



EURO ELSO, Charles University Hospital and First Faculty of Medicine introduce

# ECMO Ex

## ECMO in Experiment Workshop

### Workshop: Design your ECMO Experiment

#### OBJECTIVES:

Hands-on experimental ECMO and monitoring (invasive, noninvasive)  
ECMO research opportunities  
Principles of experimental research

#### COURSE LEADERS:

Jan Bělohávek, MD, PhD, Mikuláš Miček, MD, PhD

#### RECOMMENDED FOR:

Intensivists, perfusionists considering to set up or participate  
in an experimental research  
Beginner and intermediate level.

#### PROGRAMME:

Welcome, Motivation  
Research Basics

- Large animal models. Pros and cons
- Research goals, Methods, Power analysis, Group numbers, Costs

Experimental Monitoring - Insights, Concepts

- Cardiac PV loop, Tissue perfusion, Neuromonitoring,
- Cardiac Output,

Hands-on:

- Pig model of VA ECMO in cardiac arrest, Flow optimization, LV venting, PV loop recording, Microcirculation assessment

Research Topics Discussion

Wrap-Up

#### DATES:

**May 22, 2018**

**12:00-18:00**

before EURO ELSO 2018  
[May 23-26].

#### VENUE:

Charles University, Prague  
First Faculty of Medicine.  
Institute of Physiology  
128 00 Praha 2, Albertov 5

**REGISTRATION FEE:** EUR 250

**CAPACITY:** 16 participants

#### SUGGESTED READING:

<https://www.ncbi.nlm.nih.gov/pubmed/22424292>