

Muscle Biophysics PhD Summer School

<http://mbp.kmcongress.com/>

Date: 28-30 August 2018

Location

Basic Medical Science Center of Semmelweis University
H-1094 Budapest, Tűzoltó utca 37-47.

www.semmelweis.hu/eok/en

Official language: English

Registration: regisztracio@kmcongress.com

Registration deadline: 31 July 2018

Faculty

Lecturers:

Pasquale Bianco (University of Florence, IT)
Attila Borbély (University of Debrecen, HU)
Beáta Bugyi (University of Pécs, HU)
Miklós Kellermayer (Semmelweis University, HU)
Balázs Kiss (University of Arizona, USA)
Mihály Kovács (Eötvös Loránd University, HU)
Marco Linari (University of Florence, IT)
Justin Molloy (UK)
Miklós Nyitrai (University of Pécs, HU)
Zoltán Papp (University of Debrecen, HU)
Tamás Radovits (Semmelweis University, HU)
Massimo Reconditi (University of Florence, IT)

Practical tutors:

Gergely Agócs (Semmelweis University, HU)
Tamás Bozó (Semmelweis University, HU)
Tímea Feller (Semmelweis University, HU)
Katalin Kispetik (Semmelweis University, HU)
Zsolt Mártonfalvi (Semmelweis University, HU)
Hedvig Tordai (Semmelweis University, HU)

Scientific Program

	Tuesday, 28 August	Wednesday, 29 August	Thursday, 30 August
8:30-10:00	Muscle structure (Marco Linari, Massimo Reconditi)	Actin (Miklós Nyitrai)	Cardiac contractility I (Zoltán Papp, Attila Borbély)
10:15-11:45	Muscle mechanics (Marco Linari, Pasquale Bianco)	Actin-binding proteins (Beáta Bugyi)	Cardiac contractility II (Tamás Radovits)
12:00-12:45	Practical I: single muscle fiber mechanics, multi-photon microscopy (Katalin Kispetik, Hedvig Tordai)	Practical III: optical tweezers, measurement of titin elasticity (Zolt Mártonfalvi)	AFM of muscle proteins (Tamás Bozó, Miklós Kellermayer)
13:00-14:00	Lunch	Lunch	Online Moodle test
14:00-15:30	Motor proteins I (Justin Molloy)	Muscle cytoskeleton I (Miklós Kellermayer)	
15:45-17:15	Motor Proteins II (Mihály Kovács)	Muscle cytoskeleton II (Balázs Kiss)	
17:30-18:15	Practical II: In vitro motility assay (Gergely Agócs)	Practical IV: single-molecule force spectroscopy (Tímea Feller)	
19:00		Dinner, social programme	

Registration fees (including 21,26% VAT)

Undergraduate students, PhD students, post-doctoral fellows	EUR 300.00
Students of the Doctoral Schools of Hungarian universities, as well as of the Targu Mures University of Medicine and Pharmacy	EUR 0.00

The fees include tuition fee, lunches on 28 & 29 August, and dinner on 29 August.

The number of participants is limited, applications will be evaluated by the Faculty. Applicants have to submit their professional CVs including details of their scientific activity (scientific student groups, publications, conference presentations, etc.).

The program is supported by EFOP 3.6.3 and MedInProt.

