



# Curriculum Vitae

## HRZZ Form

### PERSONAL INFORMATION

Name and surname **Darija Baković**  
 Academic title MD, PhD  
 Year and institution of PhD obtained 2006, University of Split School of Medicine  
 Address Šoltanska 2, 21 000 Split  
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 Personal web page <http://genom.mefst.hr/physiology/cv/dbakovic.html>  
 Citizenship Croatian  
 Date and place of birth April 30, 1975; Livno, Bosnia and Herzegovina

### WORK EXPERIENCE<sup>1</sup> (CHRONOLOGICALLY\*)

Date (from – until) 1999 - 2006  
 Institution University of Split School of Medicine and Clinical Hospital Split  
 Position PhD student and Internal medicine specializing  
 Work field *Clinical Physiology and Internal Medicine*

Date (from – until) 2006 - 2011  
 Institution University of Split School of Medicine and Clinical Hospital Split  
 Position Assistant professor and Internal medicine specialist  
 Work field *Clinical Physiology and Internal Medicine*

Date (from – until) 20011 – current  
 Institution University of Split School of Medicine and Clinical Hospital Split  
 Position Professor and Internal medicine specialist - cardiologist  
 Work field *Clinical Physiology and Cardiology*

### EDUCATION<sup>2</sup> (CHRONOLOGICALLY)

Date 1993 – 1999  
 Place Split, Croatia  
 Institution University of Zagreb School of Medicine Split  
 Title of qualification awarded Medical doctor

Date 1999 – 2006  
 Place Split, Croatia  
 Institution University of Split School of Medicine and Clinical Hospital Split  
 Title of qualification awarded PhD and Internal medicine specializing  
 awarded 2004. [The Academy of Medical Sciences of Croatia](#) annual award for the most valuable medical publication for the author under 35 years of age

<sup>1 2 3</sup> Please add rows to enter all required information

\* all information in the document should be entered chronologically – from the most recent to the oldest

Date 2008 – 2011  
 Place Split, Croatia  
 Institution University of Split School of Medicine and Clinical Hospital Split  
 Title of qualification awarded Sub specializing in cardiology

**TRAINING**

(CHRONOLOGICALLY)

Year 2010  
 Place Trondheim, Norway  
 Institution Norwegian University of Science and Technology (NTNU)  
 Subject and skills covered During the two week visit to Department of Circulation and Medical Imaging we were trained in some of the latest applications in cardiac ECHO include tissue velocity imaging (TVI), tissue tracking (TT) and tissue synchronization imaging. They show the tissue velocity and displacement in the direction of the ultrasound beam and translate comprehensive quantification into an easy-to understand image demonstrating mechanical synchronicity of different myocardial segments. The described approach has a paramount importance in establishing the real ventricular systolic and diastolic function thus improving the diagnostic potential and the healthcare in general, as well as enabling the performance of more complex and advanced scientific.

**LANGUAGES**

**MOTHER TONGUE** Croatian  
**ENGLISH LANGUAGE**  
 Speaking Yes  
 Writing Yes  
 Reading Yes

**OTHER FOREIGN LANGUAGES<sup>3</sup>**

Language  
 Speaking  
 Writing  
 Reading

**RESEARCH AND OTHER PROJECTS**

(CHRONOLOGICALLY; LEADER AND ASSOCIATES; FUNDING SOURCE)

2001. Regulation of the blood flow to the skeletal muscle, scientific project (0216007) - coinvestigator; awarded by the Croatian Ministry of Science, Education and Sports (Principal investigator Dr. Davor Eterović).

2001. Anaerobic exercise is reducing formation of venous gas bubbles in divers, scientific project (0216006) - coinvestigator; awarded by the Croatian Ministry of Science, Education and Sports (Principal investigator Dr. Zeljko Dujic).

2006. Apnea diving and cardiovascular system, scientific project (216-2160133-0330)– coinvestigator; awarded by the Croatian Ministry of Science, Education and Sports (Principal investigator Dr. Zoran Valić).

2006. Diving with compressed air and cardiovascular system, scientific project (216-2160133-0130) – coinvestigator; awarded by the Croatian Ministry of Science, Education and Sports (Principal investigator Dr. Zeljko Dujic).

2010. The application of latest advances in Doppler echocardiography in clinical and experimental

echocardiology - project leader; awarded by the Unity through Knowledge Fund.

## TEACHING

(CHRONOLOGICALLY; UNDERGRADUATE, GRADUATE , POSTGRADUATE STUDY PROGRAMMES)

2010 – current: MD program, University of Split School of Medicine  
 2011 – current: Dental medicine program, University of Split School of Medicine  
 2006 – current: Postgraduate program, University of Split School of Medicine  
 2006 – current: Pregraduate programs for nursing, physiotherapy, and radiology, University of Split School of Medicine  
 2011 – current: Pharmacist program, University of Split School of Chemistry

## MENTORSHIP OF DEFENDED DOCTORAL AND MASTER DISSERTATIONS AND TRAINING OF YOUNG RESEARCHERS AND SCIENTISTS

(CHRONOLOGICALLY)

Finished mentors one PhD student.  
 Currently mentors one PhD student.

## VISITS TO FOREIGN RESEARCH AND EDUCATION INSTITUTIONS

(CHRONOLOGICALLY; ONLY VISITS LONGER THAN 3 MONTHS)

## AWARDS AND RECOGNITIONS

(CHRONOLOGICALLY)

2004. *The Academy of Medical Sciences of Croatia* annual award for the most valuable medical publication for the author under 35 years of age  
 2004. - *Medical Scholl in Split* a annual award for the most valuable medical publication

## ORGANIZATIONAL SKILLS AND COMPETENCES

(CHRONOLOGICALLY; ORGANIZATION OF HOME AND INTERNATIONAL SCIENCE EVENTS )

## MEMBERSHIP IN SCIENCE ORGANIZATIONS AND BODIES

(CHRONOLOGICALLY; HOME AND INTERNATIONAL ORGANIZATIONS AND BODIES)

2006 - current: Croatian Physiological Society  
 2008 - current: Croatian Society of Cardiology  
 2008 - current: European Society of Cardiology

## COMMISSIONS, COMMITTEES, BOARDS AND WORK GROUPS

(CHRONOLOGICALLY; HOME AND INTERNATIONAL)

## PAPERS

(CHRONOLOGICALLY; RESEARCH BOOKS, HOME AND INTERNATIONAL RESEARCH JOURNALS, HOME AND INTERNATIONAL CONFERENCE PROCEEDINGS; PLEASE WRITE THEIR IMPACT FACTOR)

These are 10 selected publications from total of 27 research papers.

1. Dzamonja G, Tank J, Heusser K, Palada I, Valic Z, **Bakovic D**, Obad A, Ivancev V, Breskovic T, Diedrich A, Luft FC, Dujic Z, Jordan J. Glossopharyngeal insufflation induces cardioinhibitory syncope in apnea divers. *Clin Auton Res*. 2010 Dec;20(6):381-4. (IF 1,3)
2. **Bakovic D**, Pivac N, Eterovic D, Palada I, Valic Z, Paukovic-Sekulic B, Dujic Z. Changes in platelet size and spleen volume in response to selective and non-selective beta-adrenoceptor blockade in hypertensive patients. *Clin Exp Pharmacol Physiol*. 2009 Apr;36(4):441-6. (IF 1,96)
3. Heusser K, Dzamonja G, Tank J, Palada I, Valic Z, **Bakovic D**, Obad A, Ivancev V, Breskovic T, Diedrich A, Joyner MJ, Luft FC, Jordan J, Dujic Z. Cardiovascular regulation during apnea in elite divers. *Hypertension*. 2009 Apr;53(4):719-24. (IF 6,9)
4. **Bakovic D**, Glavas D, Palada I, Breskovic T, Fabijanic D, Obad A, Valic Z, Brubakk AO, Dujic Z. High-grade bubbles in left and right heart in an asymptomatic diver at rest after surfacing. *Aviat Space Environ Med*. 2008 Jun;79(6):626-8. (IF 0,99)
5. **Bakovic D**, Eterovic D, Palada I, Valic Z, Dujic Z. Does breath-holding increase the risk of a thrombotic event? *Platelets*. 2008 Jun;19(4):314-5.(IF 2,2)
6. Palada I, **Bakovic D**, Valic Z, Obad A, Ivancev V, Eterovic D, Shoemaker JK, Dujic Z. Restoration of hemodynamics in apnea struggle phase in association with involuntary breathing movements. *Respir Physiol Neurobiol*. 2008 Apr 30;161(2):174-81. (IF 2,3)
7. **Baković D**, Eterović D, Valic Z, Saratlija-Novaković Z, Palada I, Obad A, Dujčić Z. Increased pulmonary vascular resistance and reduced stroke volume in association with CO<sub>2</sub> retention and inferior vena cava dilatation. *J Appl Physiol*. 2006 Sep;101(3):866-72. (IF 3,73)
8. **Baković D**, Eterović D, Saratlija-Novaković Z, Palada I, Valic Z, Bilopavlović N, Dujčić Z. Effect of human splenic contraction on variation in circulating blood cell counts. *Clin Exp Pharmacol Physiol*. 2005 Nov;32(11):944-51. (IF 2,03)
9. Dujic Z, **Bakovic D**, Marinovic-Terzic I, Eterovic D. Acute effects of a single open sea air dive and post-dive posture on cardiac output and pulmonary gas exchange in recreational divers. *Br J Sports Med*. 2005 May;39(5):e24 (IF 3,5)
10. **Baković D**, Valic Z, Eterović D, Vukovic I, Obad A, Marinović-Terzić I, Dujčić Z. Spleen volume and blood flow response to repeated breath-hold apneas. *J Appl Physiol*. 2003 Oct;95(4):1460-6.(IF 3,73)

**OTHER RESEARCH ACTIVITIES**

(CHRONOLOGICALLY; CHIEF EDITOR OR EDITOR OF RESEARCH BOOK, HOME AND INTERNATIONAL RESEARCH JOURNALS, HOME AND INTERNATIONAL CONFERENCE PROCEEDINGS AND OTHER)

**COMPUTER SKILLS**

Regularly using computer with the purpose of writing the scientific papers, data acquisition and analysis, preparation of presentations and scientific posters by using various software that includes MS Office, Statistica, Reference Manager, Sigma Plot etc.

**OTHER IMPORTANT SKILLS AND COMPETENCES****ADDITIONAL INFORMATION AND NOTES**