



# 2021 CARDIAC ARREST SURVIVAL SUMMIT

DECEMBER 7th-10th, 2021  
*in San Diego*



## SCHEDULE-AT-A-GLANCE

View the full agenda at [citizencpr.org/cardiac-arrest-survival-summit-2021](http://citizencpr.org/cardiac-arrest-survival-summit-2021)



The Cardiac Arrest Survival Summit is the only opportunity to learn, collaborate on and implement the latest resuscitation science across the full chain of survival. Take your seat at the table alongside the widest array of resuscitation education, science and implementation leaders, influencers and decision-makers to help save more lives.

- 80+ sessions and workshops across 4 tracks
- 60+ qualified sessions to earn CEs

SUPPORTED BY:



American Heart Association®



American Red Cross



Heart&Stroke™

## *Reconnect and Recharge*

Register Here: <http://bit.ly/CCPRFSummit2021>

## Pre-Conference Workshops | MONDAY, DEC 6th, 2021

8:00 AM - 5:00 PM

### Advanced Law Enforcement Emergency Cardiac Response Workshop

Brandon Griffith, Tim Freund, Richard L. Grant

### Community Resuscitation Officer - A "Swiss Army Knife" for HEARTSafe Communities

Joshua Smith, AAS, NRP, Michael Van Beek, James Hempstead

## Pre-Conference Workshops | TUESDAY, DEC 7th, 2021

8:00 AM - 12:00 PM

### American Red Cross First Aid/CPR/AED Instructor Bridging and Skills Boost [ Instructor Session ]

David Markenson, MD, MBA

### Resuscitation Academy Alumni Event (open to non-alumni)

8:00 AM - 5:00 PM

### HEARTSafe Community Workshop – A Blueprint for Sudden Cardiac Arrest Survival

David B. Hiltz, Joshua Smith, AAS, NRP, James C. Suozzi, DO, Kimberly Harkins, MPH, Brandon Oto, PA-C, NREMT, Richard C. Shok, RN, Sandra Zambon, Jerry Overton, MPA, Christopher Sun, PhD, Mark Link, MD, Richard Price, MPA, Brian Platz, Lorelee Olejnik, MA, Fredrik Folke, MD, PhD, Pamela Dodson, RN, Deon Vigilance, MD, John Pilakas, NRP, NP, and Monica Kleinman, MD

### Post-Arrest Care: A Practical Workshop for ED and Hospital Based Providers

Benjamin S. Abella, MD, MPhil, Sarah M. Perman, MD, John Greenwood, MD

1:00 PM - 5:00 PM

### AHA Healthcare Quality Network: A Culture of Resuscitation Excellence

Kevin Seaman, MD, FAEMS, Jennifer Hayes, MSN, RN, CCRN-K, Ryan Coute, DO

### Heart Safe School Workshop

Alli J. Thompson, MBA, Richard M. Lamphier, RN

## ★ SUMMIT 2021 BEGINS! ★

5:00 PM - 5:25 PM

### Opening Ceremonies and Welcome

### Plenary Sessions

5:25 PM - 6:15 PM

### Brave New World - Taking a Stand for SCA in a Post COVID World

Benjamin S. Abella, MD, MPhil, Lance Becker, MD, Brent Meyers, MD, MPH; Moderated by Marina Del Rios, MD

6:15 PM - 7:00 PM

### What Happens in the Pit? High Performance Teams and CPR

Invited Celebrity Speaker

7:00 PM - 9:00 PM

### Summit Opening Reception Extravaganza

WEDNESDAY, DEC 8th, 2021

7:00 AM - 5:00 PM

### Registration Open

7:00 AM - 8:00 AM

### Breakfast with the Exhibitors

8:00 AM - 8:25 AM

### Welcome and Introductory Remarks

### Plenary Sessions

8:25 AM - 9:15 AM

### Hans H. Dahll Award Presentation – Charting a Career in Resuscitation Science: From Vivid Memories to Crystal Ball

Vinay Nadkarni, MD, MS

9:15 AM - 10:05 AM

### Build Your Emergency Mind: Learning to Apply Knowledge Under Pressure

Dan Dworkis, MD, PhD

10:05 AM - 10:35 AM

### Morning Break in the Exhibit Hall

10:35 AM - 11:25 AM

### Community Strategies & Survivorship: Engagement, Awareness & Support

### From Survival to Survivorship: The Journey for Survivors and Caregivers

Mary M. Newman, MS, Jennifer Chap

### Resuscitation Education: Science, Implementation and Innovation

### Hot Topics in CPR: Heads-Up CPR, Pediatric Ventilation Rate, Double Sequential Defibrillation

Jane Wigginton, MD, Ashish Panchal, MD, PhD, Alexis Topijan, MD

### Hospital: Clinical Challenges & Innovations

### Prescription CPR: Targeting At-Risk Populations and Likely Bystanders for CPR and AED Training

Joseph Sabato, Jr., MD

## SCA in Schools

### **Saving Lives from Injury: The Creation and Implementation of First Aid for Severe Trauma™ – a Novel, Nationwide Education Program for High Schoolers**

Craig Goolsby, MD, MEd

10:35 AM - 12:25 PM

### **EMS, Fire & Law Enforcement – Public Safety Challenges & Innovations**

#### **The View from the Eagles' Nest: Advances in Prehospital Management of Cardiac Arrest Patients**

Paul Pepe, MD, MPH, Jane Wigginton, MD, Lauren M. Maloney, MD, Michael Levy, MD, Christopher Kahn, MD, J. Joelle Donofrio, DO, Stephen Sanko, MD

11:35 AM - 12:25 PM

### **Resuscitation Education: Science, Implementation and Innovation**

#### **American Heart Association - Get with the Guidelines - R & RQIP**

Ashish Panchal, MD, PhD, Paul Chan, MD

## SCA in Schools

### **Partnerships and Heart Safe Schools: Project ADAM in San Diego**

Alli J. Thompson, MBA, Rohit Rao, MD, MBA, Rachel Flores, RN, Anne Laymon, RN, MSN, MBA, Maureen O'Connor, Mary Beth Moran, MEd, MS

### **Community Strategies & Survivorship: Engagement, Awareness & Support**

#### **Rehabilitation After Sudden Cardiac Arrest: Facing Fear, Fatigue and the Future After Survival**

Sachin Agarwal, MD, MPH, Kelly N. Sawyer, MD, MS, Vicky L. Joshi, MSc, Young Joo Kim, PhD

## Hospital: Clinical Challenges & Innovations

### **State-of-the-Art Post-Arrest Care: Targeted Temperature Management and Beyond**

Benjamin S. Abella, MD, MPhil

12:25 PM - 1:45 PM

### **Lunch for Purchase in Exhibit Hall**

1:45 PM - 2:35 PM

## Plenary Session

### **American Red Cross Lifesaving Awards: Recognizing the Importance to Save a Life Since 1911**

David Markenson, MD, MBA, Jody P. Wacker

2:45 PM – 3:05 PM

## SCA in Schools

### **Comparison of Out-of-Hospital Cardiac Arrests Occurring in Schools and Other Public Locations: A 12-year Retrospective Study**

Brian Haskins, PhD

2:45 PM - 3:35 PM

### **EMS, Fire & Law Enforcement – Public Safety Challenges & Innovations**

#### **Connecting the Missing Link: Law Enforcement and Emergency Cardiac Response**

Brandon Griffith

### **Community Strategies & Survivorship: Engagement, Awareness & Support**

#### **Death by Drowning – Preventable and Treatable: Why Do They Happen and What Can We Do About It?**

Tom Greenhalgh, Jr.

## Hospital: Clinical Challenges & Innovations

### **The Code Whisperer: Nurse-Driven Resuscitation**

Bridgid G. Joseph, DNP, MSN

### **Resuscitation Education: Science, Implementation and Innovation**

#### **Virtual Reality Training for EMS: Integrating VR into Pediatric and ACLS Learning for 39 Rural Counties of Florida**

Joan M. Mellor, Felix Marquez

3:05 PM - 3:35 PM

## SCA in Schools

### **Get Charged Up! Cardiac Emergency Response Planning for Schools**

Martha Lopez-Anderson

3:35 PM – 4:05 PM

### **Afternoon Break in the Exhibit Hall**

4:05 PM – 4:30 PM

### **EMS, Fire & Law Enforcement – Public Safety Challenges & Innovations**

#### **An Act of Kindness: How the Code Lavender Program Supports EMS Clinicians in Crisis**

Lauren M. Maloney, MD, Jason Hoffman

## SCA in Schools

### **Youth with Opioids Overdose Response Training Through High School CPR Programs**

Jennifer Russell

4:05 PM – 4:55 PM

## Hospital: Clinical Challenges & Innovations

### **Pediatric Resuscitation: What Is New in 2021?**

Joseph Rossano, MD

## Community Strategies & Survivorship: Engagement, Awareness & Support

### Recognition and Management of Sudden Cardiac Arrest in Athletes

Jonathan Drezner, MD

4:30 PM – 4:55 PM

### EMS, Fire & Law Enforcement – Public Safety Challenges & Innovations

#### Caught on Camera: Teamwork Saves the Chief of Police

Sarah Lamb

### SCA in Schools

#### Roles and Actions of Training Organizations in Mitigating Opioid Overdoses and Deaths

David Markenson, MD, MBA

### SPECIAL EVENT!

5:15 PM – 6:30 PM

#### Women in Resuscitation Leadership Event

THURSDAY, DEC 9th, 2021

7:00 AM – 5:00 PM

#### Registration Open

7:00 AM – 8:00 AM

#### Breakfast with the Champions

See topics in the [online agenda](#)

8:00 AM – 8:25 AM

#### Welcome and Introductory Remarks

### Plenary Sessions

8:25 AM – 9:15 AM

#### Hans Dahll Award Presentation - Cardiac Arrest: Knowledge, Insights and a Vision for the Future

Tom Aufderheide, MD, MS

9:15 AM – 10:05 AM

#### American Heart Association – COVID-Related Changes to Resuscitation

Alexis Topijan, MD, Jeanette K. Previdi, MPH, RN, BSN

10:05 AM – 10:35 AM

#### Morning Break in the Exhibit Hall

10:35 AM – 11:25 AM

### Resuscitation Education: Science, Implementation and Innovation

#### Advances in American Red Cross First Aid Education

Dominick Tolti

## Community Strategies & Survivorship: Engagement, Awareness & Support

### Connecting with Communities to Tackle Disparities in Cardiac Arrest Survival

Michael C. Kurz, MD, MS

### Hospital: Clinical Challenges & Innovations

#### COVID-Related Changes to Resuscitation (Follow-Up to AHA Plenary)

Alexis Topijan, MD, Jeanette K. Previdi, MPH, BSN, RN

### EMS, Fire & Law Enforcement – Public Safety Challenges & Innovations

#### Is AI Better at Identifying Cardiac Arrest During a 911 Call?

#### Results of a Research Trial

Stig N. Blomberg

#### Pediatric Out of Hospital Cardiac Arrest - From Bystander CPR to the ICU

J. Joelle Donofrio, DO, Matthew Murray, MD, Helen Harvey, MD

11:25 AM – 12:50 PM

#### Lunch for Purchase in the Exhibit Hall

### Plenary Sessions

12:50 PM – 1:40 PM

#### The Unspoken Realities of SCA Survival: What We Need to Know and What We Can Do

Katie N. Dainty, PhD, Joe Farrell, DPT, Brandon Griffith, Steven B. Tannenbaum, Katrysha Gellis

1:40 PM – 2:30 PM

#### Navigating Resuscitation Progress: Insights from Science and Implementation from Around the World

Jan Thorsten Graesner, MD, Tom Rea, MD, MPH, Ann Doll

2:40 PM – 3:30 PM

### Hospital: Clinical Challenges & Innovations

#### Code Busters and CPR Coaches: Tips and Tricks to Making In-Hospital Cardiac Arrest Debriefs Make a Difference

Elizabeth Hunt, MD, MPH, PhD

### Resuscitation Education: Science, Implementation and Innovation

#### Defense Health Agency: Making Strides and Improvements in Resuscitation Education

Thomas Sather, Ed.D, MS, MSS, CAsP, David Markenson, MD, MBA



## HEARTSafe Community

### **HEARTSafe Communities: A Blueprint for Sudden Cardiac Arrest Survival**

David B. Hiltz, Joshua Smith, AAS, NRP, James C. Suozzi, DO, Kimberly Harkins, MPH, Brandon Oto, PA-C, NREMT, Richard C. Shok, RN, Sandra Zambon, Jerry Overton, MPA, Christopher Sun, PhD, Mark Link, MD, Richard Price, MPA, Brian Platz, Lorelee Olejnik, MA, Fredrik Folke, MD, PhD, Pamela Dodson, RN, Deon Vigilance, MD, John Pilakas, NRP, NP, and Monica Kleinman, MD

### **Community Strategies & Survivorship: Engagement, Awareness & Support**

#### **Moving Research to Action: International Co-Production of a Person-Reported Measure of Cardiac Arrest Survivorship and Health-Related Quality of Life (CASHQoL)**

Katie N. Dainty, PhD, Kirstie Haywood, PhD, Paul Swindell, Charly Southern

### **EMS, Fire & Law Enforcement – Public Safety Challenges & Innovations**

#### **Navigating Resuscitation Progress: Insights from Science and Implementation from Around the World**

Jan Thorsten Graesner, MD, Tom Rea, MD, MPH, Ann Doll

3:35 PM – 4:00 PM

### **EMS, Fire & Law Enforcement – Public Safety Challenges & Innovations**

#### **Thinking Outside of the Box: Strategies for Finding Alternatives to Randomized Clinical Trials**

Paul E. Pepe, MD, MPH

### **Community Strategies & Survivorship: Engagement, Awareness & Support**

#### **How SCA Public Policy Can Be THE Most Powerful Force in the Battle to Save Lives**

Richard A. Lazar

3:35 PM – 4:25 PM

## HEARTSafe Community

### **HEARTSafe Communities: A Blueprint for Sudden Cardiac Arrest Survival**

David B. Hiltz; Joshua Smith, AAS, NRP; James C. Suozzi, DO; Kimberly Harkins, MPH; Brandon Oto, PA-C, NREMT; Richard C. Shok, RN; Sandra Zambon; Jerry Overton, MPA; Christopher Sun, PhD; Mark Link, MD; Richard Price, MPA; Brian Platz; Lorelee Olejnik, MA; Fredrik Folke, MD, PhD; Pamela Dodson, RN; Deon Vigilance, MD; John Pilakas, NRP, NP; and Monica Kleinman, MD

## Hospital: Clinical Challenges & Innovations

### **Prevention of In-Hospital Cardiac Arrests: Do Early Warning Scores and Rapid Response Teams Actually Prevent Death in the Hospital?**

Dana Edelson, MD

## Resuscitation Education: Science, Implementation and Innovation

### **Recharging Your Training Business with Technology**

Andrew Randazzo, AAS, BA, NRP

4:00 PM – 4:25 PM

### **Community Strategies & Survivorship: Engagement, Awareness & Support**

#### **Become a Champion of Champions - Effectively Engage Others to Support SCA Public Policy**

Jeff Ranous

### **EMS, Fire & Law Enforcement – Public Safety Challenges & Innovations**

#### **Lessons Learned about Cardiac Arrest and COVID-19**

Paul E. Pepe, MD, MPH

4:45 PM – 6:30 PM

### **CPR Saves Lives Rally**

FRIDAY, DEC 10th, 2021

7:00 AM – 12:00 PM

### **Registration Open**

8:00 AM – 8:30 AM

### **Welcome and Introductory Remarks**

8:30 AM – 9:20 AM

### **Plenary Session**

#### **Highlights of Innovative Resuscitation Technology 2021**

Laurie Morrison, MD

9:00 AM – 10:00 AM

### **Morning Beverage Station**

9:20 AM – 10:10 AM

### **Plenary Session**

#### **What's Next: Insights for Surviving, and Thriving, in 2022**

Ed Racht, MD

10:20 AM – 10:45 AM

## Resuscitation Education: Science, Implementation and Innovation

### **Perfect Practice Makes Perfect! Low Dose - High Frequency Educational Innovations Maximize Performance of EMTs Focused on Improving Survival from Cardiac Arrest**

Kevin G. Seaman, MD

10:20 AM – 11:10 AM

### Community Strategies & Survivorship: Engagement, Awareness & Support

#### From SCA to Survivorship: Meeting the Emotional and Psychosocial Needs of Survivors, Family, and Rescuers

Frances Lesicko, MA, Jasmine Wylie

### HEARTSafe Community

#### HEARTSafe Communities: A Blueprint for Sudden Cardiac Arrest Survival

David B. Hiltz, Joshua Smith, AAS, NRP, James C. Suozzi, DO, Kimberly Harkins, MPH, Brandon Oto, PA-C, NREMT, Richard C. Shok, RN, Sandra Zambon, Jerry Overton, MPA, Christopher Sun, PhD, Mark Link, MD, Richard Price, MPA, Brian Platz, Lorelee Olejnik, MA, Fredrik Folke, MD, PhD, Pamela Dodson, RN, Deon Vigilance, MD, John Pilakas, NRP, NP, and Monica Kleinman, MD

### EMS, Fire & Law Enforcement – Public Safety Challenges & Innovations

#### It's High Time for High Performance Mechanical CPR

Michael Levy, MD

### Hospital: Clinical Challenges & Innovations

#### Personalizing Resuscitation After Cardiac Arrest: Insights into Patient-Specific Physiology

Mypinder Sekhon, MD

10:45 AM – 11:10 AM

### Resuscitation Education: Science, Implementation and Innovation

#### The Emotional Toll of Doing CPR: Do We Teach This? Should We?

Mark Forgues, MEd, NRP

11:20 AM – 11:45 AM

### Community Strategies & Survivorship: Engagement, Awareness & Support

#### Impact of Public Access Defibrillation on the Long-Term Functional Outcomes and Quality-of-Life of Cardiac Arrest Survivors: A Nine-Year Retrospective Study

Brian Haskins, PhD

### EMS, Fire & Law Enforcement – Public Safety Challenges & Innovations

#### The Minnesota Mobile ECMO Program Provides a Model for Success

Kimberly Harkins, MPH

### Resuscitation Education: Science, Implementation and Innovation

#### What I've Learned From Teaching Medics How to Cry

Koralia Burz, MS

11:20 AM – 12:10 PM

### Hospital: Clinical Challenges & Innovations

#### Staying Alive: A Journey to Redefine the Medical Emergency Care Process

Tracey Robilotto, Lisa M. Baker, RN, MEd, Stacy Prosser, RN, Laura A. Johnson, MSN, RN

### COVID-19 and Cardiac Arrest: What We Know Now About Potential Long-Term Effects and How Resuscitation Will Be Affected in the Post-COVID Era

Gary Montague, John Rumsfeld, MD, PhD, William Quirk, MD

11:45 AM – 12:10 PM

### Resuscitation Education: Science, Implementation and Innovation

#### Death Communication: What's Missing From Your Resuscitation?

Alexandra Y. Jabr, MS

### Community Strategies & Survivorship: Engagement, Awareness & Support

#### Optimizing AED Placement and 24/7 Access to AEDs in HEARTSafe Communities

Christopher Sun, PhD, Mark Link, MD

### EMS, Fire & Law Enforcement – Public Safety Challenges & Innovations

#### The Future is Here! How Drones Can Improve Outcomes in Rural and Private Locales

Paul J. Snobelen, Sheldon B. Cheskes, MD

12:20 PM – 12:50 PM

### Awards Announcement and Closing Ceremony

## EXHIBIT HALL SCHEDULE

### Tuesday, December 7

7:30 am – 6:00 pm – Exhibitor Move In

7:00 pm – 9:00 pm – Summit Opening Reception

### Wednesday, December 8

7:00 am – 4:15 pm – Exhibit Hall Hours

- Breakfast with the Exhibitors
- Demo Stage Presentations
  - Morning Break
- Cash and Carry Lunch
  - Afternoon Break

### Thursday, December 9

7:00 am – 2:00 pm – Exhibit Hall Hours

- Breakfast served in Exhibit Hall
- Demo Stage Presentations
  - Morning Break
- Cash and Carry Lunch

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