

# DAILY PROGRAM

## Sep 27, 2021 MONDAY

### Breakfast time

#### 9.00 – 10.30 OPENING CEREMONY

*Professional greetings to the 2<sup>nd</sup> Summer School of Pathophysiology and 2<sup>nd</sup> Quiz of Pathophysiology*

**Zdenko Kovač. Introduction and short review of the Centennial Anniversary Almanac of Pathophysiology (1919/20-2019/20), the “Pavlovo poslanje”**

### Coffee time

#### 11.00 – 11.45 **Bojan Jelaković. Arystolochic acid in etiopathogenesis of Balkan endemic nephropathy (BEN).**

*(School of Medicine, University of Zagreb, National and University Hospital Centre Hospital KBC Zagreb, Rebro, Department of Nephology, Croatian Academy of Sciences and Arts, Zagreb, Croatia)*

#### 11.45 – 12.30 **Olga Pechanova. Natural polyphenols and body reactivity and sanogenesis.**

*(Institute of Normal and Pathological Physiology, Centre of Experimental Medicine, Slovak Academy of Sciences, Bratislava)*

### Lunch time

#### 13.30 – 13.55 **Luka Prgomet. Resolvins, protectins, merosins, lipoxins and omega-3 fatty acids in pathogenesis of COVID-19 infection and disease.**

*(School of Medicine, University of Zagreb, National and University Hospital Centre Hospital KBC Zagreb, Rebro, Croatia – student/demonstrator at Department of Pathophysiology)*

#### 13.55 – 14.20 **Antun Zvonimir Kovač. Role of myokines in tissues' cross-talks.** (MD,

*ex-demonstrator at Department of Pathophysiology, School of Medicine, University of Zagreb)*

### Coffee time

#### 15.00 – 15.45 **Ivan Damjanov. Can we teach pathology without pathophysiology?**

*(Emeritus Professor of Pathology, The University of Kansas School of Medicine Kansas City, KS, USA)*

#### 15.45 – 16.30 **John W Pelley. How to learn to achieve understanding.**

*(AOA Robert J. Glaser Distinguished Teacher Texas Tech Univ. HSC, Lubbock, TX. USA)*

#### 17.00 – 17.45 **Pavel Hamet. How genomics and artificial intelligence can assist us to “predict for prevent” complications of type 2 diabetes.**

*(MC, OQ, OM, MD, PhD, FCAHS, Professor of Medicine, Université de Montréal, Canada Research Chair Predictive Genomics, Montreal, Canada)*

## Sep 28, 2021 TUESDAY

### Breakfast time

#### 9.00 – 9.45 **Mami Noda. Medical gas hydrogen research in health and disease.**

*(Laboratory of Pathophysiology, Graduate School of Pharmaceutical Sciences Kyushu University, Maidashi, Higashi-ku, Fukuoka, Japan)*

#### 9.45 – 10.30 **Miroslav Radman. Applying Occam's razor on medicine and biomedical research.**

*(Mediterranean Institute for Life Sciences (MedILS), Split, Croatia and INSERM U1001, Université René Descartes-Paris-5, Faculté de Médecine., Paris, France).*

### Coffee time

#### 11.00 – 11.45 **Mihaela Skobe. Lymphatic vasculature in cancer.**

*(Associate Professor Laboratory of Lymphatic Research and Metastasis, Department of Oncological Sciences and Tisch Cancer Institute Icahn School of Medicine at Mount Sinai New York, USA)*

#### 11.45 – 12.30 **Felix Wensveen. Workings of the adaptive immune system following vaccination and infection.**

*(Medical Faculty, University of Rijeka, Rijeka, Croatia)*

### Lunch time

#### 13.30 – 14.40 **QUIZ IN PATHOPHYSIOLOGY: Bioenergetic dysfunctions in etiopathogenesis of human disease (QUIZ WRITTEN TEST)**

#### 14.40 – 15.35 **AUDIOVISUAL FEATURED TOPIC: Adaptive capacity of stress reactivity. Can we consciously channel the stress towards beneficial physiological outcomes?**

### Coffee time

## Sep 30, 2021 THURSDAY

### Breakfast time

9.00 – 9.45 **Leonid Churilov. Autoimmunity as both physiological and pathological phenomenon and kaleidoscope of autoimmune diseases.**  
(Chairperson of Pathology Department, Deputy-Chief of the Laboratory of Mosaic of Autoimmunity, Leading Research Scientist Saint Petersburg Research Institute of Phthisiopulmonology Saint Peterburg, Russia)

9.45 – 10.10 **Dražen Belina. Functional secrets of thymus as central immune organ - Cardiac surgeon's point of view**  
(Department of Heart Surgery, National and University Hospital Centre KBC Zagreb, Rebro, Croatia)

10.10 – 10.30 **Daniela Miladinova. 70 years of Macedonian Pathophysiology: Where are we now?**  
(Head of Department, Institute of Pathophysiology and Nuclear Medicine "Acad Isac S. Tadzer" Faculty of Medicine University Sv Kiril i Metodij Skopje Macedonia)

### Coffee time

10.50 – 11.10 **Zrinka Pagon Belina. It's not all about SARS-CoV-2. What about EBV?**  
(Medical director, World Care Middle Europe Ltd; Resident, Department of Pediatrics, University Hospital Zagreb, Zagreb, Croatia)

11.10 – 11.30 **Karlo Toljan. Posterior reversible encephalopathy syndrome and reversible cerebral vasoconstriction syndrome.**  
(MD, Dept of Neurology, Neurological Institute, Cleveland Clinic, Cleveland, OH, USA)

11.30 – 11.50 **Valentina Kunić. Positive hydrostatic pressure of Trendelenburg position improves the brain sinking syndrome (Clinical case study).**  
(MD-General practitioner, Outpatient clinic Kapela, Bjelovar-Bilogora County Health Center, Bjelovar, Croatia)

11.50 – 12.10 **Zdenko Kovač. Mutual interactions of comorbidities. Can one disease prevent/inhibit some other diseases?**  
(Department of Pathophysiology, School of Medicine, University of Zagreb, National and University Hospital Centre KBC Zagreb, Rebro, Croatia)

12.10 – 12.30 **CLOSING CEREMONY**

### Lunch time

16.00 – 16.45 **Drew Pardoll. How to instruct the immune system to detect and kill cancer - the sleeper cell among all human diseases.**

(Abeloff Professor of Oncology, Director, Bloomberg-Kimmel Institute for Cancer Immunotherapy, Director, Cancer Immunology Program, The Sidney Kimmel Comprehensive Cancer Center, Johns Hopkins University School of Medicine, Baltimore, USA)

17.00 – 17.45 **Davor Solter. Epigenetic mechanisms controlling early mammalian development.**

(Emeritus Director, Max-Planck Institute of Immunobiology and Epigenetics, Freiburg, Germany)

## Sep 29, 2021 WEDNESDAY

### Breakfast time

9.00 – 9.45 **Slobodan Vukičević. How to recognize a patentable scientific discovery with a potential for drug development: Clinical testing of OSTEOGROW.**  
(Laboratory for mineralized tissues, Centre for translational and clinical research, University of Zagreb School of Medicine; Croatian Academy of Sciences and Arts, Zagreb, Croatia)

9.45 – 10.30 **Yoshihiro Ishikawa. Mechanical force-induced vascular regeneration.**  
(Professor & Chair Cardiovascular Research Institute Yokohama City University School of Medicine 3-9 Fukuura, Kanazawa, Yokohama, Japan)

### Coffee time

11.00 – 11.20 **Hwee Ming Cheng. PhysioQuiz's Progress; Asking Questions Across the Globe.** (Professor of Physiology, University of Malaysia, The founder of the Inter-Medical School Physiology Quiz (IMSPQ)-Series, Kuala Lumpur, Malaysia.)

11.20 – 12.45 **QUIZ IN PATHOPHYSIOLOGY: Bioenergetic dysfunctions in etiopathogenesis of human disease (PUBLIC ORAL COMPETITION)**

### Lunch time

13.45 – 19.00 **VISIT AND LEISURE TIME AT LOKRUM**  
(Recommended spots: Ruins of Benedictine Monastery, Botanical Gardens, Fort Royal Castle, Lokrum Dead Sea, beaches, ...)