Resuscitation Science Symposium
Preliminary Program and Call for Abstracts

Nov. 11–13, 2017 | Anaheim Convention Center | Anaheim, CA

Sponsored by the American Heart Association Emergency Cardiovascular Care Committee and the Council on Cardiopulmonary, Critical Care, Perioperative and Resuscitation
Tom P. Aufderheide, MD, MS  
Co-chair, Resuscitation Science Symposium

“For me, Scientific Sessions is an explosion of ideas! I always get the latest, cutting-edge science at Sessions. I connect from people all around the world with similar interests and I return to my own institution invigorated and with new ideas to investigate.”

Benjamin S. Abella, MD, MPhil  
Co-chair, Resuscitation Science Symposium

“Scientific Sessions has been a wonderful experience in a number of ways. I think one of the most important things is networking with a tremendous group of colleagues; people who I might not meet otherwise from around the world, who share a common interest and a common passion for Resuscitation Science.”
Program Committee

Benjamin S. Abella, MD, MPhil, FAHA, Symposium Co-Chair, University of Pennsylvania, Philadelphia, Pennsylvania
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Judith Finn, PhD, MEdSt, GradDipPH, BSc, DipAppSc, RN, RM, ICCert, FAHA, Curtin University and Monash University, Perth and Melbourne, Australia
Raúl Gazmuri, MD, PhD, Rosalind Franklin University of Medicine and Science, North Chicago, Illinois
Fumito Ichinose, MD, PhD, FAHA, Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts
Tamil L. Kayea, LP, Dallas Fire-Rescue Department, Dallas, Texas
Monica E. Kleinman, MD, Boston Children’s Hospital, Boston, Massachusetts
Matthew Huei-Ming Ma, MD, PhD, Department of Emergency Medicine, National Taiwan University Hospital, Taipei, Taiwan
Raina M. Merchant, MD, MSHP, FAHA, University of Pennsylvania, Philadelphia, Pennsylvania
Laurie Morrison, MD, MSc, St Michael’s Hospital, University of Toronto
Sarah B. Murthi, MD, University of Maryland, The R Adams Cowley Shock Trauma Center, Baltimore, Maryland
Robert Neumar, MD, PhD, FAHA, University of Michigan, Ann Arbor, Michigan
Graham Nichol, MD, MPH, FAHA, University of Washington, Harborview Center for Prehospital Emergency Care, Seattle, Washington
Jerry Nolan, FRCA FRCP FFICM FRCEM (Hon), University of Bristol, Bath, United Kingdom
Theresa M. Olasveengen, MD, PhD, Oslo University Hospital, Oslo, Norway
Brian O’Neill, MD, Wayne State University, Department of Emergency Medicine, Detroit, Michigan
Melissa Parker, MD, MSc, (PEM, PCCM), McMaster University, Hamilton, Ontario, Canada
Kelly Sawyer, MD, MS, Beaumont Health System, Royal Oak, Michigan
Jane D. Scott, ScD, MSN, National Heart, Lung, and Blood Institute, NIH, Bethesda, Maryland
Carrie Sims, MD, MS, University of Pennsylvania, Philadelphia, Pennsylvania
Jasmeet Soar, MA, MB, BCHir, FERCP FFICM, Southmead Hospital Bristol, United Kingdom
Daniel W. Spaite, MD, University of Arizona College of Medicine, Chandler, Arizona
Samuel A. Tisherman, MD, University of Maryland, Baltimore, Maryland
Sandra Wanek, MD, Legacy Emanuel Medical Center, Portland, Oregon
Demetris Yannopoulos, MD, University of Minnesota, Minneapolis, Minnesota
## ReSS Three-Day Event Program-at-a-Glance

<table>
<thead>
<tr>
<th>Time</th>
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Key Dates

April 19  Abstract Submission Opens
June 12  Abstract Submission Closes
July 24  Late-Breaking Resuscitation Science Abstract Submission Opens
Aug. 16  Late-Breaking Resuscitation Science Abstract Submission Closes
Sept. 6  Deadline to become an AHA/ASA Professional Member to qualify for the EARLY MEMBER Registration Rate
Oct. 10  Deadline to become an AHA/ASA Professional Member to qualify for the ADVANCE MEMBER Registration Rate
Oct. 11  Standard/on-site rates apply

Program Description

The 2017 Resuscitation Science Symposium (ReSS) is a three-day international forum at Scientific Sessions where resuscitation clinicians and researchers can participate in lively discussion on recent advances related to treating cardiopulmonary arrest and life-threatening traumatic injury.

With an increasing understanding of the shared pathophysiology between cardiac arrest and traumatic injury at multiple levels of biological organization, ReSS can provide a unique opportunity for transdisciplinary interactions that rapidly translate advances in the resuscitation field from fundamental to translational to clinical to population science.

Learning Objectives

At the conclusion of the symposium, participants will be able to identify recent advances related to

- Treating cardiopulmonary arrest
- Treating life-threatening traumatic injury
- Studying cardiopulmonary arrest
- Studying life-threatening traumatic injury

Continuing Medical Education Accreditation

Continuing Medical Education Accreditation—Physicians
The American Heart Association is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education (CME) for physicians.

Continuing Medical Education Accreditation—Physician Assistants
The American Academy of Physician Assistants (AAPA) accepts Category I credit from AOACCME, Prescribed credit from the American Academy of Family Physicians (AAFP), and AMA PRA Category 1 Credit™ from organizations accredited by ACCME.

Continuing Education Accreditation—Nurses
The American Heart Association is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation.

Who Should Attend?

The audience will include emergency physicians, trauma surgeons, neurosurgeons, cardiologists, critical-care nurses, intensivists, emergency medical providers, resuscitation educators and researchers with basic, bioengineering, clinical or other experience related to treating cardiac arrest and trauma.
Call for Abstracts

World-renowned science starts with an abstract.

*Resuscitation Science Symposium abstract submissions are now included in the Scientific Sessions abstract submission process.

The American Heart Association is bringing the premier cardiovascular conference for basic, translational, clinical, and population science to New Orleans, Louisiana this November. Attracting nearly 18,000 professional attendees from more than 100 countries, AHA's Scientific Sessions provides an elite forum for presentation of novel research findings.

Interested investigators are welcome to submit abstracts for consideration for Resuscitation Science Symposium: Submission Dates: April 19 – June 12, 2017

Deadline: June 12, 2017, 8 AM Central Daylight Time (CDT)

To submit your abstract, visit scientificsessions.org. Be sure to submit under one of the following Resuscitation categories listed below:

24. Resuscitation Science Symposium
24.107 | Cardiac Arrest – Basic Science
24.108 | Cardiac Arrest – Translational Science
24.109 | Cardiac Arrest – Population Science/Epidemiology
24.110 | Cardiac Arrest – Clinical Science, Pre-arrest
24.111 | Cardiac Arrest – Clinical Science, CPR/intra-arrest
24.112 | Cardiac Arrest – Clinical Science, Post-arrest
24.113 | Trauma – Population Science/Epidemiology
24.114 | Trauma – Basic Science
24.115 | Trauma – Clinical Science

Benefits to Submitting

Opportunity for Publication

- Accepted abstracts are published in Circulation, an American Heart Association journal. Circulation continues to be top-ranked for total cites, Impact Factor, 5-Year Impact Factor, Article Influence® Score, and Eigenfactor® Score among 123 journals in the Cardiac & Cardiovascular Systems and 60 journals in the Peripheral Vascular Disease subject categories, according to the 2015 Journal Citation Reports® Science Edition (Thomson Reuters, 2015).

Global Reach

- 2016 abstracts were featured in the CNN, MSN, Yahoo News, NBC Today Show, Daily Mail, CBS News Reuters, FoxNews, NBC Right Now, WebMD.
- Almost billion media impressions for Scientific Sessions 2016, with more than 300 million impressions made from news-related social media events.

Member Benefits

- More than $160,000.00 in council awards and travel grants available to professional members, early career investigators, trainees and students submitting abstracts to Scientific Sessions.

Registration

ReSS is now a part of Scientific Sessions.

There is no separate registration to attend ReSS 2017! Your Scientific Sessions registration now includes access to the Resuscitation Science Symposium 2017 programming.
Registration and housing for Scientific Sessions will open as follows:

- **June 7** | AHA FAHA/VIP Registration
- **June 14** | AHA Member Registration
- **June 22** | AHA Nonmember Registration

**ReSS Highlights and Awards**

Special lectures and award presentations are included in the program:

Young scientists in the field of resuscitation are invited to apply to attend the **Young Investigator Networking Event**, an interactive evening with senior investigators from around the world, on Friday, Nov. 10. Graduate students and clinician scientists or clinician investigators (scientists with protected time to do resuscitation research) within three years of their faculty appointment are encouraged to attend. The Young Investigator Awards, which are given to the top-scoring abstracts submitted by young investigators, will be presented during the event. There is no additional cost to attend the Young Investigator Networking Event. For information on how to apply, visit the ReSS website at scientificsessions.org.

Resuscitation medicine is unique and presents unique challenges, especially for women. We are committed to fostering the growth and development of all young investigators and scientists. Again this year, we are pleased to offer the **Women in Resuscitation Science Networking Meeting** which offers an informal setting to network and learn from others. This year, the focus will be on mentorship and sponsorship. Please join us on Saturday, Nov. 11, at 12:15 PM. This session is open to all.

Network with colleagues and experience the best original resuscitation science at the **Abstract Poster Sessions**, scheduled throughout the meeting.

The **ReSS Best of the Best Abstract Awards** will be presented for the top-scoring abstracts submitted to the Resuscitation Science Symposium. Two awards will be presented for abstracts related to cardiac resuscitation science, and two awards will be presented for abstracts related to trauma resuscitation science. To be eligible to receive one of these awards, attendees must submit an abstract to ReSS 2017 that is related to either cardiac or trauma resuscitation science, receive a top score for that abstract and be a member of the American Heart Association.

The **ReSS Young Investigator Awards** will be presented for top-scoring abstracts submitted to the Resuscitation Science Symposium. Awards will be given for abstracts pertaining to both cardiac and trauma resuscitation science. To be eligible to receive one of these awards, young investigators (researchers/clinicians within the first five years of their appointment) must submit an abstract to ReSS 2017, receive a top score for that abstract and be a member of the American Heart Association. These awards will be presented during the ReSS Young Investigator Networking Event on Friday evening, November 10.

The **Award for International Group Collaboration to Advance Resuscitation Science** recognizes international collaboration among individuals over an extended time that has resulted in major contributions to fundamental or clinical science related to cardiac arrest or traumatic injury. The award will be presented Sunday, Nov. 11.

The **Lifetime Achievement Awards in Cardiac and Trauma Resuscitation Science** were established by the Emergency Cardiovascular Care Committee in 2003 to honor scientists for their outstanding contributions in cardiac and trauma resuscitation science. The 2017 awards will be presented Saturday, Nov. 11.

The **Dickinson W. Richards** Memorial Lecture was established in 1973 in honor of Dr. Richards, who shared the Nobel Prize with Drs. Andre Cournand and Werner Forssman in 1956 for work leading to a practical method of cardiac catheterization. Dr. Richards served as an associate editor of the AHA journal Circulation during the 1950’s. The lecture will be presented by Laurie Morrison, MD on Monday, Nov. 13, 2017.
ReSS Three-Day Event Preliminary Program

Friday, November 10

6:30–9:30 PM
Young Investigator Event

Saturday, November 11

8:00–8:15 AM
Symposium Opening: Welcome and Introduction

8:15–9:30 AM
Plenary 1: Outcomes of Cardiac Arrest Survivors With ICDs
Moderators: Mary Newman, Wexford, PA
TBD

  8:15   Living With an ICD: A Survivor’s Perspective
         Joe Farrell, San Ramon, CA

  8:30   Caring for a Loved One With an ICD
         Edie Farrell, San Ramon, CA

  8:45   Rehabilitation for Cardiac Arrest Survivors With ICDs
         TBD

  9:00   Rehabilitation Services: Who Needs What?
         Gisella Lilja, Lund, Sweden

9:30–10:15 AM
2017 Awards for Lifetime Achievement in Cardiac Resuscitation Science and
Trauma Resuscitation Science and Presentation of the Ian G. Jacobs Award for
International Group Collaboration to Advance Resuscitation Science

10:15–10:30 AM
Break/Networking

10:30–11:45 AM
Best of the Best Oral Abstract Presentations and Presentation of the Best Abstract
Awards for Cardiac and Trauma Resuscitation Science

11:45 AM–12:15 PM
Lunch Break

12:15–1:15 PM
Concurrent Sessions
  A: Women in Resuscitation Networking Meeting
  B: Joint Session: Japanese Circulation Society/American Heart Association

1:15–2:45 PM
ReSS Poster Sessions

2:45–4:00 PM
Plenary 2: Prognostication After Resuscitation
Moderators: Jason A. Bartos, Minneapolis, MN
Steffie Beesems, Utrecht, Netherlands

  2:45   Prognostication After Major Trauma and TBI
         Lori A. Shutter, Cincinnati, OH

  3:00   Appropriate Duration of Resuscitation Efforts
         Scott Youngquist, Salt Lake City, UT
3:15 Neuroimaging for Prognosis
Karen G. Hirsch, Stanford, CA

3:30 Prognostication Post Cardiac Arrest
Demetris Yannopoulos, Minneapolis, MN

4:00–4:30 PM
Break/Networking

4:30–5:30 PM
Late Breaking Resuscitation Science

Sunday, November 12

8:00–9:30 AM
ReSS Poster Sessions

9:30–10:30 AM
Plenary 3: Year in Review
Moderators: Gavin D. Perkins, Warwick, United Kingdom
Irshad H. Chaudry, Birmingham, AL

9:30 Year in Review: Trauma
TBD

10:00 Year in Review Cardiac Arrest
Lance Becker, Manhasset, NY

10:30–10:45 AM
Refreshment Break/Networking

10:45–11:45 AM
Concurrent Sessions
  A. Oral Abstracts – Basic Science/Translational
  B. Oral Abstracts – Clinical

11:45 AM–Noon
Break

12:00–1:15 PM
Plenary 4: The Role of Genetics in Cardiac Arrest and Trauma
Moderators: Rajat Deo, Philadelphia, PA
Graham Nichol, Seattle, WA

12:00 Genetics of Sudden Death
Elizabeth McNally, Chicago, IL

12:15 Genetics of the Response to Trauma
TBD

12:30 Pediatric Genetics of Sudden Death
Michael J. Ackerman, Rochester, MN

12:45 Genetics and Epigenetics of Sepsis
Nuala Meyer, Philadelphia, PA

1:00–3:00 PM
Lunch/Scientific Sessions Opening Session

3:00–4:00 PM
Concurrent Sessions
  A: Oral Abstracts – Cardiac Arrest Epidemiology
  B. Oral Abstracts – Trauma
4:15-4:30 PM
Break

4:30-5:45 PM
Plenary 5: New Directions in Dispatch-Assisted CPR
Moderators: Freddy Lippert, Copenhagen, Denmark
TBD

4:30  Dispatch Tools and Training - Current Best Practices
     Thomas Rea, Seattle, WA

4:45  Quality Monitoring of Dispatch CPR
     Charles Deakin, Southampton, United Kingdom

5:00  Training Bystanders to Interact with Dispatchers
     Jo Kramer-Johansen, Oslo, Norway

5:15  Translation of Dispatch CPR into Improved Outcomes
     Bentley Bobrow, Phoenix, AZ

Monday, November 13

8:00–9:30 AM
ReSS Poster Sessions

9:30–10:45 AM
Plenary 6: Educational Innovations in Resuscitation
Moderators: Marion Leary, Philadelphia, PA
          Rosemarie Fernandez, Seattle, WA

9:30  Social Media and FOAM (Free Open Access Meducation)
     TBD

9:45  Augmented Reality
     Lauryn Rochlen, Ann Arbor, MI

10:00 Simulation
     Bryn Baxendale, Nottingham, United Kingdom

10:15 Educating the Masses
     Martin Percy, London, United Kingdom

10:45-11:15 AM
Dickinson W. Richards Memorial Lecture
Laurie Morrison, Toronto, Ontario, Canada

11:15-11:45 AM
ReSS Oral Abstracts

11:45 AM–12:15 PM
Lunch Break

12:15–1:15 PM
Concurrent Sessions
    A. NIH Report
    B. EMS Session: Mechanical CPR

1:15–1:30 PM
Break
1:30–2:45 PM  
Plenary 7: Coagulopathies in Resuscitation  
Moderators: Thomas M. Scalea, Baltimore, MD  
Susan Rowell, Portland, OR  
1:30   Coagulopathy in Trauma  
Ernest Moore, Denver, CO  
1:45   Coagulopathy in Cardiac Arrest  
Robert Neumar, Philadelphia, PA  
2:00   Treatment: Factor Based Therapy  
John B. Holcomb, Houston, TX  
2:15   Treatment: Anticoagulation Reversal  
Jennifer Frontera, Cleveland, OH  
2:45–3:15 PM  
Break/Networking  
3:15–4:30 PM  
Plenary 8: Pharmacologic Resuscitation Therapies  
Moderators: Michael Donnino, Boston, MA  
Laurie J. Morrison, Toronto, ON, Canada  
3:15   Lessons from Preclinical Studies  
Theresa Olasveengen, Oslo, Norway  
3:30   Pharmacologic Approaches During Cardiac Arrest Resuscitation  
Peter J. Kudenchuk, Seattle, WA  
3:45   Pharmacologic Effectiveness in Clinical Trials  
Peter Morley, Melbourne, Australia  
4:00   Alternative Pharmacologic Agents  
Raúl J. Gazmuri, North Chicago, IL  
4:30–5:30 PM  
Oral Abstracts

Questions and Information

Unanswered Questions  
If you have questions after reading this program, contact the American Heart Association National Center, Dallas:  
Telephone  (888) 242-2453  
(inside the U.S.)  
(214) 570-5935  
(outside the U.S.)  
Fax  (214) 373-3406  
Email  scientificconferences@heart.org  
Website  professional.heart.org

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Email  ahaonline@LWW.com
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*dependent on membership tier

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