

Professor Željko Dujic, MD, PhD

University of Split School of Medicine

phone: 00385 21 557 906

Department of Integrative Physiology

Fax: 00385 21 557 951

Šoltanska 2, 21000 Split, Croatia

E-mail: zeljko.dujic@mefst.hr

Date and place of birth: September 29th 1959, Split

Home address: Makarska 6, 21000 Split

Academic Degrees:

1983: M.D., University of Zagreb School of Medicine, Croatia

1986: Ph.D. in physiology, Medical College of Wisconsin, Wisconsin, USA

Positions Held:

1983-1986: Ph.D. student at Medical College of Wisconsin, Wisconsin, USA

1988-1991: assistant professor, Department of Physiology

1991-1996: associate professor, Department of Physiology

1996-1999: professor, Department of Physiology

1999-present: full professor of physiology.

2000-2006: Vice-rector for science and international affairs at University of Split

2005-2009: Member of the Board of the Croatian National Science Foundation

Marital Status: Married, two children (Goran and Andrea).

Scientific activities

PhD thesis: The effect of morphine on acetylcholine release and ganglionic sympathetic transmission, Medical College of Wisconsin, Milwaukee, SAD, 1986.

Publications: *CC/SCI publications:* 147 (for details see Pubmed:

<https://www.ncbi.nlm.nih.gov/pubmed/?term=dujic+z>)

Reviewer for Journals in CC/SCI (N=27):

Journal of Physiology

Journal of Applied Physiology

American Journal of Physiology: Heart and Circulatory Physiology

Experimental Physiology

International Journal of Sports Medicine

British Journal of Sports Medicine

European Journal of Applied Physiology

Journal of Athletic Training

International Journal of Cardiology

Chest

Journal of Science, Medicine in Sport

Clinical Autonomic Research

Croatian Medical Journal

Acta Physiologica

Aviation, Space and Environmental Medicine

Scandinavian Journal of Sports Medicine

Undersea Hyperbaric Medicine

Journal of Cardiac Failure

Frontiers in Physiology

Applied Physiology Nutrition Metabolism

Eur J Pharmacol

Comprehensive Physiology

Translational Neuroscience

Journal of Physiology and Biochemistry

Natural Product Research

PLOS One

Scientific Reports

Number of citations (WoS): 1600

H-index: 22

Influence on the various scientific fields:

Applied physiology: physiology of SCUBA and apnea diving, especially measurements of various cardiopulmonary parameters in simulated and field conditions, contribution of splenic contraction on the prolongations of subsequent apnea attempts, effects of exercise before, during and after simulated and field diving on inert gas bubble production.

Establishment of the department and the research laboratory:

Founder of the Department of Integrative Physiology at the University of Split School of Medicine and the Laboratory for clinical physiology, at the same institution. The Laboratory is equipped with modern, non-invasive instruments for evaluation of cardiopulmonary system at rest and during exercise such as laboratory and field spiroergometry, laboratory and field ultrasonic scanners with different tissue and vascular probes, respiratory mass spectrometer, transcranial Doppler, various ergometers (teadmill, byke and rowing) and different analytical instruments (lactate, blood gas machine, cooximeter, blood count).

Awards:

Awarded the medallion of Danice Hrvatske with the figure of Ruđera Boškovića 1996., the annual scientific award of the Croatian Academy for Science and Arts for medical research for 2003. and the annual scientific award of the Ministry of Science, Education and Sports for 2006.

Primary investigator (PI) in national scientific projects:

Primary investigator of four national scientific projects since 1991., technological project since 2002, collaborative scientific project since 2003. (composed of 6 projects) and research programme since 2007. (4 projects). PI of the Unity of Knowledge Fund (World bank) project 1B (2009-2011).

Primary investigator in International technological & research projects:

Primary investigator of the international technological project with Swiss company (Uwatec) and NTNU (2007 - two subprojects).

Three projects with Norwegian Labour Directorate (2009-2011).

PI US Navy 2011-2012.

Partner FP7 MC ITN Phypode 2011-2014.

Invited scientific lectures (N=30)

Mentored 15 PhD and 3 master students.

Teaching activities

1. Graduate obligatory courses (School of Medicine, School of Pharmacy, School of Nursing, School of radiological medical engineer, all at the University of Split): physiology and neuroscience.
2. Post-graduate courses (University of Split School of Medicine, University of Rijeka School of Medicine, University of Zagreb School of Medicine). Coordinator of the PhD programme in basic and clinical medical sciences at the University of Split School of Medicine since 1999. with three tracks in Clinical physiology, Sports medicine and Clinical medicine.
3. Post-graduate courses (University of Split School of Medicine and University of Trondheim School of Medicine). Coordinator of the International doctoral programme in Applied Physiology as a joint PhD study between University of Split School of Medicine and University of Trondheim School of Medicine.
4. Post-graduate doctoral programme in Evidence-based medicine at the University of Split School of Medicine (coordinator together with professor Stjepko Gamulin), 2008-present.

Books

Professional

National coordinator and the coauthor of the book OECD Thematic Review of Tertiary Education Country Background Report for Croatia, published for the OECD Tertiary Education Comparative Project in 2007, Ministry of Science, Education and Sports.

Science

Author of the chapter entitled: „Endothelium, exercise and diving“ in „The future of diving: 100 years of Haldane and beyond“, eds Michael A Land and Alf O Brubakk, Smithsonian Institution Scholarly Press, Washington DC, USA, 2009, pages 71-76.

Coauthor of the chapter entitled „Apnea diving“ in „Exercise physiology: from a cellular to an integrative approach“, eds Phillipe Commes, Olivier Hue and Stephane Perrey, IOS Press, 2010, pages 431-444.

Coauthor of the chapters entitled „CHAPTER 5: DIVING AND THE BLOOD VESSELS“ and „CHAPTER 8: BUBBLES ARTERIALIZATION: PFO AND PULMONARY SHUNTS“ in „Science of diving“, editors prof. Constantino Balestra and Peter Germonpre MD, 2014, pages 99-115 and 151-161.

Professional activities

Member of different committees at **the University of Split School of Medicine, Split, Croatia:**

1. Vice dean for science and postgraduate studies 1997-2001,
2. Coordinator of the committee for science 1997-2001,
3. Coordinator of the PhD programme in basic and clinical medical sciences since 1999-2007 with three tracks in Clinical physiology, Sports medicine and Clinical medicine,
4. Member of PhD committee, 2001-2015.
5. Coordinator of International PhD programme in Applied Physiology 2005-2014,
6. Coordinator of Evidence-based Clinical Medicine PhD programme 2008-present and
7. Coordinator of Clinical Epidemiology, master programme 2009-present.

The University of Split, Split, Croatia

1. Vice rector for science and international affaires 2000 – 2006,
2. Committee for diploma nostrification 2000-2004,
3. Committee for University books and manuals 2000 – 2007,
4. Committee for postgraduate studies 2005-2008,
5. Committee for awarding emeritus professorships 2008-present,
6. Research committee 2007-present.

Ministry of Science, Education and Sports, Zagreb, Croatia

1. Committee for equipment 2000 - 2005, president,
2. Committee for legislation 2003,
3. Committee for OECD report 2005-8, national coordinator and
4. Member of national science award committee 2004-2008 and 2012-2016.

National foundation for science, Zagreb, Croatia

1. Board member, 2005-2009
2. Evaluator.

Croatian Physiological Society

1. President 2009-2013.
2. Member of the board 2004-present.

Zeljko Dujic

A handwritten signature in black ink, appearing to read 'Zeljko Dujic'. The signature is stylized with large, sweeping loops and a prominent 'Z' at the beginning.