

OSOBNJE INFORMACIJE

Luka Brčić

ZVANJE

mag. math

TITULA

dr. sc.

RADNO ISKUSTVO

01.2015 -

Doktorand

Sveučilište u Splitu, Medicinski fakultet, Katedra za medicinsku biologiju, Split (Hrvatska)

Rad na HRZZ istraživačkom projektu „Cjelogenomska analiza povezanosti Hashimotovog tireoiditisa“ pod vodstvom izv. prof. dr. sc. Vesne Boraske Perice.

09.2016 -

Suradnik na projektu

Sveučilište u Zagrebu, Ekonomski fakultet, Zagreb (Hrvatska)

Glavni analitičar na istraživačkom projektu „Utjecaj obilježja potrošača i situacijskih čimbenika na oblik odnosa između zadovoljstva i ishoda od zadovoljstva“ pod vodstvom izv. prof. dr. sc. Josipa Mikulića.

09.2014 -

Vanjski suradnik - asistent

Sveučilište u Splitu, Sveučilišni odjel za stručne studije, Split (Hrvatska)

Asistent na kolegijima:

- Statistika
- Poslovna statistika

10.2016 - 12.2018

Suradnik na projektu

Sveučilište u Splitu, Medicinski fakultet, Katedra za medicinsku biologiju, Split (Hrvatska)

Glavni analitičar na istraživačkom projektu „Adris“ zaklade „Analiza imunološkog odgovora na proteine iz hrane u nastanku Hashimotovog tireoiditisa“ pod vodstvom izv. prof. dr. sc. Vesne Boraske Perice.

02.2014 - 02.2016

Vanjski suradnik - asistent

Sveučilište u Splitu, Prirodoslovno-matematički fakultet, Split (Hrvatska)

Asistent na kolegijima:

- Biostatistika
- Primijenjena statistika
- Uvod u numeričku matematiku
- Matematika II
- Diferencijalni i integralni račun I
- Diferencijalni i integralni račun II
- Uvod u matematiku

OBRAZOVANJE I
OSPOBLJAVANJE

01.2015 - 12.2018

Doktor znanosti (Statistička genetika)

Sveučilište u Splitu, Medicinski fakultet, Doktorski studij TRIBE (Translacijska istraživanja u biomedicini), Split (Hrvatska)

10.2011 - 02.2014

Magistar matematike (smjer Matematička statistika)

Sveučilište u Zagrebu, Prirodoslovno-matematički fakultet, Zagreb (Hrvatska)

10.2007 - 07.2011

Sveučilišni prvostupnik matematike

Sveučilište u Zagrebu, Prirodoslovno-matematički fakultet, Zagreb (Hrvatska)

OSOBNJE VJEŠTINE

Materinski jezik Hrvatski

Ostali jezici	RAZUMIJEVANJE		GOVOR		PISANJE
	Slušanje	Čitanje	Govorna interakcija	Govorna produkcija	
Engleski	C1/2: Iskusni korisnik	C1/2: Iskusni korisnik	C1/2: Iskusni korisnik	C1/2: Iskusni korisnik	C1/2: Iskusni korisnik

Računalne vještine R, Bash, Matlab, SPSS, SAS, SWP, LaTeX, MySQL, C, C++, Python, GenABEL, PLINK, SNPTEST, GEMMA, IMPUTE2, SHAPEIT2, GTOOL, METAL, Evoker, GenomeStudio, WINSTEPS

Vozačka dozvola B

DODATNE INFORMACIJE

Izdanja

Objavljeni znanstveni radovi:

- 1.Hackinger S, Prins B, Mamakou V, Zengini E, Marouli E, Brčić L, Serafetinidis I, Lamnissou K, Kontaxakis V, Dedoussi G, Gonidakis F, Thanopoulou A, Tentolouris N, Tsezou A, Zeggini E. 2018. Evidence for genetic contribution to the increased risk of type 2 diabetes in schizophrenia. *Translational Psychiatry*.
- 2.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. 2018. Genome-wide association analysis suggests novel loci for Hashimoto's thyroiditis. *Journal of Endocrinological Investigation*.
- 3.Barić A, Brčić L, Gračan S, Škrabić V, Brekalo M, Šimunac M, Torlak Lovrić V, Anić I, Barbalić M, Zemunik T, Punda A, Boraska Perica V. 2018. Thyroglobulin antibodies are associated with symptom burden in patients with Hashimoto's thyroiditis: a cross-sectional study. *Immunological investigations*.
- 4.Kaličanin D, Brčić L, Barić A, Zlodre S, Barbalić M, Torlak Lovrić V, Punda A, Boraska Perica V. 2018. Evaluation of Correlations Between Food-Specific Antibodies and Clinical Aspects of Hashimoto's Thyroiditis. *Journal of the American College of Nutrition* 1-8.
- 5.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. 2017. Association of established hypothyroidism-associated genetic variants with Hashimoto's thyroiditis. *Journal of endocrinological investigation* 40(10):1061-1067.
- 6.Brčić L, Gračan S, Barić A, Gunjača I, Torlak Lovrić V, Kolčić I, Zemunik T, Polašek O, Barbalić M, Punda A, Boraska Perica V. 2017. Association of Established Thyroid-stimulating Hormone and Free Thyroxine Genetic Variants with Hashimoto's Thyroiditis. *Immunological investigations* 46(6):625-638.
- 7.Boraska Jelavić T, Boban T, Brčić L, Vrdoljak E. 2017. Is macrocytosis a potential biomarker of the efficacy of dose-dense paclitaxel-carboplatin combination therapy in patients with epithelial ovarian cancer? *Anti-cancer drugs* 28(8):922-927.
- 8.Brčić L, Barić A, Gračan S, Brdar D, Torlak Lovrić V, Vidan N, Zemunik T, Polašek O, Barbalić M, Punda A, Boraska Perica V. 2016. Association of established thyroid peroxidase autoantibody (TPOAb) genetic variants with Hashimoto's thyroiditis. *Autoimmunity* 49(7):480-48

Objavljeni stručni radovi:

- 1.Brčić L, Pažanin D, Pažanin I. 2014 Stohastički model rasta populacije (A stochastic model for population growth) *Osječki matematički list* 14, 23-34

Objavljeni kongresni sažeci:

- 1.Hackinger S, Prins B, Mamakou V, Zengini E, Marouli E, Brčić L, Serafetinidis I, Lamnissou K, Kontaxakis V, Dedoussi G, Gonidakis F, Thanopoulou A, Tentolouris N, Tsezou A, Zeggini E. Evidence for genetic contribution to the increased risk of type 2 diabetes in schizophrenia. 68th Annual meeting of the American Society of Human Genetics, 16-20 October 2018, San Diego, USA
- 2.Kaličanin D, Brčić L, Barić A, Gračan S, Brekalo M, Torlak Lovrić V, Kolčić I, Polašek O, Zemunik T, Punda A, Boraska Perica V. Food frequency questionnaire analysis in patients with Hashimoto's thyroiditis. 11th International Scientific and Profesional Conference: With food to health, October 18-19 2018, Split, Croatia
- 3.Brčić L, Barić A, Brekalo M, Gračan S, Škrabić V, Kaličanin D, Novak I, Zemunik T, Barbalić M, Punda A, Boraska Perica V. 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. 26-29 September 2018, Krk, Croatia.
- 4.Brčić L, Barić A, Gračan S, Torlak Lovrić V, Brekalo M, Škrabić V, Zemunik T, Barbalić M, Punda A, Boraska Perica V. Genome-wide association analysis suggests novel loci underlying thyroid antibodies in Hashimoto's thyroiditis. 4th

Congress of Croatian Geneticists with international participation. 26-29 September 2018, Krk, Croatia.

5. Barić A, Brčić L, Gračan S, Škrabić V, Brekalo M, Šimunac M, Torlak Lovrić V, Anić I, Barbalić M, Zemunik T, Punda A, Boraska Perica V. 2018. Thyroglobulin antibodies are associated with symptom burden in patients with Hashimoto's thyroiditis. 41st Annual Meeting of the European Thyroid Association (ETA), September 15-18 2018, Newcastle, United Kingdom

6. Boraska Perica V, Brčić L, Barić A, Gračan S, Kaličanin D, Gunjača I, Torlak Lovrić V, Brekalo M, Radman M, Škrabić V, Miljković A, Kolčić I, Tokić S, Štefanić M, Glavaš-Obrovac Lj, Polašek O, Zemunik T, Barbalić M, Punda A. A genome-wide association analysis of Hashimoto's thyroiditis. 67th Annual Meeting of the American Society of Human Genetics, 17-21 October 2017, Orlando, USA

7. Brčić L, Barić A, Gračan S, Gunjača I, Torlak Lovrić V, Brekalo M, Škrabić V, Zemunik T, Barbalić M, Punda A, Boraska Perica V. Genome-wide association analysis of thyroid volume and thyroid antibodies in Hashimoto's thyroiditis. Second Adriatic Symposium on Biophysical Approaches in Biomedical Studies, 24-28 September 2017, Split, Croatia

8. Brčić L, Barić A, Gračan S, Kaličanin D, Gunjača I, Torlak Lovrić V, Brekalo M, Radman M, Škrabić V, Tokić S, Štefanić M, Glavaš-Obrovac Lj, Zemunik T, Barbalić M, Punda A, Boraska Perica V. 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, 24-28 September 2017, Split, Croatia

9. Kaličanin D, Brčić L, Barić A, Zlodre S, Barbalić M, Torlak Lovrić V, Punda A, Boraska Perica V. Genome-wide association analysis of food intolerance in patients with Hashimoto's thyroiditis. 10th ISABS Conference in Forensic, Anthropologic and Medical Genetics and Mayo Clinic Lectures in Translational Medicine, 19-24 June 2017, Dubrovnik, Croatia

10. Barić A, Brčić L, Gračan S, Torlak Lovrić V, Gunjača I, Šimunac M, Boban M, Zemunik T, Polašek O, Barbalić M, Punda A, Boraska Perica V. Association of established hypothyroidism associated genetic variants with Hashimoto's thyroiditis. Annual Congress of the European Association of Nuclear Medicine, 15-19 October 2016, Barcelona, Spain

11. Boraska Jelavić T, Boban T, Brčić L, Vrdoljak E. First-line chemotherapy with paclitaxel and platinum salt induces macrocytosis in epithelial ovarian cancer patients. 12th Central European Oncology Congress, 22-25 June 2016, Opatija, Croatia

12. Brčić L, Barić A, Gračan S, Brdar D, Torlak Lovrić V, Vidan N, Zemunik T, Polašek O, Barbalić M, Punda A, Boraska Perica V. Hashimoto's thyroiditis and thyroid peroxidase autoantibody levels share genetic background. 6th Croatian Congress of Human Genetics with international participation, 5-7 November 2015, Split, Croatia

13. Brčić L Deciphering genetic basis of Hashimoto's thyroiditis. 4th Sardinian International Summer School „From genome-wide association studies to function“, 22-26 June 2015, Pula, Sardinia, Italy

Prezentacije

Oralna prezentacija „Genome-wide association analysis suggests novel loci underlying thyroid antibodies in Hashimoto's thyroiditis“ na međunarodnom kongresu „4th Congress of Croatian Geneticists with international participation“, 26.-29.9.2018., Krk, Hrvatska.

Oralna prezentacija „Genome-wide association analysis of thyroid volume and thyroid antibodies in Hashimoto's thyroiditis“ na međunarodnom kongresu „Second Adriatic Symposium on Biophysical Approaches in Biomedical Studies“, 24.-28.9.2017., MEDILS, Split, Hrvatska.

Predavanje „Genome-wide quality control procedures and imputation“ na radionici „Genetic analysis of thyroid and parathyroid function“, 15.-16.5.2017., Medicinski fakultet, Split, Hrvatska