

• PERSONAL INFORMATION

Family name, First name: **Ljubkovic, Marko**

Date of birth: December 14, 1977

Tel: +385 21 557 946

marko.ljubkovic@mefst.hr



• EDUCATION

1996 – 2002 MD, University of Zagreb School of Medicine, Zagreb, Croatia

2003 – 2007 PhD in Physiology, Medical College of Wisconsin, Milwaukee, Wisconsin, USA

• CURRENT POSITION(S)

2018 – Professor of Physiology

Department of Integrative Physiology, University of Split School of Medicine

• PREVIOUS POSITIONS

2012 – 2017 Associate Professor, University of Split School of Medicine

2008 – 2012 Assistant Professor, University of Split School of Medicine

2007 – 2008 Senior Instructor, University of Split School of Medicine

• FELLOWSHIPS AND AWARDS (incl. RESEARCH GRANTS)

2005 – 2007 American Heart Association, USA, **Principal investigator** on the project "Targeted expression of KATP channel subunits in mitochondria and protection against hypoxic stress"

2003 – 2007 National Institutes of Health, USA, Co-investigator on the project "KATP channels in Anesthetic-induced Cardiac Preconditioning"

2008 Unity through Knowledge Fund, **Principal investigator** on the training project "Animal Model for Studying the Effects of Exercise on Cardiac Function"

2009 – 2011 Unity through Knowledge Fund, **Principal investigator** on the project "Exercise-induced improvement of chronic heart failure: the role of KATP channels and mitochondria"

2009 – 2011 Unity through Knowledge Fund, Co-investigator on the project "Physiology of SCUBA diving"

2011 – 2014 European Commission, FP7 Marie Curie, Co-investigator on the project "Phypode – physiopathology of decompression"

2011 – 2014 Office of Naval Research, US Navy, Co-investigator on the project "Development of capacities for underwater assessment of cardiovascular parameters"

2013 – 2016 Croatian Science Foundation, Co-investigator on the project "Myocardial energetics as a target for treatment of ischemic heart disease: A translational approach from patient to mitochondria"

2014 – 2017 Croatian Science Foundation, Co-investigator on the project "Investigating pathological processes in ischemic human myocardium; basic science tools for major health problem"

2015 – 2018 Central Norway Regional Health Authority, Co-investigator on the project "Hyperoxia and mitochondrial function – using a translational model of diving to investigate the effects of oxidative stress."

2016 – 2020 European Commission, European Cooperation in Science and Technology Program, Co-investigator on the project "MitoEAGLE – Mitochondrial fitness mapping"

2017 – 2021 Croatian Science Foundation, **Principal investigator** on the project "Studying Reperfusion Injury in Human Heart; How to Combat Negative Aspects of a Life-saving Therapy"

• SUPERVISION OF DOCTORAL AND POSTDOCTORAL STUDENTS

2011 – 2013 Mentor on a doctoral dissertation, Jakša Zanchi

2011 – 2014 Graduate School of Biomedical Sciences, Medical School of Split
Member of the PhD thesis committee, Qiong Wang
Graduate School of Biomedical Sciences, University of Brest, France

2014 - 2017 Mentor on a doctoral dissertation, Marija Cavar
Graduate School of Biomedical Sciences, Medical School of Split

• **TEACHING ACTIVITIES**

2004 – 2007 Course in Human Medical Physiology
Medical School and Graduate School of the Medical College of Wisconsin,
Milwaukee, WI, USA

2007 – Course in Human Medical Physiology
MD program in Croatian and English, Medical School in Split

2010 – Course in Medical Physiology
Dental medicine program, Medical School in Split

2007 – Course “Principles of Scientific Methodology”
Graduate School of Biomedical Sciences, Medical School in Split

2015 – **Head** of the Course “Writing Research Projects”
Graduate School of Biomedical Sciences, Medical School in Split

2014 – **Head** of the elective course “Basic principles of cardiac
electrophysiology and bioenergetics” MD program in Croatian and
English, Medical School in Split

• **ORGANIZATION OF SCIENTIFIC MEETINGS**

2010 Annual conference of the Croatian Physiological Society, co-organizer
International conference in Physiology in Split, Croatia

• **INSTITUTIONAL RESPONSIBILITIES**

2009 – now Member of the Institutional Ethics Committee (current President)
Medical School in Split, Croatia

2010 – 2015 Member of the Animal Facility Committee
Medical School in Split, Croatia

• **MEMBERSHIPS**

Reviews for scientific journals: Circulation-Heart Failure, Journal of Applied Physiology,
Experimental Physiology, European Journal of Applied Physiology, Pulmonary Medicine
Editorial boards: Guest Editor of the special issue of BioMed research international journal
entitled “The Roads to Mitochondrial Dysfunction”
Reviewer for research projects: European Commission, Croatian Ministry of Science and
Education

• **MAJOR SCIENTIFIC COLLABORATIONS**

Zeljko J. Bosnjak, PhD, Medical College of Wisconsin, Milwaukee, USA
Martin Bienengraeber, PhD, Medical College of Wisconsin, Milwaukee, USA
Ulrik Wisloff, PhD, Norwegian University of Science and Technology, Trondheim, Norway
Renee Ventura Clapier, PhD, INSERM-University of Paris-Sud, France
Godfrey Smith, PhD, University of Glasgow, Scotland, UK
Zeljko Dujic, MD, PhD, Medical School in Split, Croatia

• **RESEARCH AND PROFESSIONAL INTERESTS**

Together with Dr. Jasna Marinovic established the Laboratory of Cellular Physiology at the
Medical School in Split, Croatia.
Research interests primarily include studying the pathophysiological mechanisms developing as
a result of ischemia in human myocardium, with the emphasis on the role of mitochondria and
cardiac bioenergetics.
Involved in development of new teaching courses at the School, with the emphasis on the
advanced selected topics in human medical physiology and training the MD and PhD students
in scientific methodology and projects writing.

• **PUBLICATIONS**

<https://www.ncbi.nlm.nih.gov/pubmed/?term=ljubkovic+m>