

# CiW

The **CIMIT Innovation Workshop** is a small conference to promote the exchange of ideas and information, and provide an arena where interdisciplinary discussion can lead to breakthroughs in biomedical engineering and patient care.

## CIMIT®

Center for Integration of Medicine  
& Innovative Technology

165 Cambridge Street, Suite 702  
Boston, Massachusetts 02114  
T 617-643-3800  
F 617-643-3840  
[www.cimit.org](http://www.cimit.org)

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EARLY, INNOVATIVE RESUSCITATION  
AND BLEEDING CONTROL  
AFTER INJURY

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## CIMIT INNOVATION WORKSHOP

# EARLY, INNOVATIVE RESUSCITATION AND BLEEDING CONTROL AFTER INJURY

**Significant improvement has been made in controlling compressible extremity hemorrhage**, yet the management of non-compressible hemorrhage continues to be an unsolved and often fatal problem. Trauma is the number one cause of death for children and adults ages 1 to 44. Hemorrhage after a trauma causes 35% of all prehospital deaths and over 40% of deaths within the first 24 hours.

The CIMIT Innovation Workshop on bleeding control seeks to explore the challenges of adequate prehospital resuscitation, advanced monitoring and non-compressible bleeding control. This full day, intensive workshop will encourage the open exchange of ideas and pathways leading to tools that stop bleeding near the scene of injury.

## INNOVATION WORKSHOP TOPICS

### Pre-Hospital Resuscitation

Crystalloid resuscitation must be revisited. New methods with alternative fluids or without fluid will be explored.

### Non-Compressible External Bleeding Control

Tourniquets and direct compression are not universally applicable. For example, neck or proximal extremity bleeding may not respond to these methods. Innovative techniques of controlling external bleeding will be examined.

### Internal Bleeding Control

There is no method to control internal bleeding in the prehospital scenario. With long prehospital times, internal bleeding control becomes a priority. New projects on controlling internal bleeding before the operating room will be described.

### Innovative Monitoring

Prehospital and early in-hospital assessment of hemorrhage is often inaccurate. New methods to monitor physiologic parameters and diagnose bleeding early will be discussed.

## AGENDA

7:00 AM

**Registration and Networking**

8:00 AM

**Welcome**

8:00 – 11:00 AM

**Morning sessions**

Morning sessions will examine four critically important topics in a structured format of moderated presentations and interactive discussion. The sessions will emphasize clinical needs and potential solutions which will be considered in depth during the afternoon workshops.

11:30 AM – 1:30 PM

**Advanced Technology Innovations and Lunch**

Listen as thought leaders describe *two advanced technology innovations* during the midday program.

1:00 – 3:30 PM

**Afternoon sessions**

Afternoon sessions will offer attendees the opportunity to join one of the four topic-specific work groups. These participant-guided sessions will explore solution-oriented tools, technologies and methods around which ongoing collaborations may be formed.

4:00 – 6:00 PM

**CIMIT Forum and Reception**

## WORKSHOP GOALS

- **educate the participants** about the existing research and potential solutions
- **bring together cross disciplinary** and cross institutional teams to build collaborations
- **create a concrete plan** for testing some of the ideas/ devices in human studies and making them commercially available in the near future.

## INDUSTRY INVOLVEMENT

Industry will be a very crucial participant. Large and medium-sized companies that have produced relevant technologies and smaller start-up companies may participate.

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