

CURRICULUM VITAE

Associate Professor, V E S N A B O R A S K A P E R I C A, PhD.

Work:

University of Split Medical School
Department of Medical Biology
Šoltanska 2, 21000 Split, Croatia
Tel: +385 21 557 873
Cell: +385 91 534 15 12
E-mail: vboraska@mefst.hr

LANGUAGES:

Croatian (native)
English (proficient)
Spanish (basic)
Italian (basic)

EMPLOYMENT:

Associate professor, Department of Medical Biology, Split University Medical School

EDUCATION:

- 2008 PhD thesis: *Inheritance of Vitamin D Receptor, Tumour Necrosis Factor and Lymphotoxin Alpha Gene Polymorphisms in Type 1 Diabetes Mellitus Families*.
University of Zagreb, Faculty of Mathematics and Natural Sciences,
Department of Biology
- 2003-2008 PhD program: Molecular and Cellular Biology, University of Zagreb, Faculty of
Mathematics and Natural Sciences, Department of Biology
- 1996-2001 Bachelor of Science, University of Zagreb, Faculty of Mathematics and
Natural Sciences, Department of Biology/Environmental studies; grades
average 4.78; Graduation Thesis: *"Gastropods and Bivalves in Cystoseira
settlements of Split peninsula"*
- 1992-1996 Secondary school of Natural Sciences, Split

WORK EXPERIENCE:

- 2002-2018 Scientific novice / Research associate / Higher research assistant / Assistant
professor / Associate professor, Department of Medical Biology, Split
University Medical School

- 2013 Short-term training in the field of exome-sequence analysis and population genetics supervised by Dr. Eleftheria Zeggini, Wellcome Trust Sanger Institute, Wellcome Trust Genome Campus, Hinxton, Cambridge, UK (2 weeks)
- 2012 Postdoctoral research supervised by Dr. Eleftheria Zeggini, Human Genetics Department, Wellcome Trust Sanger Institute, Wellcome Trust Genome Campus, Hinxton, Cambridge, UK (2 months)
- 2011 Postdoctoral research supervised by Dr. Eleftheria Zeggini, Human Genetics Department, Wellcome Trust Sanger Institute, Wellcome Trust Genome Campus, Hinxton, Cambridge, UK (9 months)
- 2009-2010 Postdoctoral research supervised by Dr. Eleftheria Zeggini, Human Genetics Department, Wellcome Trust Sanger Institute, Wellcome Trust Genome Campus, Hinxton, Cambridge, UK (11 months)
- 2007 Study visit supervised by Prof. Mark McCarthy, Wellcome Trust Center for Human Genetics, University of Oxford, 1st February – 15th June 2007
- 2002 Practical Training, National Parks Program at the National Park Mljet, supervised by the Ministry of Environmental Protection and the US National Park Service, funded by the U.S. Agency for International Development (USAID) (10 weeks)
- 2002 Supervisor, DDD preparations (disinfections and deratization) in Ekosan DDD Company (7 months)

ADDITIONAL EDUCATION:

- 2011 Course in Next Generation Sequencing for rare and common genetic disorders”, European School of Genetic Medicine, 14th -17th April 2011, Bologna, Italy
- 2010 Using Unix at the Sanger Centre, Wellcome Trust Sanger Institute, 23rd March 2010
- 2010 Beginner's guide to R course, Department of Genetics, University of Cambridge, 15th -16th February 2010
- 2008 British Council Training Workshop: “Building a Successful International Research Career”, Lisbon, 2nd – 4th December 2008
- 2008 Continual Medical Education “Skills in Medical Education and Scientific Work”, 11th -13th February 2008, Medical School, University of Split
- 2008 European School of Genetic Medicine “Hybrid Course in Non-Invasive Prenatal Diagnosis”, 24th-25th February 2008, ESGM’s remote training center of Split, Croatia

- 2007 Wellcome Trust Advanced Course: “Working with the HapMap”, 2nd -5th April 2007, Hinxton, Cambridge, UK
- 2006 1st MedILS Summer School “Structure and Evolution: from Bench to Terminal”, from 18th-22nd July 2006, Mediterranean Institute for Life Sciences, Split, Croatia
- 2005 FEBS & UNESCO-ICRO Advanced Course “Modern Approach in Genome Analysis for Medical Application”, 5th-18th June 2005, University of Latvia, Riga, Latvia
- 2004 Practical Course, “Introductory Statistics and Research Methods And Getting Started With SPSS”, 24th-27th August 2004, organized by Centre for Applied Medical Statistics-University of Cambridge, Split
- 2004 ICGEB Course, “First LatinAmerican Course on Human Disease Gene Mapping”, 12th-16th July 2004, University of Antioquia, Medellin, Colombia
- 2004 Practical Course, “Introduction to Bioinformatics”, 5th-7th July 2004, University of Zagreb
- 2004 Continual Medical Education “Writing of a Scientific Paper”, 13th-15th April 2004, Croatian Medical Journal (CMJ) organisation
- 2000 WWF MedSchool: Conservation and Management of Mediterranean Natural Areas with the collaboration of Autonomous Government of Catalonia and WWF Italy (two weeks course)

SCHOLARSHIPS & AWARDS:

- 2015 Award for the first authorship for the best scientific article from Medical School, University of Split in the year 2014/2015
- 2013 Annual Young Scientist Award – Croatian Society for Biochemistry and Molecular Biology (HDBMB)
- 2012 ENGAGE (European Network of Genomic and Genetic Epidemiology) Young Investigator - Summer 2012 based on the publication ‘Genome-wide meta-analysis of common variant differences between men and women’ (Boraska et al., Hum Mol Genet, August 2012)
- 2006-2008 Scholarship for the best post degree student from the Split municipality 2006/2007 and 2007/2008
- 2006 Award for the first authorship for the best scientific article from Medical School, University of Split in the year 2005/2006
- 1996-2001 Croatian National Scholarship Award for undergraduate students
- 1994 and 1995 1st place, Croatian National Championship in Softball, playing for Softball Team “Nada” Split

GRANT HOLDER:

- 2016 Foundation Adris program „Knowledge and Discoveries”, project „Analysis of immunologic response to food proteins in development of Hashimoto’s thyroiditis” (13,300 €)
- 2014 Croatian Foundation for Science Installation grant „Genome-wide association analysis of Hashimoto thyroiditis”, Medical School University of Split (133,000€)
- 2011 Unity Through Knowledge Fund CONNECTIVITY PROGRAM (“Gaining Experience” Grant 2A) for postdoctoral research project „Establishing novel genetic loci for eating disorder-related traits, brachial circumference and sex” at the Wellcome Trust Sanger Institute, Wellcome Trust Genome Campus, Hinxton, Cambridge, UK
Project leader
(9,500€)
- 2009-2010 The National Foundation for Science, Higher Education and Technological Development of the Republic of Croatia, BRAIN GAIN- Postdoc fellowship for postdoctoral research project “Analysis and interpretation of large-scale association studies: application to the 10,001 Dalmatians data” at the Wellcome Trust Sanger Institute, Wellcome Trust Genome Campus, Hinxton, Cambridge, UK
Project leader
(11,300€)
- 2007 British Scholarship Trust fellowship for study visit at Wellcome Trust Center for Human Genetics, University of Oxford
Project leader
(3,700€)

OTHER PROJECTS:

- 2013 Collaborator on the European Sequencing and Genotyping Infrastructure (ESGI) project “Understanding patterns of genome-wide heterozygosity in a sample of the Croatian isolated populations” lead by dr. Ozren Polasek, Split University Medical School. ESGI received funding from the European Union Seventh Framework Programme (FP7/2007-2013) under grant agreement n° 262055.
- 2009-2014 Collaborator on the Wellcome Trust Case Control Consortia III (WTCCC3) project „Genome-wide association analysis of anorexia nervosa” (098051)
- 2007-current Research associate at the project “Genetic Epidemiology of Type 1 Diabetes Mellitus in Croatian Population” (project number 216-1080315-0293) supervised by Prof. Tatijana Zemunik, Department of Medical Biology, Split University Medical School
- 2007-current Research associate on the program “Croatian Biobank: Resource for Analyzing Health and Disease Determinants in Population” supervised by Prof. Igor Rudan, funded by Ministry of Science, Education and Sports of the

Republic of Croatia, European Framework programme 6, The Medical Research Council UK, The Royal Society UK, The WellcomeTrust, U.S. National Institutes of Health (NIH) and The British Council

2002-2007 Scientific novice at the project "Genetic study of Type 1 Diabetes Mellitus in Dalmatian population" (project number 0216011), supervised by Dr. Tatijana Zemunik, Professor, Department of Medical Biology, Split University Medical School

MENTORSHIP ON DOCTORAL THESIS:

2018. PhD student Luka Brčić, mag. math, has defended doctoral thesis entitled „Hashimoto’s thyroiditis: discovery of genetic variants underlying disease development” on 18.12.2018. under mentorship of Assoc. Prof. Vesna Boraska Perica

MENTORSHIP ON DIPLOMA THESIS:

2017. Student Iva Anić has defended doctoral thesis entitled „Phenotypic characterisation of patients with Hashimoto’s thyroiditis” on 27.10.2017. under mentorship of Assoc. Prof. Vesna Boraska Perica

INVITED TALKS/ORAL PRESENTATIONS:

2018 Short oral presentation "Apoptosis-antagonizing transcription factor AATF and chromatin-remodeling SMARCA2 are associated with thyroid volume in Hashimoto's thyroiditis patients. 4th Congress of Croatian Geneticists with international participation, Krk, 26.-29. September 2018

2017 Invited lecture "Genome-wide association analysis approach in identifying loci for complex diseases, an example for Hashimoto's thyroiditis", Second Adriatic Symposium on Biophysical Approaches in Biomedical Studies. Split, Croatia, 24-28 September 2017.

2017. Invited talk „Cjelogenomska analiza povezanosti Hashimotovog tiroiditisa“, presentation of Installation Research Grant in organisation of Croatian Science Foundation, Split, 11. May 2017.

2017 Invited talk "Genome-wide association analysis of Hashimoto’s thyroiditis” at the workshop "Genetic analysis of thyroid and parathyroid function", 15.-16.05.2017, Split University School of Medicine, Split, Croatia

2013 Invited talk "The use of genome-wide association studies: an example of the research of Anorexia Nervosa". Annual meeting of Croatian Society for Biochemistry and Molecular Biology (HDBMB), Zagreb, Croatia

2013 Oral presentation "WTCCC3 and GCAN: A Genomewide Association Study of Anorexia Nervosa” at the 8th ISABS Conference in Forensic, Anthropologic and Medical Genetics and Mayo Clinic Lectures in Translational Medicine, Split, Croatia

- 2012 Invited talk “All my genes” at Science Festival, University of Split, 2012.
- 2010 Lecture “Analysis and interpretation of large-scale association studies: application to the 10,001 Dalmatians data”, 9th March 2010, Statistical genetics meetings, Wellcome Trust Sanger Institute, Wellcome Trust Genome Campus, Hinxton, Cambridge, UK
- 2010 Lecture “Genome-wide meta-analysis of brachial circumference”, 15th June 2010, Human Genetics Team Talks, Wellcome Trust Sanger Institute, Wellcome Trust Genome Campus, Hinxton, Cambridge, UK
- 2009 Invited talk “Mutation: a driving force of evolution” at Science Festival, University of Split, 22nd April 2009
- 2007 Lecture “WTCCC genome-wide analysis of parent-of-origin- effect in type 2 diabetes”, Oxford Center for Diabetes, Endocrinology & Metabolism, Oxford, UK
- 2004-20016 Lecturer of “Marine Ecology” at the Rescue Course in organization of Red Cross Service for Lifeguard on the Sea Water
- 2004 Lecture on genetic modified organisms; Secondary school of Natural Sciences; Split

EXTERNAL EXPERT FOR EU PROJECTS:

- 2018 COST, open Call OC-2018-1
- 2017 COST, open Call OC-2016-2
- 2016 COST (European Cooperation in Science and Technology), open Call OC-2016-1, financed under EU Framework Program
- 2015 Horizon 2020, call identifier 'Personalizing health and care' (H2020-PHC-2015), project proposals under “PHC-03-2015 Understanding common mechanisms of diseases and their relevance in co-morbidities” and “PHC 18 – 2015 Establishing effectiveness of health care interventions in the paediatric population”

PROFESSIONAL ACTIVITIES:

- 2011 Skype interview with pupils from “High School” in Ogulin, Croatia
http://www.skole.hr/skole/vijesti_iz_skola?news_id=6715
- 2008 Organiser of Dr. Eleftheria Zeggini scientific visit/talk “Type 2 diabetes genetics: starting to solve the puzzle” at Medical School, University of Split, Split, Croatia

- 2008 Participation in the FameLab final, a competition in short scientific talks, organised by British Council in Croatia
- 2007 An on-line article on new discoveries of genetic background of obesity, <http://www.glasdalmacije.com/?show=0&article=342>
- 2001 Co-founder and active participant of the project “Information and education on legal protection of the Croatia sea and coast”
- 2000 Organizing team member, the International congress LITTORAL 2000 “Responsible Coastal Zone Management - The Challenge of the 21st Century”, Cavtat, Croatia
- 1999-2000 Organiser of lectures for Biological Students Association
- 1999 Field work collaborator, “Spawning of the siphonal algi *Caulerpa taxifolia* and *Halimeda tuna*” project, the island of Hvar, Croatia

MEMBERSHIPS AND MAJOR COLLABORATIVE NETWORK:

- Scientific societies:** American Society for Human Genetics
Croatian Society of Biochemistry and Molecular Biology - HDBMB
Croatian Biological Society – HBD
Blue World, Institute of Marine Research and Conservation, nongovernmental organization, Croatia (2008)
Biology Students Association – BIUS (1999-2001)
- Analysis lead:** Wellcome Trust Case Control Consortia (WTCCC) analysis of Anorexia Nervosa
Meta-analysis of brachial circumference
Meta-analysis of autosomal genetic variant differences between men and women
Genome-wide association analysis of eating disorders related phenotypes
- Consortia:** WTCCC (Wellcome Trust Case Control Consortia)
GCAN (Genetic Consortium for Anorexia Nervosa)
ENGAGE (European Network for Genetic and Genomic Epidemiology)
CHARGE (Cohorts for Heart and Aging Research in Genomic Epidemiology)

BOOK CHAPTER:

Zemunik T and Boraska V. “Genetics of Type 1 Diabetes”, Type 1 Diabetes - Pathogenesis, Genetics and Immunotherapy, ISBN: 978-953-307-362-0, InTech, November, 2011

Available from: <http://www.intechopen.com/books/type-1-diabetes-pathogenesis-genetics-and-immunotherapy>

INFORMATION ON PUBLICATIONS:

Total number of publications: 45

Number of publications referenced in *Currnet Contents*: 42

Number of publications referenced in *SCI-expanded*: 3

First/last author: 18 publications (41.9%)

Number of citations: > 1000

H-index: 15

ORIGINAL SCIENTIFIC PUBLICATIONS:

First/last author papers:

- 2018 Brčić L, Barić A, Gračan S, Brekalo M, Kaličanin D, Gunjača I, Torlak Lovrić V, Tokić S, Radman M, Škrabić V, Miljković A, Kolčić I, Štefanić M, Glavaš-Obrovac Lj, Lessel D, Polašek O, Zemunik T, Barbalić M, Punda A, **Boraska Perica V**. Genome-wide association analysis suggests novel loci for Hashimoto's thyroiditis. *Journal of Endocrinological Investigation*. 2018 Oct 3. doi: 10.1007/s40618-018-0955-4
- 2018 Barić A, Brčić L, Gračan S, Škrabić V, Brekalo M, Šimunac M, Torlak Lovrić V, Anić I, Barbalić M, Zemunik T, PundaA, **Boraska Perica V**. Thyroglobulin antibodies are associated with symptom burden in patients with Hashimoto's thyroiditis: a cross-sectional study. *Immunological investigations*. 2018 Oct 17:1-12 doi: 10.1080/08820139.2018.1529040
- 2018 Kaličanin D, Brčić L, Barić A, Zlodre S, Barbalić M, Torlak Lovrić V, Punda A, **Boraska Perica V**. Evaluation of correlations between food-specific antibodies and clinical aspects of Hashimoto's thyroiditis. *Journal of the American College of Nutrition*. 2018 Sep 28:1-8 doi: 10.1080/07315724.2018.1503103.
- 2017 Brčić L, Gračan S, Barić A, Gunjača I, Torlak Lovrić V, Kolčić I, Zemunik T, Polašek O, Barbalić M, Punda A, **Boraska Perica V**. Association of Established Thyroid-stimulating Hormone and Free Thyroxine Genetic Variants with Hashimoto's Thyroiditis. *Immunol Invest*. 2017 Aug;46(6):625-638. doi: 10.1080/08820139.2017.1337785.
- 2017 Barić A, Brčić L, Gračan S, Torlak Lovrić V, Gunjača I, Šimunac M, Brekalo M, Boban M, Polašek O, Barbalić M, Zemunik T, Punda A, **Boraska Perica V**. Association of established hypothyroidism-associated genetic variants with Hashimoto's thyroiditis. *J Endocrinol Invest*. 2017 Apr 5. doi: 10.1007/s40618-017-0660-8 (IF_2016=2.633)
- 2016 Brčić Luka, Barić Ana, Gračan Sanda, Brdar Dubravka, Torlak Lovrić Vesela, Vidan Nikolina, Zemunik Tatijana, Polašek Ozren, Barbalić Maja, Punda Ante, **Boraska Perica Vesna**. Association of established thyroid peroxidase autoantibody (TPOAb) genetic variants with Hashimoto's thyroiditis. *Autoimmunity*. 2016 Nov;49(7):480-485. Epub 2016 Jun 7. (IF_2016=2.629)
- 2016 Jeroncic A, Memari Y, Ritchie GR, Hendricks AE, Kolb-Kokocinski A, Matchan A, Vitart V, Hayward C, Kolcic I, Glodzik D, Wright AF, Rudan I, Campbell H, Durbin R, Polašek O, Zeggini E, **Boraska Perica V**. Whole-exome sequencing in an isolated population from the Dalmatian island of Vis. *Eur J Hum Genet*. 2016 Apr 6. doi: 10.1038/ejhg.2016.23 (IF_2016=4.287)
- 2014 **Boraska, V.**, Franklin, C.S., Floyd, et al. A genome-wide association study of anorexia nervosa. *Mol Psychiatry*. 2014 Oct;19(10):1085-94. doi: 10.1038/mp.2013.187. (IF_2016= 13.204)

- 2012 **Boraska V**, Davis OS, Cherkas LF et al. Genome-wide association analysis of eating disorder-related symptoms, behaviors, and personality traits. *Am J Med Genet B Neuropsychiatr Genet.* 2012;159B(7):803-11. (IF_2016=3.258)
- 2012 **Boraska V**, Jeroncic A, Colonna V et al. Genome-wide meta-analysis of common variant differences between men and women. *Hum Mol Genet.* 2012;1;21(21):4805-15. (IF_2016=5.340)
- 2012 **Boraska V**, Day-Williams A, Franklin CS et al. Genome-wide Association Study to Identify Common Variants Associated with Brachial Circumference: a Meta-analysis of 14 Cohorts. *PLoS One.* 2012;7(3):e31369. (IF_2016=2.806)
- 2010 **Boraska V**, Rayner NW, Groves CJ, Frayling TM, Diakite M, Rockett KA, Kwiatkowski DP, Day-Williams AG, McCarthy MI, Zeggini E. Large-scale association analysis of TNF/LTA gene region polymorphisms in type 2 diabetes. *BMC Med Genet.* 2010;6;11:69 (IF_2016=2.198)
- 2009 **Boraska V**, Torlak V, Škrabić V, Kačić Z, Jakšić J, Stipančić G, Špehar A, Markotić A, Zemunik T. Glycosyltransferase B4GALNT1 and type 1 diabetes in Croatian population. *Clin Biochem.* 2009;42:819-22 (IF_2016=2.434)
- 2009 **Boraska V**, Zeggini E, Groves CJ, Rayner NW, Škrabić V, Diakite M, Rockett KA, Kwiatkowski D, McCarthy MI, Zemunik T. Family-based analysis of tumour necrosis factor and lymphotoxin alpha tag polymorphisms with type 1 diabetes in the population of South Croatia. *Hum Immunol.* 2009;70:195-9. (IF_2016=2.311)
- 2008 **Boraska V**, Škrabić V, Culić VC, Becić K, Kapitanović S, Zemunik T. Association of TNF promoter polymorphisms with type 1 diabetes in the South Croatian population. *Biol Res.* 2008;41:157-63. (IF_2016=1.692)
- 2008 **Boraska V**, Škrabić V, Zeggini E, Groves CJ, Buljubašić M, Peruzović M, Zemunik T. Family-based analysis of vitamin D receptor gene polymorphisms and type 1 diabetes in the population of South Croatia. *J Hum Genet.* 2008;53:210-214 (IF_2016=2.471)
- 2006 **Boraska V**, Terzić J, Škrabić V, Čačev T, Bučević-Popović V, Peruzović V, Markotić A, Zemunik T. NeuroD1 Gene and Interleukin-18 Gene Polymorphisms in Type 1 Diabetes in Dalmatian Population of Southern Croatia. *Croat Med J.* 2006. 47:571-578 (IF=0.825)
- 2005 Zemunik T*, Škrabić V*, **Boraska V***, Diklić D, Marinović Terzić I, Čapkun V, Peruzović M, Terzić J. *FokI* polymorphism, Vitamin D receptor and Interleukin-1 receptor haplotypes are associated with type 1 diabetes in the Dalmatian population, *J Mol Diagn.* 2005 Nov;7(5):600-4. (IF=2.885)
- (* authors equally contributed)

Other papers:

- 2019 Popović M, Matana A, Torlak V, Brdar D, Gunjača I, **Boraska Perica V**, Barbalić M, Kolčić I, Punda A, Polašek O, Hayward C, Zemunik T. The effect of multiple nutrients on plasma parathyroid hormone level in healthy individuals. *Int J Food Sci Nutr.* 2019 Jan 7:1-7. doi: 10.1080/09637486.2018.1551335
- 2018 Matana A, Brdar D, Torlak V, Boutin T, Popović M, Gunjača I, Kolčić I, **Boraska Perica V**, Punda A, Polašek O, Barbalić M, Hayward C, Zemunik T. Genome-wide meta-analysis identifies novel loci associated with parathyroid hormone level. *Mol Med.* 2018 Apr 11;24(1):15. doi: 10.1186/s10020-018-0018-5.
- 2018 Brainstorm Consortium. Analysis of shared heritability in common disorders of the brain. *Science.* 2018 Jun 22;360(6395). pii: eaap8757. doi: 10.1126/science.aap8757.
- 2018 Matana A, Popović M, Boutin T, Torlak V, Brdar D, Gunjača I, Kolčić I, **Boraska Perica V**, Punda A, Polašek O, Hayward C, Barbalić M, Zemunik T. Genome-wide meta-analysis identifies novel gender specific loci associated with thyroid antibodies level

- in Croatsians. *Genomics*. 2018 Apr 18. pii: S0888-7543(18)30242-8. doi: 10.1016/j.ygeno.2018.04.012. [Epub ahead of print]
- 2017 Duncan L, Yilmaz Z, Gaspar H, Walters R, Goldstein J, Anttila V, Bulik-Sullivan B, Ripke S; **Eating Disorders Working Group of the Psychiatric Genomics Consortium**, Thornton L, Hinney A, Daly M, Sullivan PF, Zeggini E, Breen G, Bulik CM. Significant Locus and Metabolic Genetic Correlations Revealed in Genome-Wide Association Study of Anorexia Nervosa. *Am J Psychiatry*. 2017 Sep 1;174(9):850-858. doi: 10.1176/appi.ajp.2017.16121402. Epub 2017 May 12.
- 2017 Li D, Chang X, Connolly JJ, Tian L, Liu Y, Bhoj EJ, Robinson N, Abrams D, Li YR, Bradfield JP, Kim CE, Li J, Wang F, Snyder J, Lemma M, Hou C, Wei Z, Guo Y, Qiu H, Mentch FD, Thomas KA, Chiavacci RM, Cone R, Li B, Sleiman PA; **Eating Disorders Working Group of the Psychiatric Genomics Consortium**; Price Foundation Collaborative Group, Hakonarson H. A genome-wide association study of anorexia nervosa suggests a risk locus implicated in dysregulated leptin signaling. *Sci Rep*. 2017 Jun 19;7(1):3847. doi: 10.1038/s41598-017-01674-8. Erratum in: *Sci Rep*. 2017 Aug 21;7(1):8379.
- 2017 Huckins LM, Hatzikotoulas K, Southam L, Thornton LM, Steinberg J, Aguilera-McKay F, Treasure J, Schmidt U, Gunasinghe C, Romero A, Curtis C, Rhodes D, Moens J, Kalsi G, Dempster D, Leung R, Keohane A, Burghardt R, Ehrlich S, Hebebrand J, Hinney A, Ludolph A, Walton E, Deloukas P, Hofman A, Palotie A, Palta P, van Rooij FJA, Stirrups K, Adan R, Boni C, Cone R, Dedoussis G, van Furth E, Gonidakis F, Gorwood P, Hudson J, Kaprio J, Kas M, Keski-Rahonen A, Kiezebrink K, Knudsen GP, Slof-Op 't Landt MCT, Maj M, Monteleone AM, Monteleone P, Raevuori AH, Reichborn-Kjennerud T, Tozzi F, Tsitsika A, van Elburg A; **Eating Disorder Working Group of the Psychiatric Genomics Consortium**, Collier DA, Sullivan PF, Breen G, Bulik CM, Zeggini E. Investigation of common, low-frequency and rare genome-wide variation in anorexia nervosa. *Mol Psychiatry*. 2017 Jul 25. doi: 10.1038/mp.2017.88. [Epub ahead of print]
- 2017 Antonela Boljat, Ivana Gunjača, Ivan Konstantinović, Nikolina Vidan, **Vesna Boraska Perica**, Marina Pehlić, Veselin Škrabić, Tatijana Zemunik. Environmental Risk Factors for Type 1 Diabetes Mellitus Development. *Exp Clin Endocrinol Diabetes*. 2017 Sep;125(8):563-570. doi: 10.1055/s-0043-109000. Epub 2017 Jul 27. Environmental Risk Factors for Type 1 Diabetes Mellitus Development. (IF=1.685) –2017
- 2017 Antonela Matana, Vesela Torlak, Dubravka Brdar, Marijana Popović, Bernarda Lozić, Maja Barbali, **Vesna Boraska Perica**, Ante Punda, Ozren Polašek, Caroline Hayward, Tatijana Zemunik. Dietary Factors Associated with Plasma Thyroid Peroxidase and Thyroglobulin Antibodies. *Nutrients* 2017, 9(11), 1186; doi:10.3390/nu9111186 (IF=3.55)
- 2017 Hinney A, Kesselmeier M, Jall S, Volckmar AL, Föcker M, Antel J; GCAN; WTCCC3, Heid IM, Winkler TW; GIANT, Grant SF; EGG, Guo Y, Bergen AW, Kaye W, Berrettini W, Hakonarson H; Price Foundation Collaborative Group; Children's Hospital of Philadelphia/Price Foundation, Herpertz-Dahlmann B, de Zwaan M, Herzog W, Ehrlich S, Zipfel S, Egberts KM, Adan R, Brandys M, van Elburg A, **Boraska Perica V**, Franklin CS, Tschöp MH, Zeggini E, Bulik CM, Collier D, Scherag A, Müller TD, Hebebrand J. Evidence for three genetic loci involved in both anorexia nervosa risk and variation of body mass index. *Mol Psychiatry*. 2017 Feb;22(2):192-201. doi: 10.1038/mp.2016.71. Epub 2016 May 17. (IF=13.314)
- 2015 Qi Q, Downer MK, Kilpeläinen TO, Taal HR, Barton SJ, Ntalla I, Standl M, **Boraska V**, Huikari V, Kiefte-de Jong JC, Körner A, Lakka TA, Liu G, Magnusson J, Okuda M, Raitakari O, Richmond R, Scott RA, Bailey ME, Scheuermann K, Holloway JW, Inskip H, Isasi CR, Mossavar-Rahmani Y, Jaddoe VW, Laitinen J, Lindi V, Melén E, Pitsiladis Y, Pitkänen N, Snieder H, Heinrich J, Timpson NJ, Wang T, Yuji H, Zeggini E, Dedoussis

- GV, Kaplan RC, Wylie-Rosett J, Loos RJ, Hu FB, Qi L. Dietary Intake, FTO Genetic Variants, and Adiposity: A Combined Analysis of Over 16,000 Children and Adolescents. *Diabetes*. 2015 Jul;64(7):2467-76. doi: 10.2337/db14-1629. Epub 2015 Feb 26. (IF=8.784)
- 2014 Huckins LM, **Boraska V**, Franklin CS, Floyd JAB, Southam L, GCAN, WTCCC3, Sullivan PF, Bulik CM, Collier DA, Tyler-Smith C, Zeggini E, Tachmazidou I. Using ancestry-informative markers to identify fine structure across 15 populations of European origin. *Eur J Hum Genet*. 2014 Oct;22(10):1190-200. doi: 10.1038/ejhg.2014.1 (IF=4.349)
- 2012 Pehlić M, Vrkić D, Skrabić V, Jerončić A, Stipančić G, Urojić AŠ, Marjanac I, Jakšić J, Kačić Z, **Boraska V**, Zemunik T. IL12RB2 Gene Is Associated with the Age of Type 1 Diabetes Onset in Croatian Family Trios. *PLoS One*. 2012;7(11):e49133. (IF=3.730)
- 2012 Franceschini N, van Rooij FJ, Prins BP et al. Discovery and Fine Mapping of Serum Protein Loci through Transethnic Meta-analysis. *Am J Hum Genet*. 2012;5;91(4):744-753. (IF=11.201)
- 2012 McQuillan R, Eklund N, Pirastu N et al. Evidence of inbreeding depression on human height. *PLoS Genet*. 2012;8(7):e1002655. (IF=8.167)
- 2012 arcOGEN Consortium; arcOGEN Collaborators. Identification of new susceptibility loci for osteoarthritis (arcOGEN): a genome-wide association study. *Lancet*. 2012;1;380(9844):815-23. (IF=39.060)
- 2012 Asimit J, Day-Williams A, Zgaga L, Rudan I, **Boraska V**, Zeggini E. An evaluation of different meta-analysis approaches in the presence of allelic heterogeneity. *Eur J Hum Genet*. 2012;20(6):709-12 (IF=4.319)
- 2011 Artigas MS, Loth DW, Wain LV et al. Genome-wide association and large-scale follow up identifies 16 new loci influencing lung function. *Nat Genet*. 2011;25;43:1082-90. (IF=35.532)
- 2011 Bakija-Konsuo A, Mulić R, **Boraska V**, Pehlić M, Huffman JE, Hayward C, Marlais M, Zemunik T, Rudan I. Leprosy epidemics during history increased protective allele frequency of PARK2/PACRG genes in the population of the Mljet Island, Croatia. *Eur J Med Genet*. 2011;54(6):e548-52. (IF=2.178)
- 2011 Kuzmanić Samija R, Primorac D, Resić B, Lozić B, Krzelj V, Tomasović M, Stoini E, Samanović L, Benzon B, Pehlić M, **Boraska V**, Zemunik T. Association of NOS3 tag polymorphisms with hypoxic-ischemic encephalopathy. *Croat Med J*. 2011;52(3):396-402. (IF=1.796)
- 2011 Budimir D, Polasek O, Marusić A, Kolčić I, Zemunik T, **Boraska V**, Jerončić A, Boban M, Campbell H, Rudan I. Ethical aspects of human biobanks: a systematic review. *Croat Med J*. 2011;52(3):262-79. (IF=1.796)
- 2009 Bucan K, Ivanisevic M, Zemunik T, **Boraska V**, Skrabić V, Vatauvuk Z, Galetovic D, Znaor L. Retinopathy and nephropathy in type 1 diabetic patients--association with polymorphisms of vitamin D-receptor, TNF, Neuro-D and IL-1 receptor 1 genes. *Coll Antropol*. 2009;Suppl 2:99-105. (IF=0.503)
- 2009 Biloglav Z, Zgaga L, Smoljanovic M, Hayward C, Polasek O, Kolcic I, Vitart V, Zemunik T, **Boraska V**, Torlak V, Mulic R, Ropac D, Grkovic I, Rudan D, Ristic S, Barbalic M, Campbell H, Wright AF, Hastie N, Rudan I. Historic, demographic and genetic evidence suggests that highly lethal 15th century epidemics increased population frequencies of CCR5Δ32 mutation in Croatian island isolates. *Croat Med J*. 2009;50:34-42. (IF=1.373)
- 2009 Zemunik T, Boban M, Lauc G, Janković S, Rotim K, Vatauvuk Z, Benčić G, Đogaš Z, **Boraska V**, Torlak V, Sušac J, Zobić I, Rudan D, Pulanić D, Hayward C, Vitart V, Wright AF, Campbell H, Rudan I. Genome-wide association study of biochemical traits in Korčula island, Croatia. *Croat Med J*. 2009;50:23-33. (IF=1.373)

- 2006 Boraska Jelavić T, Barišić M, Drmić I, **Boraska V**, Vrdoljak E, Peruzović M, Hozo I, Puljiz Ž, Terzić J. Microsatellite GT Polymorphism In The Toll-Like Receptor 2 Is Associated With Colorectal Cancer. *Clin Genet* 2006. 70:156-160 (IF=3.140)
- 2005 Markotić A, Čulić VC, Kurir TT, Meisen I, Bunttemeyer H, **Boraska V**, Zemunik T, Petri N, Mesarić M, Peter-Katalinić J, Muthing J. Oxygenation alters ganglioside expression in rat liver following partial hepatectomy. *Biochem Biophys Res Commun*. 2005;29;330(1):131-41 (IF=2.281)
- 2004 Kurir TT, Markotić A, Katalinić V, Bozanić D, Čikeš V, Zemunik T, Modun D, Rinčić J, **Boraska V**, Bota B, Salamunić I, Radić S. Effect of hyperbaric oxygenation on the regeneration of the liver after partial hepatectomy in rats. *Braz J Med Biol Res*. 2004;37(8):1231-7 (IF=0.824)

Consortium papers:

- 2018 Huckins LM, Hatzikotoulas K, Southam L, Thornton LM, Steinberg J, Aguilera-McKay F, Treasure J, Schmidt U, Gunasinghe C, Romero A, Curtis C, Rhodes D, Moens J, Kalsi G, Dempster D, Leung R, Keohane A, Burghardt R, Ehrlich S, Hebebrand J, Hinney A, Ludolph A, Walton E, Deloukas P, Hofman A, Palotie A, Palta P, van Rooij FJA, Stirrups K, Adan R, Boni C, Cone R, Dedoussis G, van Furth E, Gonidakis F, Gorwood P, Hudson J, Kaprio J, Kas M, Keski-Rahonen A, Kiezebrink K, Knudsen GP, Slof-Op 't Landt MCT, Maj M, Monteleone AM, Monteleone P, Raevuori AH, Reichborn-Kjennerud T, Tozzi F, Tsitsika A, van Elburg A; **Eating Disorder Working Group of the Psychiatric Genomics Consortium**, Collier DA, Sullivan PF, Breen G, Bulik CM, Zeggini E. Investigation of common, low-frequency and rare genome-wide variation in anorexia nervosa. *Mol Psychiatry*. 2018 May;23(5):1169-1180. doi: 10.1038/mp.2017.88. Epub 2017 Jul 25.
- 2017 Li D, Chang X, Connolly JJ, Tian L, Liu Y, Bhoj EJ, Robinson N, Abrams D, Li YR, Bradfield JP, Kim CE, Li J, Wang F, Snyder J, Lemma M, Hou C, Wei Z, Guo Y, Qiu H, Mentch FD, Thomas KA, Chiavacci RM, Cone R, Li B, Sleiman PA; **Eating Disorders Working Group of the Psychiatric Genomics Consortium**; Price Foundation Collaborative Group, Hakonarson H. A genome-wide association study of anorexia nervosa suggests a risk locus implicated in dysregulated leptin signaling. *Sci Rep*. 2017 Jun 19;7(1):3847. doi: 10.1038/s41598-017-01674-8. Erratum in: *Sci Rep*. 2017 Aug 21;7(1):8379.

CONFERENCES & ABSTRACTS:

- Work presented at:
- HGD, 2018, Krk, Croatia
 - ETA, 2018, Newcastle, UK
 - BABS, 2017, Split, Croatia
 - ASHG 2017, Orlando, Florida, USA
 - ISABS 2017, Dubrovnik, Croatia
 - EHGC 2016, Barcelona, Spain
 - ECE 2016, Munich, Germany
 - ISABS 2013, Split, Croatia
 - ASHG 2012, San Francisco, USA
 - ICED 2012, Austin, TX, USA
 - EHGC 2012, Nuremberg, Germany
 - EMBL PHD symposium 2012, Heidelberg, Germany
 - EDRS 2011, Edinburgh, Scotland, UK

WCPG 2011, Washington DC, USA
ASHG/ICHG 2011, Montreal, Canada
ISABS 2011, Island of Brac, Croatia
ICED 2010, Miami, FL, USA
ICED 2010, Salzburg, Austria
ASHG 2010, Washington, DC, USA
EHGC 2008, Barcelona, Spain
EHGC 2007, Nice, France
EHGC 2006, Amsterdam, Netherlands
EHGC 2005, Prague, Czech Republic
EHGC 2004, Munich, Germany
CBC 2003, Zagreb, Croatia

PEER REVIEWER FOR JOURNALS:

Hormone and Metabolic Research
Cellular Physiology and Biochemistry
Human Molecular Genetics
BMJ Open
Human Genetics
Human Immunology
PloS Genetics
Neuropsychiatric Disease and Treatment
European Journal of Human Genetics
Endocrine
Molecular Biology Reports
Psychiatry Research
African Journal of Biotechnology
PloS ONE
Central European Journal of Biology
Diabetes Research and Clinical Practice
Molecular Genetics and Genomics
BMC Medical Genetics
Life Sciences
Indian Journal of Medical Sciences
Genetics and Molecular Biology

TEACHING:

Undergraduate studies:

2014-2019	“Biology of plants and animals”, Pharmacy
2012-2019	“Medical biology” – Medical study in English
2003-2019	“Medical biology” – Medical study
2007-2019	“Medical biology” – Dental studies (course leader)
2012-2013	“Medical biology”– University Department of Health Studies, University of Split
2005-2009	“Genetic basis of development” - Medical study
2005-2013	“Genetics of type 1 diabetes” - Medical study
2005-2008	“How do tumours develop?” - Medical study

2008 "An Introduction to scientific work"– Vocational Study Nursing
2003-2005 "Molecular biology in medicine"– Vocational Study Nursing

Graduate studies:

2012-2018 „Statistical genetics and genomic databases“ (lectures, seminars, student lab/practicum) , Graduate school „ Translational Research in Biomedicine (TRIBE program)“, University of Split, School of Medicine (**course leader**)

2012 "Variations inside genome: contribution to development of complex diseases" (lectures, seminars, student lab/practicum), Graduate school „Biomedicine and Health Care“, University of Mostar, Bosnia and Herzegovina

2007-2009 "Cytogenetics of tumors" (seminar), Graduate school "Tumor biology", University of Split, School of Medicine

OTHER ACTIVITIES:

2008. Blue World Volunteer, international marine biology summer camp, research and protection of the resident community of bottlenose dolphins *Tursiops truncatus* in Northern Adriatic

2004. Volunteer, international environmental summer working camp, NP Peneda-Geres, Portugal

2004.-2005. Invited Participant, "The Environmental Global Youth Gathering", Dubai, UAE

2003. Volunteer, summer environmental working camp, METU University, Ankara, Turkey

1995. Member of the Croatia's National Team in softball on the pre-Olympics Championship in Haarlem, Holland

TECHNICAL SKILLS:

Computer skills: Microsoft Office, specialized software (Plink, GenABEL, GWAMA, Haploview, Quanto, IMPUTE, SNPTEST, ParTEST), usage of genome bases (NCBI, Genome Browser UCSC, Ensembl, HapMap)

Driving license (category B)

Scuba-diving license (CMAS – first star diver)

Free climbing diploma

Split, January 2019