

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



Application deadline extended: June 30th
Stipends still available!

ORGANIZING COMMITTEE:

Pavle Andjus, Ksenija Radotić, Serbia,

Boris Martinac, Australia, **Mirko Djurović**, Montenegro

INVITED SPEAKERS:

Eduardo Perozo, USA

Yannis Missirlis, Greece

David Beech, UK

Bailong Xiao, China

Keiji Naruse, Japan

Eric Honoré, France

Rhuma Syeda, USA

Vladimir Parpura, USA

Tanja Dučić, Spain

Aleksandra Mitrović, Serbia

Gabor Steinbach, Hungary

Jasmina Popović, Serbia



Contact & info:

clm@bio.bg.ac.rs

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



IUPAB
CONNECTING THE
WORLD OF BIOPHYSICS



EBSA
Biophysics in Europe

INTERNATIONAL BRAIN
IBRO
RESEARCH ORGANIZATION

COST
EUROPEAN COOPERATION
IN SCIENCE AND TECHNOLOGY



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:

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 €

[Stipends with registration fee waivers still available](#)

Apply with short CV and motivation letter to the mail below

Application deadline extended until June 30th, 2018

For further info and applications 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

Eduardo Perozo, USA, „Mechanosensitive ion channel structure & function“

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: „Orai1 and TRPC1/4/5 channels“

10:30 – 12:00

Boris Martinac, Australia: " Piezo1&2 channels – Lecture 2"

12:00 – 14:00 *Lunch brake*

14:00 – 15:30

Rhuma Syeda, USA, „Mechanosensitivity of Piezo1 ion channels“

15:30 – 17:00

Keiji Naruse, Japan: “TRPV4 channels”

17:00 – 18:30

Aleksandra Mitrović, Serbia: „Tension or compression – plants or structural engineers “

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

Vladimir Parpura, USA: „Rheology in astrocytes“

12:00 – 14:00 *Lunch brake*

14:00 – 15:30

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

15:30 – 17:00

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

17:00 – 18:30

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

18:30 – 19:30

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

20:00 *Farewell Dinner*