



## **Extracorporeal Life Support in Adult Critical Care**

14 hours of Lecture, 14 hours of Simulation

**Houston Methodist Hospital  
April 15-18, 2015  
Houston, TX**

**Preliminary Program (subject to change)**



### **Wednesday, April 15, 2015 (8 hours)**

#### Lectures

- **Introduction to Simulation**
- **Components**
- **History of ECMO and ELSO Overview**
- **ECMO Physiology**
- **Indications for Adult VV ECMO**

Simulation Session #1 to #3  
including an ECMO "Boot Camp"

### **Thursday, April 16, 2015 (8 hours)**

#### Lectures

- **Cannulation and Initiation**
- **Anticoagulation**
- **Patient Management**
- **Circuit Management**

Simulation Session #4 and #5

### **Friday, April 17, 2015 (8 hours)**

#### Lectures

- **VA ECMO**
- **Case Studies**
- **Decanulation, Bridge to Recovery or Transplant**

Simulation Session #6 and #7

### **Saturday, April 18, 2015 (4 hours)**

#### Lectures

- **ECLS Pharmacology**
- **Quality Monitoring**
- **ECMO Economics and Program Set-up**

Simulation Session #8

**Meeting adjourned at noon with an optional afternoon simulation session.**

Simulation Session #9 (optional)

- **Circuit Change**
- **Oxygenator cut out**
- **Pump head change**
- **De airing the circuit**
- **Hands on exercises**



For registration information, contact Peter Rycus at [prycus@umich.edu](mailto:prycus@umich.edu)