

INTERNATIONAL BIOPHYSICS SCHOOL
"ACADEMICIAN RADOSLAV K. ANDJUS"
(NERKA)

MECHANOBIOLOGY

OCTOBER 6 – 8, 2018 | KOTOR, MONTENEGRO

FROM ION CHANNELS TO BIOMATERIALS
ANIMAL AND PLANT SYSTEMS
BIOPHYSICAL TECHNIQUES OF ANALYSIS



International Biophysical School "Academician Radoslav K. Andjus" (NERKA) was established in honor of R.K. Andjus (1926-2003) an internationally recognized scientist from the University of Belgrade, a member of Montenegrin and Serbian academies of sciences and arts and one of the founders of Institute for Marine Biology in Kotor. The School is traditionally organized by the **Biophysical Society of Serbia** with support of **International Union for Pure and Applied Biophysics (IUPAB)**, **European Biophysical Societies' Association (EBSA)**, **International Brain Research Organization (IBRO)** and **COST Action EuroCellNet**.

Venue:

Institute for Marine
Biology



ORGANIZING COMMITTEE:

Pavle Andjus, **Ksenija Radotić**, Serbia,
Boris Martinac, Australia, **Mirko Djurović**, Montenegro

INVITED SPEAKERS:

Bharat Reddy, USA
Yannis Missirlis, Greece
David Beech, UK
Keiji Naruse, Japan
Eric Honoré, France
Ruhma Syeda, USA
Vladimir Parpura, USA
Tanja Dučić, Spain
Jasna Simonović Radosavljević, Serbia
Gabor Steinbach, Hungary
Jasmina Popović, Serbia
Massimo Vassalli, Italy



Contact & info:

clm@bio.bg.ac.rs
<http://clm.bio.bg.ac.rs/news/>



International Biophysics School
“Academician Radoslav K. Andjus” (NERKA)

Mechanobiology

October 6 – 8, 2018 | Kotor, Montenegro



Venue:

Institute for Marine Biology, Kotor, Montenegro

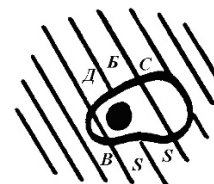


Organizers:

Pavle Andjus (Belgrade, RS)
Boris Martinac (Sydney, AUS)

Ksenija Radotić (Belgrade, RS)
Mirko Djurović (Kotor, MN)

Supported by:



Important facts

Travel:

the venue is reachable by 3 international airports: Tivat (15 min by car), Podgorica (1.5h), Dubrovnik (~3h with border crossing).

Accommodation:

For the accommodation arrangements you are welcome to contact Miro & Sons in Kotor on this email: info@miroandsons.com, as well as to use other booking means: there many opportunities for economical accommodation in the vicinity of the Institute from private villas for rent to small hotels

Duration:

3 days

Lecture hall:

50+ persons

Method:

tutorial lectures, round table discussions, student posters

Social events:

excursion of the Boka bay; diner at the seacoast

Registration fee:

200 €

[Registration fee waiver still available upon request](#)

For further info contact:

clm@bio.bg.ac.rs

<http://clm.bio.bg.ac.rs/2018/04/04/nerka7-mechanobiology/>



scan QR code

Saturday, 06 October 2018

15:00 – 16:00 *Registration and snacks*

16:00 Welcome address

16:30 – 17:30

Bharat Reddy, USA „Rethinking Membrane-Protein Interactions in Mechanosensitive channels: A Cryo-EM Study”

17:30 – 19:00

Yannis Missirlis, Greece: “Tissue Morphogenesis and Mechanoepigenetics”

20:00 *Dinner – get together and meet the speaker*

Sunday, 07 October 2018

Mechanosensitive ion channels

08:00 – 09:00 *On site breakfast and snacks get together*

09:00 – 10:30

David Beech, UK: „Endothelial Piezo1 and shear stress sensing”

10:30 – 12:00

Massimo Vassalli, Italy: "Role of membrane lipids in Piezo1 mediated cellular mechanotransduction"

12:00 – 14:00 *Lunch brake*

14:00 – 15:30

Ruhma Syeda, USA, „Mechanosensitivity of Piezo1 ion channels”

15:30 – 17:00

Keiji Naruse, Japan: “Mechanomedicine”

17:00 – 18:30

Jasmina Popović, Serbia: “Responses to mechanical stimuli – chemistry of reaction wood”

20:00 *Dinner – get together and meet the speakers*

Monday, 08 October 2018

Mechanisms across nature and techniques

08:00 – 09:00 *On site - breakfast and snacks get together*

09:00 – 10:30

Eric Honoré, France: “Molecular biophysics of mechano-transduction”

10:30 – 12:00

Tanja Dučić, Spain: „Synchrotron-based microscopy of cytoskeletal mechanostuctures“

12:00 – 14:00 *Lunch brake*

14:00 – 15:30

Gabor Steinbach, Hungary: „Differential polarization imaging using confocal and re-scan confocal microscopes“

15:30 – 16:15

Jasna Simonović Radosavljević, Serbia: „Mechanosensitivity – structural modifications in plant cell walls “

16:15 – 17:45

Vladimir Parpura, USA: „Rheology in astrocytes“

17:45 – 18:45

Wrap up discussion panel – „Translational value of mechanobiology“ (moderators Boris Martinac, Ksenija Radotić, Pavle Andjus)

20:00 *Farewell Dinner*