

**Ljubković Marko, MD, PhD** (scientist number: 299811)

Date of birth: December 14th, 1977.

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Phone: + 385 21 557 946

**Education**

1996 – 2002 MD, University of Zagreb School of Medicine

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

**Employment**

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

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

2012 - current Associate professor, University of Split School of Medicine

**Research grants and awards:**

**2005 -2007:** American Heart Association; Principal Investigator on the project “*Targeted expression of KATP channel subunits in mitochondria and protection against hypoxic stress*”

**2009 – 2011:** Unity through Knowledge Fund; Co-investigator on the project entitled “Physiology of SCUBA diving”

**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”

**2011 – 2014:** Office of Naval Research, USA; Collaborator on the project “Development of capacities for underwater assessment of cardiovascular parameters”

**2013 – March 2016:** Croatian Science Foundation; Principal 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; Collaborator on the project “Investigating pathological processes in ischemic human myocardium; basic science tools for major health problem”

**Supervision of doctoral and postdoctoral students:** Mentor on 2 doctoral dissertations

**Research profile**

Research interests include investigation of mitochondrial function in cardiac disease and cardioprotective strategies targeting mitochondria.

**Publications:**

Selected 5 publications in past 5 years:

1. Cavar et al., Br J Pharmacol. 2016; 173(9):1529-40. (Corresponding author, IF 4.8, Q1)
2. Kraljevic et al., Cardiovasc Res. 2013; 1;99(1):55-64. (Corresponding author, IF 5.9, Q1)
3. Kraljevic et al., Med Sci Sports Exerc. 2015; 47(12):2504-12. (Co-author, IF 4.4, Q1)
4. Jukic et al., Am J Cardiol. 2015; 15;116(6):853-7. (Co-author, IF 3.3, Q2)
5. Madden et al., J Appl Physiol. 2013; 1;115(5):716-22. (Corresponding author, IF 3.1, Q1)

**Prof. dr. sc. Marko Ljubković, dr.med.** (Matični broj znanstvenika: 299811)

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### **Školovanje**

1996 – 2002 Doktor medicine; Medicinski fakultet Sveučilišta u Zagrebu

2003 – 2007 Dr. sc., Medical College of Wisconsin, Milwaukee, SAD

### **Zaposlenje**

2007 – 2008 Viši asistent; Medicinski fakultet Sveučilišta u Splitu

2008 – 2012 Docent, Medicinski fakultet Sveučilišta u Splitu

2012 - Izvanredni profesor; Medicinski fakultet Sveučilišta u Splitu

### **Znanstveni projekti i nagrade:**

**2005 – 2007:** American Heart Association; Voditelj projekta " *Targeted expression of KATP channel subunits in mitochondria and protection against hypoxic stress* "

**2009 – 2011:** Jedinstvo uz pomoć znanja (UKF) fond; Istraživač na projektu "Physiology of SCUBA diving"

**2008:** Jedinstvo uz pomoć znanja (UKF) fond; Voditelj projekta "Animal Model for Studying the Effects of Exercise on Cardiac Function".

**2009 – 2011:** Jedinstvo uz pomoć znanja (UKF) fond; Voditelj projekta na projektu "Exercise-induced improvement of chronic heart failure: the role of KATP channels and mitochondria"

**2011 – 2014:** Office of Naval Research, USA; Istraživač na projektu "Development of capacities for underwater assessment of cardiovascular parameters"

**2013 – 2016:** Hrvatska zaklada za znanost; Istraživač na projektu "Myocardial energetics as a target for treatment of ischemic heart disease: A translational approach from patient to mitochondria".

**2014 – 2017 :** Hrvatska zaklada za znanost; Istraživač na projektu "Investigating pathological processes in ischemic human myocardium; basic science tools for major health problem"

**Mentorstva:** Mentor na 2 doktorske disertacije

### **Znanstveni interesi**

Uključuju istraživanje mitohondrijske funkcije u srčanoj ishemijskoj bolesti te kardioprotektivnih intervencija koje moduliraju mitohondrijsku funkciju.

**Znanstveni radovi** Popis odabranih 5 publikacija tijekom proteklih pet godina:

1. Cavar et al., Br J Pharmacol. 2016; 173(9):1529-40. (Corresponding author, IF 4.8, Q1)
2. Kraljevic et al., Cardiovasc Res. 2013; 1;99(1):55-64. (Corresponding author, IF 5.9, Q1)
3. Kraljevic et al., Med Sci Sports Exerc. 2015; 47(12):2504-12. (Co-author, IF 4.4, Q1)
4. Jukic et al., Am J Cardiol. 2015; 15;116(6):853-7. (Co-author, IF 3.3, Q2)
5. Madden et al., J Appl Physiol. 2013; 1;115(5):716-22. (Corresponding author, IF 3.1, Q1)