Open		
	7:00 AM - 8:00 AM	Breakfast with the Experts in the Exhibit Hall		
	8:00 AM - 8:25 AM	Welcome and Introductory Remarks		
	8:25 AM - 9:15 AM	<b>If at First You Don't Succeed...Lessons Learned by the Resuscitation Academy and Global Resuscitation Alliance for the Real World</b> – <i>Thomas Rea, MD;</i>		
	9:15 AM - 10:05 AM	<b>Inspire the World... RESTART A HEART... Every Day!</b> – <i>Sophie Skellet, MD</i>		
	10:05 AM - 10:35 AM	Morning Break in the Exhibit Hall		
	10:35 AM - 11:25 AM		If at First You Don't Succeed...Lessons Learned by the Resuscitation Academy and Global Resuscitation Alliance for the Real World: Break-Out (Plenary Follow Up)	Driven by Data - Improving CPR Outcomes Through Code Team Training
	11:25 AM - 12:55 PM	Lunch on your Own/Exhibit Hall Open		
	12:55 PM - 1:25 PM	<b>Come One, Come All...Learn More about the Ascent to the AHA Education Summit</b> – <i>Adam Cheng, MD; Farhan Bhanji, MD, MSc (Ed)</i>		
1:25 PM - 2:15 PM	<b>Innovation in Resuscitation - Leveraging Digital Strategies to Improve Survival Rates from SCA; and PulsePoint Competition</b> – <i>Marion Leary, MPH, MSN;</i>			
2:25 PM - 3:15 PM		Using PulsePoint to Improve Community Emergency Response	Which Came First, the Trauma or the Cardiac Event?	
3:25 PM - 4:15 PM		Applying Hands-On-Chest Time Standards in the Emergency Medical Dispatch Center	The In-Hospital Implementation of the Pit Crew Resuscitation Model	
4:30 PM - 6:30 PM	<b>CPR SAVES LIVES MARCH - New Orleans Style!</b>			
FRIDAY	7:00 AM - 12:00 PM	Registration Open		
	8:00 AM - 8:30 AM	Welcome and Introductory Remarks; People Saving People Award, <i>Mary Newman, MS, President, Sudden Cardiac Arrest Foundation</i>		
	8:30 AM - 9:20 AM	<b>Reaching Millions: The Future of CPR Education</b> – <i>Jack McMaster, MBA; Brian Eigel, PhD; Vinay Nadkarni, MD, MS (Moderator)</i>		
	9:20 AM - 10:10 AM	<b>Citizen CPR Foundation's Task Force on SCA in Youth</b> – <i>Stuart Berger, MD; Allison Thompson; Robb Rehberg, PhD, ATC, NREMT; Martha Lopez-Anderson;</i>		
	10:20 AM - 11:10 AM		Verified Responder Program - Lessons Learned	<b>SPLIT SESSION:</b> ACS (Acute Cognitive Syndrome): Aggregation and Adhesions to Learning / Stroke Signs/Symptoms not Picked Up by FAST Exam
	11:20 AM - 12:10 PM		<b>SPLIT SESSION:</b> Access Denied! Failures in Automated External Defibrillator Deployment / PAD 101: Building Community AED Programs from the Ground Up	Mobile Technology Links EMS to ED to the Cath Lab
12:20 PM - 12:50 PM	Award Announcement and Closing Remarks			

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## Thursday, December 7, 2017

7:00 AM – 2:00 PM Exhibit Hall Open

7:00 AM – 8:00 AM Breakfast with the Experts

10:05 AM – 10:35 AM Morning Break in Exhibit Hall

11:25 AM – 12:45 PM Cash/Carry Lunch in Exhibit Hall

Bleeding Control for Lay Responders

COMMUNITY: PREPARE, RESPOND, SURVIVE & THRIVE

EDUCATION/SIMULATION: INSTRUCTOR TOOLS AND TRAINING

LATEST RESEARCH AND SCIENCE

WORKPLACE

SEE NEXT PAGE FOR LIGHTNING ROUNDS

**SPLIT SESSION:** SCA Awareness and Messaging Study: Creating a Culture of Action / Surviving Sudden Cardiac Arrest - What's Next?

**SPLIT SESSION:** Kids to Grandparents - What Infant CPR Techniques Make A Difference / San Ramon Valley Fire HeartSafe Committee 7th Grade CPR/AED Program

Cutting Edge Advances in Resuscitation Science

Workplace Health Achievement Index - Best Practices for Building a Workplace Culture of Health

**Split Session:** Resources, Barriers and Recommendations for Implementing School CPR-AED Programs / Moving Everyone Forward Together: CPR in Schools

Overview of the Simulation Process: How Do I Do This?

Saving More Lives: Cutting Edge Science

How to Build a Medical Emergency Response Plan and a Fully-Functioning Response Team

Culture Change and Accountability: Practical Essentials for Global SCA Survival

Review of CPR Skill Deterioration and Methods to Improve Quality

Challenges and Progress for Community-Based Resuscitation: Examples from HeartRescue Consortium

First Aid: The Forgotten Topic?

Moving the Needle: A Web-Based Toolkit

Is Education Driving Outcomes or are Outcomes Driving Education

Saving Fragile Hearts

**SPLIT SESSION:** CPR and AEDs: Surviving Cardiac Arrest in the Workplace / First Aid at Work - First Aid from Compliance to Best Practices

*Freddy Lippert, MD; Teri Campbell, RN, BSN, CEN, CFRN; Terry Vanden Hoek, MD*

### SCIENTIFIC ABSTRACTS

Inspire the World...RE-START A HEART... Every Day! Break-Out (Plenary Follow Up)

**SPLIT SESSION:** Using Metrics to Get "Back to Basics" in Resuscitation / Post Event Feedback to Improve CPR Quality

CPR Measurement and Feedback by Smartphone Camera / HeartSafe Communities: Increasing Pre-Ambulance CPR/AED Use Through Community Based Initiatives / Making the Grade: Hospital CARES Report Cards

What We've Learned About Corporate and Public Access CPR/AED Response

*Audrey Blewer, MPH; Richard Price*

Road To Recovery: Surviving SCA and the Emotional Aftermath

Come One, Come All...Learn More about the Ascent to the AHA Education Summit: Break-Out #1

CARES Database and Improving Survival

Cardiac Arrest in Canada - A National Response

Come One, Come All...Learn More about the Ascent to the AHA Education Summit: Break-Out #2

Review of Post-Cardiac Arrest Targeted Temperature Management Evidence and Guidelines

*Victoria Vetter, MD; Jeff Ranous; Mary Newman, MS*

**SPLIT SESSION:** Improving Bystander CPR, Community Mobilization and Outreach Using Media Influence / Mentoring Millennials: How to Develop the Next Gen SCA Fight

Come One, Come All...Learn More about the Ascent to the AHA Education Summit: Break-Out #3

Improving Patient Outcomes: Creating a Lean Culture of Continuous Improvement

Bleeding Control for Lay Responders

**SPLIT SESSION:** School CPR: Not as Easy as ABC, Without Enough 123 / Kids Teaching Kids to Save Lives

Cheating Death: Improving Statewide Cardiac Survival in Maryland Using CARES

# LIGHTNING ROUNDS

WEDNESDAY	LR I - REGIONAL 10:35 AM - 11:25 AM	LR II 11:35 AM - 12:25 PM	LR III - CPR IN SCHOOLS 2:45 PM - 3:35 PM	LR IV - SURVIVOR 4:05 PM - 4:55 PM	
	Successful Hands-Only CPR and AED Use Training in Northeast Georgia	Chain of Survival - It Really Works - Case Study	Project ADAM: Preparing Schools for a Cardiac Emergency	Survivors - Shocked into Speaking	
	Quality CPR in Mexico!	Success Stories - Using Data to Save Lives	Updates on Sudden Death in the Young Case Registry	When Emotions Set in for Survivors of Cardiac Arrest	
	Critical Link: CPR/AED Education and SCA Survival in Rural America	Using Virtual Reality to Observe Bystander Response to Cardiac Arrest	Could We Create a National Campaign to "Start the Beat"?		
THURSDAY	LR V - CPR IN SCHOOLS 10:35 AM - 11:25 AM	LR VI - SURVIVOR 2:25 PM - 3:15 PM	LR VII - CPR IN SCHOOLS 2:25 PM - 3:15 PM	LR VIII 3:25 PM - 4:15 PM	LR IX - BYSTANDER/DISPATCHER 3:25 PM - 4:15 PM
	Educational Methodology for CPR Instruction: Learning and Teaching Styles	1st Rescue Drone Delivery of AEDs & More	ACT Foundation: Finding Funds for Your School CPR Program	How I Survived a Cardiac Arrest	An EMS-Led Sudden Cardiac Arrest Bystander Debriefing Program: BPASM
	Small Team Practice During CPR Class	GotAED: A New Approach to Access	School-Based CPR/AED Training and Cardiac Emergency Response Plans	Cardiac Arrest Survivor	The Launch of the First Cardiac Arrest Bystander Support Network
Trip to Improving Outcomes: One Destination for Pilot, Crew, Passengers	Does Proximity to the Nearest AED Influence Bystander Shock Probability?	CPR in Schools: What Does the Evidence Show?	"Don't Give Up"	Insights from a Dispatcher-Assisted Lay Rescuer	
FRIDAY	LR X - SURVIVOR 10:20 AM - 11:10 AM	LR XI - LEARNING 10:20 AM - 11:10 AM	<div data-bbox="688 890 1576 1226" data-label="Complex-Block"> <p>visit our NEW web site <a href="http://citizencpr.org">citizencpr.org</a></p> <p>The definitive community resource for lifesaving.</p>  </div>		
	Surviving the Survival	Fostering Intention to Act in an Emergency Using Hybrid Learning			
	Survivor Kits - Resources for Survivors and their Families	How Incorporating Behavioral Science Principles Increases Lay Rescuer SCA Response			
Taking Care of the Caregiver: What About Us?	Diagramming Skill Sessions for Instructor Success				

# PRE-CONFERENCE WORKSHOPS

## MONDAY DECEMBER 4, 2017 WORKSHOPS

### Cardiac Arrest Airway Management

Colby Rowe, MS, NRP, FP-C; Lauren Maloney, MD; Rudolph Princi, Paramedic; Sahar Ahmad, MD  
1:00 PM - 5:00 PM Fee: \$120

This expert-driven, interactive, and hands-on airway management workshop will challenge you to try a variety of advanced airway techniques to maximize airway control and ventilation when managing sudden cardiac arrest. Review recent advances in airway management, practice advanced techniques such as video laryngoscopy, learn utility of ultrasound in airway management, and increase survival from sudden cardiac arrest.

### Telephone CPR

Ben Bobrow, MD; Micah Panczyk; Helge Myklebust; Tonje Soraas Birkenes  
1:00 PM - 5:00 PM Fee: \$120

Telephone CPR (T-CPR), where call-takers provide CPR instructions and coaching to 9-1-1 callers who witness or encounter an out-of-hospital cardiac arrest (OHCA), is independently associated with improved patient outcomes. Please join the experts from the Save Hearts in Arizona Registry and Education (Share) Program as they examine the relationship between 9-1-1 callers and call-takers. These parties form the first link in the Chain of

Survival and must understand each other's roles and responsibilities if they are to give OHCA patients the best chance of survival. Callers should be prepared to answer two questions to assess the patient's status: "Is the patient conscious?" and "Is the patient breathing normally?" Call-takers, in turn, should be prepared to calmly assert themselves to control calls and to provide continuous CPR coaching to lay rescuers on scene. Such coaching can serve as real-time audio feedback that can create and maintain good bystander CPR quality until professional rescuers assume care.

# TUESDAY DECEMBER 5, 2017

## WORKSHOPS

### EAGLES: Better Ensuring the Chain of Recovery

Paul Pepe, MD, MPH, Dallas, TX;  
David E. Persee, MD, Houston, TX;  
Jonathan Jui, MD, MPH, Portland, OR;  
Jeffery M. Goodloe, MP, NRP, Oklahoma City/Tulsa, OK;  
Christopher B. Colwell, MD, San Francisco, CA;  
Jeffery M. Elder, MD, New Orleans, LA;  
Kennerth A. Schepple, MD, Palm Beach, FL;  
Peter M. Antevy, MD, Greater Broward  
EMS Medical Directors Association (GBEMDA)  
8:00 AM - 12:00 PM; 1:00 PM - 5:00 PM  
Fee: \$250



The highly-respected "Eagles" consortium, a de facto coalition of the jurisdictional EMS (9-1-1 system) medical directors from the nation's

largest cities, regularly present distinct challenges to accepted practice. With creative approaches to problem-solving, they have routinely changed worldwide practices. In this session, several of the "Eagles" will report on some of the latest discussions from this cutting-edge group.

### Resuscitation Officer Program

Vinay Nadkarni, MD, MS; Dana Niles, MS;  
Edward Stapleton, EMT-P; Karl Kern, MD;  
Tom Aufderheide, MD; David Hiltz, EMT-P  
8:00 AM - 12:00 PM; 1:00 PM - 5:00 PM  
Fee: \$250



The organization and management of modern hospital code programs has become a fairly complex

task. This 8-hour certificate program is designed to prepare physicians, nurses and other healthcare professionals to organize and implement hospital and community-wide resuscitation programs. The program will include: organizing code committees and code teams, maintaining infrastructure, integrating key elements including ultrasound, therapeutic hypothermia, post resuscitation PCI, and ECMO, provider training, conducting mock codes, and comprehensive CQI. A "must" program for Hospital Code Teams Chairs!

### The Big Easy CPR Training

Maureen O'Connor; Lorelee Olejnik, MA, EMT-B  
8:00 AM - 12:00 PM  
Fee: \$120

This workshop will cover steps to organizing large-scale, mass-CPR training events. From identifying locations, equipment and community partners to mobilizing staff and volunteers, attendees will learn the basics of how to pull off large-scale CPR trainings. This workshop will be interactive and give participants practical advice, as well as motivate them to start planning their own training upon returning home.

### Lunch On Your Own

12:00 PM - 1:00 PM

### Preventing Sudden Cardiac Death in Schools and Communities

Richard Lamphier, RN  
1:00 PM - 5:00 PM  
Fee: \$120

This session will focus on how to develop and implement a school-based CPR/AED training and CERP program. The presentation will identify partners, key stakeholders, funding opportunities, pitfalls, successes, and lessons learned.

### Bleeding Control for Lay Responders

Erik Ward, 18D, Special Forces Medical Sergeant  
1:00 PM - 5:00 PM  
Fee: \$120

If you teach CPR, you can stop the bleed! Attendees will learn bleeding control in order to teach as an add-on to their CPR training, or as a standalone course. The material is tailored to the lay responder as recommended by the White House's "Stop the Bleed Campaign". This campaign is a federal initiative that aims to save lives and build resiliency in our communities, specifically on hemorrhage control.

### Cardiac Arrest Collaborative Town Hall Meeting

Tom Aufderheide, MD; Lance Becker, MD;  
Lana Gant, PhD; Jack McMaster, MBA;  
(Moderators: Clifton Calloway, MD;  
Richard Bradley, MD)  
2:30 PM - 4:30 PM  
Fee: No Charge

Town Hall Meeting to hear the latest on the progress of the national Cardiac Arrest Collaborative.

# TUESDAY DECEMBER 5, 2017

# OPENING CEREMONY AND WELCOME

5:00 PM - 5:40 PM

Vinay Nadkarni, MD, MS, President, CCPRF; Ed Stapleton, EMT-P, Program Chair, ECCU 2017;  
Dana Niles, MS, Program Co-Chair, ECCU 2017; Jeff Elder, MD and Janick Lewis, Co-Chairs, Local Planning Committee

## OPENING SESSION

A 2020 Vision: Evolution, Revolution and Novel Solutions in Cardio-Cerebral Resuscitation

Paul Pepe, MD, MPH  
5:40 PM - 6:15 PM



In a characteristic entertaining, envelope-pushing talk, Dr. Paul Pepe, a vanguard resuscitation scientist for the past four decades, will present his latest vision for several evolving concepts in cardio-cerebral resuscitation. After detailing key caveats regarding how we arrived at our conventional wisdom and current understanding of CPR practices, he will then reconcile those with certain innovative approaches that may significantly change what we do today, giving a vision of what we may be teaching and practicing in the not too distant future.

## KEYNOTE

In the Eyes of the Beholder....an Epic Resuscitation!

Joe Ornato, MD, FACP, FACC, FACEP; Mimi Peberdy, MD, FACC  
6:15 PM - 7:00 PM



Join us for a spellbinding first-hand account through a survivor and rescuer's eyes. Leading resuscitation experts and CPR champions, Drs. Joe Ornato and Mimi Peberdy will inspire you with their heroic and personal E-CPR story, revealing what it was like to be saved by the amazing system of care they created in Richmond! Beyond the mechanics of resuscitation...come be inspired!

## OPENING RECEPTION EXTRAVAGANZA

Located in the Exhibit Hall  
7:00 PM - 9:00 PM

# CONFERENCE SCHEDULE

## WEDNESDAY DECEMBER 6, 2017

### Registration Open

7:00 AM - 6:00 PM

### Exhibit Hall Open

7:00 AM - 6:00 PM

### Breakfast with the Exhibitors

Located in the Exhibit Hall

7:00 AM - 8:00 AM

### Welcome & Introductory Remarks

Vinay Nadkarni, MD, MS, President, CCPRF; Ed Stapleton, EMT-P, Program Chair, ECCU 2017; Dana Niles, MS, Program Co-Chair, ECCU 2017

8:00 AM - 8:25 AM

## HANS H. DAHL AWARD PRESENTATION & LECTURE

### Hans H. Dahl Award Presentation - Tore Laerdal, recipient

Vinay Nadkarni, MD, MS; Tore Laerdal

8:25 AM - 9:15 AM



The late Hans H. Dahl was a founding director of the Citizen CPR Foundation and served on the Board of Directors from its inception in 1987 until 2000. The Foundation created the prestigious Hans H. Dahl Award in his honor and has presented the award at every ECCU conference since 1990.

This prestigious award will be presented to Tore Laerdal, in recognition of his outstanding contributions and leadership in globally advancing the field of resuscitation, research, education, collaboration and life saving techniques. Tore Laerdal is Chairman of Laerdal Medical, and Executive Director of the Laerdal Foundation for Acute Medicine.

### Saving More Lives - Together

Tore Laerdal

8:25 AM - 9:15 AM



Several hundred thousand more lives could be saved every year by widespread implementation of best practice training and therapy in treating patients suffering

from sudden cardiac arrest, severe trauma and life-threatening complications during birth. This presentation will review some global programs and partnerships that can significantly contribute to this.

**“Presentations from the most respected leaders in cardiac care”**

**“The education was endless and I got to meet the inventor of CPR!”**

**“Worth every minute.”**

*meeting attendees*

## GENERAL SESSION

### T-CPR : What We Know Works...No-No-Go!..... and What Doesn't!

Thomas Rea, MD, MPH; Ben Bobrow, MD

9:15 AM - 10:05 AM



Telephone CPR (T-CPR) isn't a binary approach – on or off, do it or don't do it. In fact, implementing an impactful telephone CPR program requires leaders to consider multiple factors such as culture, training, technology and process. In this session, leaders from Seattle and King County (WA) and the Arizona SHARE Program share practical suggestions for implementing an effective and lifesaving T-CPR program. Using a maturity model to describe the implementation journey, the faculty provide a clear road map for improving no matter if you're just getting started or an experienced emergency call center looking to optimize your performance.



### Morning Break in the Exhibit Hall

10:05 AM - 10:35 AM

## CONCURRENT SESSIONS

### EMS: CLINICAL SOLUTIONS & BEST PRACTICES

#### T-CPR: What We Know Works...No-No-Go!..... and What Doesn't! Break-Out (Plenary Follow Up)

Thomas Rea, MD, MPH; Ben Bobrow, MD

10:35 AM - 11:25 AM

This session is a follow up to the general session of the same name to allow audience participation. Interact with the experts, ask questions and provide suggestions that have been successful in your community!

### IN-HOSPITAL: CLINICAL SOLUTIONS & BEST PRACTICES

#### Developing a Hospital Based Resuscitation Team and Educational Program

Nicole Kupchik, MN, RN, CCNS, CCRN, PCCN, CMC;

Chris Laux, RN, MSN, CCRN, PCCN, ACNS-BC

10:35 AM - 11:25 AM

Quick team assembly and code blue management will improve patient outcomes if the team consists of predetermined healthcare staff, which are assigned specific code blue tasks, and have training in those tasks. This session reviews the evidence-based practice as it pertains to a resuscitation team's role delineation, training, and to leadership/communication/teamwork enhancement strategies.

## COMMUNITY: PREPARE, RESPOND, SURVIVE & THRIVE

SPLIT SESSION: 10:35 AM - 11:25 AM

### SCA Awareness and Messaging Study: Creating a Culture of Action

Mary Newman, MS;

Jennifer Chap, Dispatcher-Assisted Lay Rescuer

In 2015, we conducted landmark research that reveals a significant lack of public awareness/ understanding of SCA and the urgency for CPR/AED intervention. When exposed to a clear definition of SCA, interest in learning CPR/AED skills increases dramatically. Hear how in 2017, we build upon learnings with national quantitative/qualitative research to investigate messaging strategies that resonate and move the public to action.

### Surviving Sudden Cardiac Arrest - What's Next?

Mary Newman, MS; Kelly Sawyer, MD

This session will describe the results of a pilot study conducted among sudden cardiac arrest survivors and their loved ones, exploring their psycho-social perceptions of life in the aftermath of cardiac arrest. It will also propose interventions and resources that can meet the needs of survivors, their loved ones, and the larger support system.

## EDUCATION/SIMULATION: INSTRUCTOR TOOLS & TRAINING

SPLIT SESSION: 10:35 AM - 11:25 AM

### Kids to Grandparents - What Infant CPR Techniques Make A Difference

Jeffery Pellegrino, PhD, MPH, MS, BS, EMT/FF;

Rita Burke, PhD, MPH;

Jonathan Epstein, MEMS, NREMT-P

Community responders come in all shapes and sizes, some with long fingernails, some living far away from EMS. This crossover study compared Two-Finger (TF) v. Two-Thumb-Hand Encircling (TT) compression techniques. Learn the pros and cons of each as well as the benefits of Community Participatory Research approach.

### San Ramon Valley Fire HeartSafe Committee 7th Grade CPR/AED Program

Joe Farrell, PT, M App Sc, DPT, FAAOMPT, FAPTA

This presentation will offer the history of the HeartSafe Committee of the San Ramon Valley Fire Protection District (SRVFPD) along with an overview of our seventh grade "Hands Only" CPR and AED training program. Learn how this component of the P.E. curriculum of the San Ramon Valley School District (SRVSD) has resulted in 3,000 seventh graders being instructed per year since 2013.



# WEDNESDAY DECEMBER 6, 2017 continued

## LATEST RESEARCH & SCIENCE

### Cutting Edge Advances in Resuscitation Science

Joe Ornato, MD, FACP, FACC, FACEP

10:35 AM - 11:25 AM

This session will describe and discuss the latest science relating to clinical resuscitation with an emphasis on applying these discoveries to high-performance regional systems of resuscitation.

## WORKPLACE

### Workplace Health Achievement Index - Best Practices for Building a Workplace Culture of Health

Chris Calitz, MPP

10:35 AM - 11:25 AM

The Workplace Health Achievement Index assesses policies and programs that support heart health in the workplace. Data will be presented on how comprehensive workplace health programs based on culture of health best practices can improve the heart health, productivity, and engagement of the workforce.

## Transition

11:25 AM - 11:35 AM

## EMS: CLINICAL SOLUTIONS & BEST PRACTICES

### EAGLES: Best Practices in Street Medicine

Paul Pepe, MD, MPH, Dallas, TX; David E. Persee, MD, Houston, TX; Jonathan Jui, MD, MPH, Portland, OR; Jeffery M. Goodloe, MP, NRP, Oklahoma City/Tulsa, OK; Christopher B. Colwell, MD, San Francisco, CA; Jeffery M. Elder, MD, New Orleans, LA; Kennerth A. Schepple, MD, Palm Beach, FL; Peter M. Antevy, MD, Greater Broward EMS Medical Directors Association (GBEMDA)

Session 1: 11:35 AM-12:25 PM

Session 2: 2:45 PM - 3:35 PM

Session 3: 4:05 PM -4:55 PM



The so-called "Eagles" Coalition (medical directors of the largest U.S.

EMS Systems) have been designing / promoting effective prehospital resuscitative strategies that have consistently advanced emergency cardiovascular care worldwide. Perennially, one of the most popular day-long tracks, the Eagles always generate active audience discussion with creative approaches that not only routinely change management practices, but also inspire attendees to do the same!

**"Learning the "whys" from the Resuscitation Giants: Invaluable!"**

**"Keeps you on the cutting edge of emergency cardiac care."**

*meeting attendees*

## IN-HOSPITAL: CLINICAL SOLUTIONS & BEST PRACTICES

### Mechanical CPR: The Challenges of Science and Implementation

Thomas Rea, MD, MPH; Michael Levy, MD

11:35 AM - 12:25 PM

This debate-style presentation will summarize the results of the clinical trials involving mechanical CPR within the context of the pitfalls and opportunities of real-world implementation. The session will provide useful context for stakeholders to consider if and how mechanical CPR may be integrated in care to improve resuscitation.

## COMMUNITY: PREPARE, RESPOND, SURVIVE & THRIVE

SPLIT SESSION: 11:35 AM - 12:25 PM

### Resources, Barriers and Recommendations for Implementing School CPR-AED Programs

Allison Thompson, BS, CHES; Robb Rehberg, PhD, ATC, NREMT; English Flack, MD

Leaders from the Citizen CPR Foundation's Task Force on SCA in Youth will highlight and discuss recommendations for successful implementation of comprehensive CPR-AED programs in schools. Learn about multiple resources available to support program implementation.

### Moving Everyone Forward Together: CPR in Schools

Jeff Ranous; Mary Newman, MS

Leaders from the Citizen CPR Foundation's Task Force on SCA in Youth will highlight and discuss strategies and policies to ensure all students in all 50 states have equal opportunity to be trained in CPR prior to high school graduation.

## EDUCATION/SIMULATION: INSTRUCTOR TOOLS & TRAINING

### Overview of the Simulation Process: How Do I Do This?

Jonathan Howard, RN, BSN, MAT, CEN, CHSE, NR-P

11:35 AM - 12:25 PM

Simulation is a structured educational experience. Creating a simulation involves educational goals, scenario creation, preparation, providing the simulation experience, debriefing, and simulation improvement. This presentation will walk participants through the steps of creating a simulation. Participants are encouraged to come to the presentation with their own simulation concept that they want to develop.

## LATEST RESEARCH & SCIENCE

### Saving More Lives: Cutting Edge Science

Richard Bradley

11:35 AM - 12:25 PM

What is the latest in resuscitation science? This fast-paced presentation will provide an overview of the latest research in the field of resuscitation science. We will discuss the latest in airway management, BLS, ACLS, and post-arrest management. Also included will be considerations of how the research will affect practice and what it means to the practitioner in the field or hospital.

## WORKPLACE

### How to Build a Medical Emergency Response Plan and a Fully-Functioning Response Team

Robb Rehberg, PhD, ATC, NREMT

11:35 AM - 12:25 PM

This session will provide an overview of how to create and implement a comprehensive emergency response plan. Learn about the role the emergency response plan plays in business continuity, and best practices for organization, development, and deployment of a fully-functional medical emergency response team (MERT).

## Lunch On Your Own / Exhibit Hall Open

12:25 PM - 1:45 PM

## GENERAL SESSION

### Door to Balloon Time....the C.A. in C.A.TH LAB Stands for Cardiac Arrest

Karl Kern, MD

1:45 PM - 2:35 PM



The majority of adults suffering out-of-hospital cardiac arrest have an underlying coronary artery problem, often an acute coronary occlusion. The role of the cath lab in their successful resuscitation and post arrest care will be discussed. The future of a 'scoop and run' paradigm shift to facilitate a hyper-invasive approach for some patients will be explored.

## Transition

2:35 PM - 2:45 PM

## CONCURRENT SESSIONS

## EMS: CLINICAL SOLUTIONS & BEST PRACTICES

### EAGLES: Best Practices in Street Medicine (continued from morning session)

Paul Pepe, MD, MPH, Dallas, TX; David E. Persee, MD, Houston, TX; Jonathan Jui, MD, MPH, Portland, OR; Jeffery M. Goodloe, MP, NRP, Oklahoma City/Tulsa, OK; Christopher B. Colwell, MD, San Francisco, CA; Jeffery M. Elder, MD, New Orleans, LA; Kennerth A. Schepple, MD, Palm Beach, FL; Peter M. Antevy, MD, Greater Broward EMS Medical Directors Association (GBEMDA)

2:45 PM - 3:35 PM

# CONFERENCE SCHEDULE

## WEDNESDAY DECEMBER 6, 2017 continued

### IN-HOSPITAL: CLINICAL SOLUTIONS & BEST PRACTICES

SPLIT SESSION: 2:45 PM - 3:35 PM

#### Increase the Proficiency of Nursing Staff Conducting CPR

*Penny Gunter, MSN, RN*

Survival among patients who suffer in-hospital cardiac arrest (HCA) remains suboptimal. The use of real-time feedback during demonstration and practice of CPR is beneficial to improving the proficiency of nursing staff conducting CPR. Learn about an eight week project that included fifty registered nurses on a medical surgical unit, where improvement was statistically significant.

#### Practice Makes Perfect! Implementing Mock Codes in Hospitals

*Nicole Kupchik, MN, RN, CCNS, CCRN, PCCN, CMC;*

*Chris Laux, RN, MSN, CCRN, PCCN, ACNS-BC*

Hospital resuscitation events are challenging for numerous reasons; varied levels of experience, teams don't always know each other, and the issues of crowd control. Mock codes are an effective way for a hospital to evaluate the response to resuscitation events and identify system and training issues. This presentation will focus on the steps needed to implement mock codes.

### COMMUNITY: PREPARE, RESPOND, SURVIVE & THRIVE

#### Culture Change and Accountability: Practical Essentials for Global SCA Survival

*Tom Holloway, PhD*

2:45 PM - 3:35 PM

How can we realistically achieve a comprehensive culture change to greatly increase SCA survival? This presentation discusses a framework and tools for change, based on practical social science research, proven internationally to solve problems in such diverse fields as SCA response, hospital acquired infections, criminal recidivism, etc. We also include tools for effective accountability discussions when people don't meet expectations.

### EDUCATION/SIMULATION: INSTRUCTOR TOOLS & TRAINING

#### Review of CPR Skill Deterioration and Methods to Improve Quality

*Audrey Blewer, MPH; Benjamin Abella, MD, MPhil*

2:45 PM - 3:35 PM

CPR quality varies considerably and skills deteriorate over time. Investigations suggest that frequent training may improve CPR skills. This presentation will incorporate a review of CPR quality, and examples of skill deterioration. From there, it will discuss methods to improve CPR skill deterioration in laypersons. Examples will include well-vetted text and visuals as well as findings from our previous investigation.

### LATEST RESEARCH & SCIENCE

#### Challenges and Progress for Community-Based Resuscitation: Examples from HeartRescue Consortium

*Thomas Rea, MD, MPH*

2:45 PM - 3:35 PM

This presentation highlights the challenges and progress to date of the US HeartRescue Consortium, a collective striving to improve care for OHCA. The Consortium includes 15 states that are working to achieve comprehensive statewide participation to measure and improve resuscitation. The experience provides a wealth of lessons-learned as stakeholders work to engage community, EMS, and hospitals.

### WORKPLACE

#### First Aid: The Forgotten Topic?

*Jonathan Epstein, MEMS, NREMT-P;*

*Richard Bradley*

2:45 PM - 3:35 PM

In the workplace we have made fantastic strides with CPR and AEDs over the past decade, but what about first aid? This session will explore the need for a balanced approach to assessment within first aid education and how bleeding control, including the need for hemorrhage control kits next to the AEDs, should be more than just a consideration.

### Afternoon Break in the Exhibit Hall

3:35 PM - 4:05 PM

### EMS: CLINICAL SOLUTIONS & BEST PRACTICES

#### EAGLES: Best Practices in Street Medicine (continued from afternoon session)

*Paul Pepe, MD, MPH, Dallas, TX; David E. Persee, MD, Houston, TX; Jonathan Jui, MD, MPH, Portland, OR; Jeffery M. Goodloe, MP, NRP, Oklahoma City/Tulsa, OK; Christopher B. Colwell, MD, San Francisco, CA; Jeffery M. Elder, MD, New Orleans, LA; Kennerth A. Schepple, MD, Palm Beach, FL; Peter M. Antevy, MD, Greater Broward EMS Medical Directors Association (GBEMDA)*

4:05 PM - 4:55 PM

### IN-HOSPITAL: CLINICAL SOLUTIONS & BEST PRACTICES

#### Door to Balloon Time...the C.A. in C.A.TH LAB Stands for Cardiac Arrest: Break-Out (Plenary Follow Up)

*Karl Kern, MD*

4:05 PM - 4:55 PM

This session is a follow up to the general session of the same name to allow audience participation.

### COMMUNITY: PREPARE, RESPOND, SURVIVE & THRIVE

#### Moving the Needle: A Web-Based Toolkit

*Martha Lopez Anderson; Victoria Vetter, MD*

4:05 PM - 4:55 PM

Leaders from the Citizen CPR Foundation's Task Force on SCA in Youth will present a web-based toolkit featuring community and school programs, scientific articles, legislative initiatives and other resources that will help move the needle in survival from SCA in youth.

### EDUCATION/SIMULATION: INSTRUCTOR TOOLS & TRAINING

#### Is Education Driving Outcomes or are Outcomes Driving Education

*Kostas Alibertis, NR-P; Ryan Shercliffe*

4:05 PM - 4:55 PM

Point - counterpoint presentation analyzes the evolution and components of resuscitation training programs. How have we evaluated the effectiveness of these programs? Have courses changed to keep pace with clinical advances, optimized learning outcomes, or both? Are participant reactions, learning, behavior and results driving instructional design and delivery - or are we shooting in the dark hoping for a hit?

### LATEST RESEARCH & SCIENCE

#### Saving Fragile Hearts

*Joe Rossano, MD*

4:05 PM - 4:55 PM

Pediatric cardiologist Dr. Joe Rossano will discuss the critical need for improving survival in children with chronic heart disease.

### WORKPLACE

SPLIT SESSION: 4:05 PM - 4:55 PM

#### CPR and AEDs: Surviving Cardiac Arrest in the Workplace

*Robb Rehberg, PhD, ATC, NREMT*

When it comes to sudden cardiac arrest (SCA), the workplace is a unique setting that includes key features that distinguish it from other settings. This session will highlight these features, review the importance of having AEDs in the workplace, and discuss the development of emergency plans to address the possibility of SCA onsite.

#### First Aid at Work - First Aid from Compliance to Best Practice

*Robb Rehberg, PhD, ATC, NREMT*

This program will address the role of first aid and CPR in the workplace, first aid compliance, best practices, and the impact a workplace first aid and CPR program can have on survival of sudden cardiac arrest.

***"Exceptional delivery of content by industry leaders"***

***"The most useful and informative conference I have attended."***

*meeting attendees*

# THURSDAY DECEMBER 7, 2017

## Registration Open

7:00 AM - 6:00 PM

## Exhibit Hall Open

7:00 AM - 2:00 PM

## Breakfast with the Experts

Located in the Exhibit Hall

7:00 AM - 8:00 AM

### Welcome & Introductory Remarks

Vinay Nadkarni, MD, MS, President, CCRPF;  
Ed Stapleton, EMT-P, Program Chair;  
Dana Niles, MS, Program Co-Chair, ECCU 2017  
8:00 AM - 8:25 AM

## GENERAL SESSION

### If at First You Don't Succeed... Lessons Learned by the Resuscitation Academy and Global Resuscitation Alliance for the Real World

Thomas Rea, MD; Freddy Lippert, MD;  
Teri Campbell, RN, BSN, CEN, CFRN;  
Terry Vanden Hoek, MD  
8:25 AM - 9:15 AM



This session will focus on the challenges of improving cardiac arrest response. While the elements of resuscitation science and training are well understood, programmatic implementation remains a challenge. Learn from

experts and come away with a strategy to improve cardiac arrest survival in your community.

## GENERAL SESSION

### Inspire the World... RE-START A HEART DAY...Every Day!

Sophie Skellet, MD  
9:15 AM - 10:05 AM



Over 30,000 people in the UK every year suffer a cardiac arrest outside hospital and less than 10% survive. If a bystander starts CPR immediately the chances of survival double. On October 18, 2016, the Resuscitation Council (UK), British Heart Foundation and other agencies together with all 14 UK ambulance Trusts came together to create 'Restart a Heart Day' with volunteers training young people CPR in schools, hospitals and community groups across the country. Learn about what worked well, pitfalls to avoid, and lessons learned in the organizing and staging of the event, the largest ever UK CPR training initiative of its kind creating 150,581 more lifesavers in the UK.

## Morning Break in the Exhibit Hall

10:05 AM - 10:35 AM

### EMS: CLINICAL SOLUTIONS & BEST PRACTICES

#### If at First You Don't Succeed...Lessons Learned by the Resuscitation Academy and Global Resuscitation Alliance for the Real World: Break-Out (Plenary Follow Up)

Thomas Rea, MD; Freddy Lippert, MD;  
Teri Campbell, RN, BSN, CEN, CFRN;  
Terry Vanden Hoek, MD  
10:35 AM - 11:25 AM

This session is a follow up to the general session to allow audience participation.

### IN-HOSPITAL: CLINICAL SOLUTIONS & BEST PRACTICES

#### Driven By Data - Improving CPR Outcomes Through Code Team Training

Renee Matos, MD, MPH; Raquel Trevino;  
Heather Delaney  
10:35 AM - 11:25 AM

High-quality CPR is the primary component influencing outcomes following a cardiac arrest, although few hospitals are tracking metrics. This course outlines the development of a dedicated simulation-based code team training course that focuses on CPR quality and other gaps in performance, which resulted in improved translational outcomes.

### COMMUNITY: PREPARE, RESPOND, SURVIVE & THRIVE

#### Inspire the World...RE-START A HEART DAY... Every Day! Break-Out (Plenary Follow Up)'

Sophie Skellet, MD  
10:35 AM - 11:25 AM

This session is a follow up to the general session of the same name to allow audience participation.

### EDUCATION/SIMULATION: INSTRUCTOR TOOLS & TRAINING

#### SPLIT SESSION: 10:35 AM - 11:25 AM Using Metrics to Get "Back to Basics" in Resuscitation

Cheryl Camacho, NRP; Tracy Reagan

In situ simulations provide educators an opportunity to address quality of basic/advanced life support delivered in hospitals. We will provide strategies on how to select and use metrics to address critical resuscitation education gaps identified through in situ simulations. We will review best practices related to resuscitation education and address solutions related to barriers of implementation.

#### Post-Event Feedback to Improve CPR Quality

Nicole Kupchik, MN, RN, CCNS, CCRN,  
PCCN, CMC; Carrie Burkhart

Survival of in-hospital cardiac arrest remains dismal at 25%. The literature suggests good quality CPR, early defibrillation with minimal pre and post shock pauses make a difference in outcomes. Faculty will discuss how the use of post-event review utilizing feedback on compression rate, depth, pauses and shocks can make a difference in CPR quality.

## WORKPLACE

### What We've Learned About Corporate and Public Access CPR/AED Response

Ray Jarris, MD; Ann Jarris, MD;  
Sally Wootton, RN, CCRN

10:35 AM - 11:25 AM

Corporate and public access defibrillation programs have saved thousands of lives since AEDs became available to lay responders. However, most of the data regarding this program are simple survival statistics. This presentation will review the elements contributing to response success, important trends and benchmarks for continuing program improvement from the perspective of the medical oversight and support provider.

## Lunch On Your Own / Exhibit Hall Open

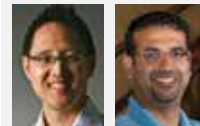
11:25 AM - 12:55 PM

## GENERAL SESSION

### Come One, Come All...Learn More about the Ascent to the AHA Education Summit

Adam Cheng, MD; Farhan Bhanji, MD, MSc (Ed)  
12:55 PM - 1:25 PM

This session will cover overall best practices, implementation considerations and research gaps associated with resuscitation education strategies.



## GENERAL SESSION

### Innovation and Resuscitation - Leveraging Digital Strategies to Improve Survival Rates from SCA; and PulsePoint Competition

Marion Leary, MPH, MSN; Audrey Blewer, MPH;  
Richard Price

1:25 PM - 2:15 PM



Digital strategy expert Marion Leary will present how technology can enhance EMS systems and help improve survival rates. This will be followed by presentations by the three finalists in the PulsePoint competition on why they should be eligible for the donation of the PulsePoint "Respond" app. A panel of judges will ask questions and the winner will be announced at the last plenary on Friday.

## Transition

2:15 PM - 2:25 PM

# CONFERENCE SCHEDULE

## THURSDAY DECEMBER 7, 2017 continued

### CONCURRENT SESSION

#### EMS: CLINICAL SOLUTIONS & BEST PRACTICES

##### Using PulsePoint to Improve Community Emergency Response

Richard Price

2:25 PM - 3:15 PM

Chief Price was eating lunch when someone nearby collapsed in cardiac arrest. But Price didn't do CPR - because he didn't know anyone needed help until after EMS arrived. So Price created an app called PulsePoint, which communication centers use to alert nearby citizens. In this session, Price will show how the foundation is helping communities engage the public and save lives.

#### IN-HOSPITAL: CLINICAL SOLUTIONS & BEST PRACTICES

##### Which Came First, The Trauma or the Cardiac Event?

Colby Rowe, MS, NREMT-P; Lauren Maloney

2:25 PM - 3:15 PM

This session will focus on the use of case scenarios to discuss the pathophysiology of blunt cardiac trauma, how to recognize it, and current clinical practice guidelines on how to manage it. By the end of the session, participants will have a broader differential diagnosis in both trauma patients and patients presenting with cardiac complaints.

#### COMMUNITY: PREPARE, RESPOND, SURVIVE & THRIVE

##### Road To Recovery: Surviving SCA and the Emotional Aftermath

Josh Fischer, EMT-P; Juliet Olson-Batista

2:25 PM - 3:15 PM

When it comes to the emotional response of a significant life event, the range of experiences can vary greatly. We will discuss consistencies in symptoms and chronology of survivor recovery, and identify ways in which we can use this data to offer better resources and support to those affected by SCA.

#### EDUCATION/SIMULATION: INSTRUCTOR TOOLS & TRAINING

##### Come One, Come All...Learn More about the Ascent to the AHA Education Summit: Break-Out #1

Betsy Hunt, MD; Dana Niles, MS

2:25 PM - 3:15 PM

This session will summarize best practices, implementation considerations, and knowledge gaps in regards to repetitive practice, spaced learning, and contextual learning from AHA's Education Summit.

#### LATEST RESEARCH & SCIENCE

##### CARES Database and Improving Survival

Joe Rosanno, MD; Rita Burke, PhD, MPH

2:25 PM - 3:15 PM

Overview of the CARES Database and discussion on how it can drive changes to improve survival.

#### Transition

3:15 PM - 3:25 PM

#### EMS: CLINICAL SOLUTIONS & BEST PRACTICES

##### Applying Hands-On-Chest Time Standards in the Emergency Medical Dispatch Center

Chris Olola, PhD; Greg Scott; Isabel Gardett;

Meghan Broadbent

3:25 PM - 4:15 PM

As the importance of dispatcher-assisted CPR becomes increasingly clear, new guidelines and recommendations are being proposed for improving dispatchers' hands-on-chest time. This presentation presents best practices for applying the new standards, measuring dispatch-assisted hands-on-chest time, and improving both time to hands-on-chest and the percentage of cardiac arrest calls receiving dispatcher-assisted CPR. Hear about case studies and research findings to support the recommendations.

#### IN-HOSPITAL: CLINICAL SOLUTIONS & BEST PRACTICES

##### The In-Hospital Implementation of the Pit Crew Resuscitation Model

James Colquitt, PhD, RRT-ACCS, NREMT, CHSOS;

Angela Walker, MSN, RN - BC;

Nancy Haney, AAS, NREMT

3:25 PM - 4:15 PM

In-hospital code blue events are quite different than those in the EMS and emergency room settings. Observations during in situ simulations revealed hurdles to fully maximize the function of the Pit Crew Resuscitation model. Learn from faculty how by supplementing AHA courses with content focused on addressing these hurdles, rapid improvements in adherence to the PCR team structure was achieved.

#### COMMUNITY: PREPARE, RESPOND, SURVIVE & THRIVE

##### Cardiac Arrest in Canada - A National Response

Andrew MacPherson, BSc, MD, CCFP(EM), FCFP;

Jim Christensen, MD, FRCPC

3:25 PM - 4:15 PM

Canadian Red Cross and Heart and Stroke Foundation of Canada are the two largest CPR educators in Canada. Learn how they collaborate and facilitate national strategies to improve the public and professional response to cardiac arrest to continue to improve survival rates.

#### EDUCATION/SIMULATION: INSTRUCTOR TOOLS & TRAINING

##### Come One, Come All...Learn More about the Ascent to the AHA Education Summit: Break-Out #2

Farhan Bhanji, MD, MSc (Ed); Adam Cheng, MD;

Mary Elizabeth Mancini, PhD, RN

3:25 PM - 4:15 PM

This session will summarize best practices, implementation considerations, and knowledge gaps in regards to feedback, debriefing, assessment, and faculty development from AHA's Education Summit.

#### LATEST RESEARCH & SCIENCE

##### Review of Post-Cardiac Arrest Targeted Temperature Management Evidence and Guidelines

Audrey Blewer, MPH

3:25 PM - 4:15 PM

This presentation will focus on the discussion of post-cardiac arrest targeted temperature management given the recent studies and guidelines. The speaker will specifically focus on studies that have occurred in the past four years, 2015 guidelines, and include thoughts on current implementation. The discussion will include both pre-and in-hospital cooling.

## CPR SAVES LIVES MARCH - NEW ORLEANS STYLE!

4:30 PM - 6:30 PM

Join ECCU participants, survivors and other community leaders as we march together from the Hyatt Regency to Duncan Plaza to bring attention to the hundreds of thousands who could survive with more CPR, more AEDs, and better care! At Duncan Plaza, officials and the press will join to hear inspirational stories from survivors.



visit our NEW web site  
**citizencpr.org**

The definitive community resource for lifesaving.



*"A heart-lifting experience of networking, education, and inspiration from the stories of survivors and their rescuers."*

*meeting attendee*

# FRIDAY DECEMBER 8, 2017

## Registration Open

7:00 AM - 12:00 PM

8:00 AM - 8:25 AM

### Welcome & Introductory Remarks

Vinay Nadkarni, MD, MS, President, CCRPF;  
Ed Stapleton, EMT-P, Program Chair;  
Dana Niles, MS, Program Co-Chair, ECCU 2017;

### People Saving People Award Presentation

Mary Newman, MS,  
Sudden Cardiac Arrest Foundation  
The winner will be announced and the award presented by the Sudden Cardiac Arrest Foundation.

## GENERAL SESSION

### Reaching Millions:

#### The Future of CPR Education

Vinay Nadkarni, MD, MS (Moderator);  
Brian Eigel, PhD; Jack McMaster

8:30 AM - 9:20 AM



Fantastic strides have been made with tech enabled CPR and AED education over the past decade, but what about first aid? This session

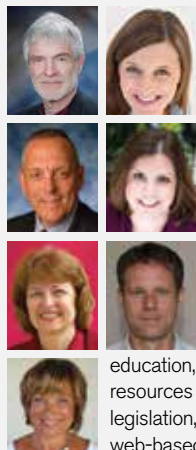
will explore the opportunity for enhanced learning technologies to increase learner retention of FA/CPR/AED and other first aid education, including incorporating bleeding and hemorrhage control skills into lesson plans.

## GENERAL SESSION

### Citizen CPR Foundation's Task Force on SCA in Youth

Stuart Berger, MD; Allison Thompson;  
Robb Rehberg, PhD, ATC, NREMT;  
Martha Lopez-Anderson; Victoria Vetter, MD;  
Jeff Ranous; Mary Newman, MS

9:20 AM - 10:10 AM



Dr. Stu Berger, one of the nation's premier pediatric cardiologists, will lead this session of expert faculty in summarizing the work of the Citizen CPR Foundation Task Force on SCA in Youth with a focus on school CPR-AED programs and advocacy initiatives. The session will highlight state legislation efforts for CPR-AED programs and student

education, informational / educational resources to augment the advocacy for legislation, comprehensive programs, a web-based toolkit, and strategies and policies to ensure all students in all 50 states have equal opportunity to be trained in CPR prior to high school graduation.

## Transition

10:10 AM - 10:20 AM

## EMS: CLINICAL SOLUTIONS & BEST PRACTICES

### Verified Responder Program - Lessons Learned

Mohamud Daya, MD, MS

10:20 AM - 11:10 AM

The PulsePoint Verified Responder program was launched in February 2017 by Tualatin Valley Fire & Rescue in partnership with King County EMS, the PulsePoint Foundation and Philips Health Care. This presentation will review the core elements of the program and lessons learned to date.

## IN-HOSPITAL: CLINICAL SOLUTIONS & BEST PRACTICES

SPLIT SESSION: 10:20 AM - 11:10 AM

### ACS (Acute Cognitive Syndrome):

#### Aggregation and Adhesions to Learning

Amy Turner, BSN; Kostas Alibertis, NR-P

When your students leave a class like ACLS, are they prepared to function appropriately in the next code? Presenters will describe a quaternary care hospital's challenges to deliver resuscitation education including low knowledge retention, preparation hurdles, and mismatches between class structure and bedside application. Discussion will include awareness of the problem, treatment, and prevention techniques focusing on optimizing outcomes.

### Stroke Signs/Symptoms not Picked Up by FAST Exam

Rebecca Valentine, BS, EMT-P, I/C, NCEE

On arrival, you note that your patient has facial droop and your mind immediately goes to a working diagnosis of a cerebrovascular accident. Are you assessing enough by just doing the F.A.S.T. exam? We will discuss additional types of evaluation which may pick up different aspects of stroke difference in CPR quality.

**"I walked away armed with practical knowledge!"**

**"Best national opportunity for cardiac emergency preparedness."**

**"Great opportunity to network with ground breaking scientists, advocates and survivors."**

*meeting attendees*

## COMMUNITY: PREPARE, RESPOND, SURVIVE & THRIVE

SPLIT SESSION: 10:20 AM - 11:10 AM

### Improving Bystander CPR, Community Mobilization and Outreach Using Media Influence

David Hiltz, NR, EMT-P; Dave Tranchida

For many cardiac arrest survival advocates, the idea of regular newspaper columns dedicated to improving cardiac arrest outcomes is as heady as the scent of fresh newsprint. The bad news is that shrinking circulation and bottom-line management are making it tougher for would-be columnists to place related content in coveted spots in dailies. This session will demystify the process for attendees.

### Mentoring Millenials: How to Develop the Next Gen SCA Fight

Loralee Olejnik, MA, EMT-B

The Millennials are the future of SCA reduction. The challenge presented is how to reach them today. This presentation will address practical strategies and ideas for crafting and targeting educational and mentorship efforts towards young adults. Leveraging technology, social media, and understanding the psyche of their generation are all critical components to growing tomorrow's leaders.

## EDUCATION/SIMULATION: INSTRUCTOR TOOLS & TRAINING

### Come One, Come All...Learn More about the Ascent to the AHA Education Summit: Break-Out #3

Vinay Nadkarni, MD, MS; Audrey Blewer, MPH  
10:20 AM - 11:10 AM

This session will summarize best practices, implementation considerations, and knowledge gaps in regards to knowledge exchange, implementation, and educational innovation from AHA's Education Summit.

## LATEST RESEARCH & SCIENCE

### Improving Patient Outcomes: Creating a Lean Culture of Continuous Improvement

David Berry, PhD, AT, ATC; Christine Noller, JD, LLM  
10:20 AM - 11:10 AM

Lean is a multi-faceted model requiring organizations to exercise effort along several dimensions simultaneously to improve patient quality and efficiency. When executed properly, Lean transforms how an organization and employees work, creating an avid quest for quality improvement and ultimately patient safety. However, Lean as a quality improvement philosophy has just begun to transcend Emergency Medical Services.

## Transition

11:10 AM - 11:20 AM

# CONFERENCE SCHEDULE

## FRIDAY DECEMBER 8, 2017 continued

### CONCURRENT SESSION

#### EMS: CLINICAL SOLUTIONS & BEST PRACTICES

SPLIT SESSION: 11:20 AM - 12:10 PM

##### **Access Denied! Failures in Automated External Defibrillator Deployment**

*David Hiltz, NR, EMT-P*

This presentation will examine current practices in early defibrillation strategies including defibrillation by law enforcement and PAD models. While millions of defibrillators have been placed in public venues, many victims are not defibrillated in a timely fashion. The presenter will discuss why current practices fall short of expectations, and highlight emerging new strategies to improve access, time to defibrillation and outcomes.

##### **PAD 101: Building Community AED Programs from the Ground Up**

*Loralee Olejnik, MA, EMT-B*

You have been tasked with launching a PAD program in your community. Where to begin? This presentation will identify and explain the basic elements of successful community AED programs. Attendees will leave with a clear action plan on how to implement, maintain, and ensure the longevity of this lifesaving community resource.

#### IN-HOSPITAL: CLINICAL SOLUTIONS & BEST PRACTICES

##### **Mobile Technology Links EMS to ED to the Cath Lab**

*Gigi Deweese; E. Stein Bronsky; Robert Dickson*

11:20 AM - 12:10 PM

Miscommunication is a leading cause of medical errors, yet little has been done to improve this process for victims of SCA. Upon successful resuscitation, EMS, ER staff and cardiology teams must work together quickly to assess and treat the patient. Learn how two separate systems reduced errors and ensured the entire team was aligned.

#### COMMUNITY: PREPARE, RESPOND, SURVIVE & THRIVE

##### **Bleeding Control for Lay Responders**

*Eric Ward, 18D, Special Forces Medical Sergeant*

11:20 AM - 12:10 PM

If you teach CPR you can stop the bleed! "Stop the Bleed" Campaign is a federal initiative that aims to save lives and build resiliency in our communities. The campaign was launched by the White House to provide bystanders with the ability to act in emergency situations. Whether that situation is hemorrhage control or SCA, the lay responder should be prepared. This workshop is directed at all instructors, specifically those teaching CPR to the lay responder. Learn from key opinion leaders from around the United States about the latest curriculum available for teaching bleeding control in order to create greater community resiliency.

#### EDUCATION/SIMULATION: INSTRUCTOR TOOLS & TRAINING

SPLIT SESSION: 11:20 AM - 12:10 PM

##### **School CPR: Not as Easy as ABC, Without Enough 123**

*Teri Campbell, RN, BSN, CEN, CFRN; Marina Del Rios*

A difficult barrier is addressing the unfunded CPR in school mandate. States struggle to provide students the basic core subjects. How can challenged school systems find the resources to meet State mandates? Attend this fun lecture to learn how your State can provide schools with the educational and financial support they need to make CPR in Schools an A+ success for teaching bleeding control in order to create greater community resiliency.

##### **Kids Teaching Kids to Save Lives**

*Pamela Foster, RN; Brycen Go; Bailey Chan*

Kids 4 CPR, formerly Hawaii Heart Foundation, is a 501(c)3 established in 2010 with the mission to improve cardiac arrest survival rates. This presentation will showcase a program of the Foundation which is based on teaching lifesaving CPR and AED use in schools, designed to help turn sudden cardiac arrest (death) statistics upside down!

#### LATEST RESEARCH & SCIENCE

##### **Cheating Death: Improving Statewide Cardiac Survival in Maryland Using CARES**

*Kevin Seaman, MD, FACEP, FAEMS*

11:20 AM - 12:10 PM

Wide disparities exist in cardiac arrest core performance measures and contribute to extreme variations in patient outcome. Kevin Seaman reports on success at a state level using electronic patient care report information, coupled with hospital partnership, utilizing project management techniques to successfully implement Cardiac Arrest Registry to Enhance Survival (CARES) in Maryland. Initial data establishes the baseline survival.

#### Transition

12:10 PM - 12:20 PM

### AWARD ANNOUNCEMENT & CLOSING REMARKS

12:20 PM - 12:50 PM

#### **ECCU Video Minute Contest Award Winner**

*Ed Stapleton, CCFRF; Mary Newman, SCAF*

The top five ECCU Public Service Announcements will be recognized and the contest winner announced!

#### **ECCU 2017 Conference Recap**

*Vinay Nadkarni, MD, MS, President, CCFRF;*

*Ed Stapleton, EMT-P, Program Chair, ECCU;*

*Dana Niles, MS, Program Co-Chair 2017*

## CONFERENCE LEARNING OBJECTIVES

**Each conference session's topic and presentation material will link to one or more of the following conference learning objectives:**

1. Describe three (3) ways to educate citizens that can lead to a comprehensive change in culture to improve CPR training in the community, schools and workplace.
2. List and describe how to implement three (3) elements of a comprehensive dispatch CPR program.
3. List and describe three (3) ways to advance Public Access AED placement and utilization.
4. List and describe three (3) components of a high quality collaborative cardiovascular and resuscitation program in a dispatch, EMS and/or healthcare system that has demonstrated improvement in survival for treating bleeding control in order to create greater community resiliency from SCA.
5. List and describe three (3) strategies for implementing data collection and quality improvement in an ECC system.
6. Describe three (3) strategies for implementing effective support systems for cardiac arrest victims, survivors and their families.
7. List and describe one or more survivor/rescuer stories that can be used to illustrate an effective chain of survival for cardiac arrest.

# REGISTER NOW

## REGISTRATION INFORMATION

Register  
by Sept 22  
to Save

### Method of Registration

Pre-register online at [www.eccu2017.com](http://www.eccu2017.com) or register on-site at the registration desk, Monday, December 4 through Friday, December 8.

### Registration for the full ECCU Conference includes:

- Educational sessions
- Admittance to the Exhibit Hall
- Access to the ECCU Opening Reception in the Exhibit Hall
- Continental breakfasts and refreshment breaks in the Exhibit Hall

Lunch is not included with your registration. However, *Cash and Carry* lunch options will be available in the Exhibit Hall on Wednesday, December 6 and Thursday, December 7.

### Confirmation

Once you have registered, you will be sent a confirmation email. When you receive your confirmation, please check the spelling of your name and the events for which you have registered to ensure they are correct. The information in your confirmation email will be used for your name badge. If there is an error, please do not re-register. Instead, contact the CCPRF registrar at [info@eccuconference.com](mailto:info@eccuconference.com) or (913) 906-7026. If you do not receive a confirmation email, please contact the registrar to verify your registration.

### Group Discounts

Group discounts are available with full conference registration only. Discounts only apply to attendees from the same agency AND the same location who register together. Group discounts can be used with Early Bird registration but cannot be combined with other promotions or discounts.

- More than 3 Person Discount (same agency/same location)  
\$25 off per person

### Badge/Conference Information

All attendees who register in advance may pick up their badge and registration materials at the CCPRF Registration Desk upon checking-in at the conference.

### Questions

If you have questions regarding registration, please contact the CCPRF registrar at [info@eccuconference.com](mailto:info@eccuconference.com) or (913) 906-7026.

### CONFERENCE FEES

<b>Early Bird Full Conference Registration</b> (register by September 22, 2017)	\$570
<b>Full Conference Registration</b> (register September 23, 2017 and later)	\$595
<b>Survivors</b>	\$60 per day/ \$175 full conference
<b>One-Day</b>	\$275 per day
<b>Two-Day</b>	\$500
<b>Exhibit Hall Only</b>	\$25 per day
<b>Guest Registration</b> (includes Opening Reception and Breakfast with the Experts only)	\$95
<b>Opening Reception Only</b>	\$50

### PRE-CONFERENCE PROGRAM FEES

<b>Half-Day Pre-Conference</b>	\$120
<b>Full-Day Pre-Conference</b>	\$250
<b>Cardiac Arrest Collaborative Town Hall Meeting</b>	NO CHARGE

### Cancellations and Refunds

All cancellations must be submitted in writing. Written cancellation can be emailed to [info@eccuconference.com](mailto:info@eccuconference.com), faxed to 913.402.1771 or mailed to CCPRF Headquarters (7304 W. 130th Street, Suite 370, Overland Park, KS 66213). Verbal cancellations will not be accepted. CCPRF will provide a cancellation number for confirmation.

If you have not submitted payment and do not attend the conference, the full registration fee will be due if written cancellation is not received by Sunday, November 26, 2017.

If you have submitted payment and written cancellation is received by CCPRF on or before Sunday, November 26, 2017, your registration fee will be refunded less \$100 processing fee. No refunds will be made after Sunday, November 26, 2017. CCPRF will not apply payments to future conferences.

### The Americans with Disabilities Act (ADA) Statement on Special Needs

The Citizen CPR Foundation is committed to making ECCU 2017 accessible to all individuals. If you need auxiliary aid(s) or service(s) as identified in the Americans with Disabilities Act or have a dietary restriction, please describe your needs in the conference registration form or send an email to [info@eccuconference.com](mailto:info@eccuconference.com). Most requests can be accommodated if notification is received by November 10, 2017.

### The Citizen CPR Foundation History and Mission

The Citizen CPR Foundation (CCPRF) was founded in 1987 to strengthen the Chain of Survival and serve as host for the biennial ECCU Conference. The mission of the Citizen CPR Foundation is to save lives from sudden cardiac arrest by stimulating effective community, professional, and citizen action. CCPRF has been educating instructors and resuscitation practitioners on current CPR and ECC guidelines for over 25 years. CCPRF's founding partners are: the American Heart Association, the American Red Cross and the Heart and Stroke Foundation of Canada.



### Continuing Education Accreditation

The ECCU program is approved by the Center for Healthcare Education, Inc. for continuing education credit for EMTs, Paramedics and Nurses. Center for Healthcare Education, Inc. is a nationally recognized provider of quality continuing education courses. The content of each session and qualifications of each speaker have been approved by a panel of medical experts to ensure participants receive up-to-date information relevant to the practice of emergency medicine and pre-hospital care. Participants will receive hour for hour continuing education credit for successful completion as required by national regulatory agencies. International participants will receive an official certificate upon completion that meets and exceeds continuing education requirements established by the United States. Accreditation is provided for Nurses (CEP# 11246) and EMT/ Paramedics (CAEMSA# 33-0011) through the Center for Healthcare Education, Inc.



7304 W. 130th Street, Suite 370  
Overland Park, KS 66213  
www.eccu2017.com

# ECCU2017

Emergency Cardiovascular Care Update  
Presented By  
Citizen CPR Foundation

**Conference December 5-8**

**Pre-Conference December 4-5**

Hyatt Regency New Orleans · New Orleans, Louisiana

## PROGRAM HIGHLIGHTS

- Learn the latest science and cutting edge strategies for education, program implementation and quality improvement from world-renowned experts.
- Hear about “Restart a Heart Day”, the CPR training initiative creating 150,500 lifesavers across the UK in one day!
- Create a worldwide network with faculty and colleagues. Join 1000 in beautiful New Orleans, the city known as the birthplace of jazz!

**REGISTER EARLY AND SAVE \$25 OR MORE!**

**Visit [www.eccu2017.com](http://www.eccu2017.com)**

# JOIN THE CALL TO ACTION

**ECCU2017 **  
Emergency Cardiovascular Care Update  
Presented By  
Citizen CPR Foundation

**SAVE MORE LIVES**  
through high-quality CPR, implementation, and collaboration



**“Come join the Citizen CPR Foundation’s parade of Resuscitation Science, Training and Implementation experts, as we discuss the challenges and solutions to improve the chain of survival in EVERY system. This will be the most interactive, controversial and exciting conference that stimulates ACTION in every home, school, EMS system, hospital and community! Don’t miss it!”**

Vinay Nadkarni, MD, MS  
President, Citizen CPR Foundation  
Endowed Chair, Anesthesia and Critical Care Medicine, University of Pennsylvania Perelman School of Medicine  
Co-Chair, International Liaison Committee on Resuscitation (ILCOR)

