

Eszter Kótyuk

Personal information

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Address Department of Psychology;
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Professional experience

01/2014- **Postdoctoral Research Scholar**
Cognitive Psychology Lab
Washington University in Saint Louis, USA
Web: http://www.psych.wustl.edu/coglab/Cognitive_Psychology_Lab.html
Founded by the Rosztoczy Foundation

2011-2013 Research assistant
Laboratory of Molecular Genetics
Employer: Semmelweis University; Department of Medical
Chemistry, Molecular Biology and Pathobiochemistry

Education

2011-2013 Ph.D. at Behavioral Psychology Ph.D Program
University: Eötvös Loránd University, PhD School of
Psychology, Behavioral Psychology Program
Thesis: Genetic factors of individual variability of mood
characteristics and smoking behavior
Supervisor: Ph.D Anna Szekely, Associate Professor

2009-2011 Master of Arts degree in Psychology
University: Eötvös Loránd University
Specialization: Clinical and Health Psychology
Thesis: Analyzing The Genetic Background of Smoking
Behavior on Healthy Young Adults and
Depressive Patients

2006-2009 Bachelor of Arts degree in Psychology
University: Eötvös Loránd University

Awards

2013	<i>Sapere Aude Junior Award</i> from the Faculty of Education and Psychology at the Eötvös Loránd University
2012	<i>Poster Presentation Award for excellence</i> at the World Congress of Psychiatric Genetics, 2012, October 14-18, Hamburg, Germany
2012	<i>Travel award</i> for the XXth World Congress of Psychiatric Genetics – Confronting the complexity of Brain and Behavior; 2012 October 14-18, Hamburg, Germany. Organized by the International Society of Psychiatric Genetics.
2011	<i>Travel award</i> for the 13th Annual Meeting of the SRNT Europe Antalya, Turkey on 08 -11 September, 2011
2010	<i>Poster Award</i> on the Illyés Sándor Memorial Day's Conference
2009	<i>Poster Award</i> on the Illyés Sándor Memorial Day's Conference
2011	<i>2nd place</i> at National Students' Science Competence (OTDK)
2009	<i>Award</i> at the XXIX. National Students' Science Competence (OTDK)

Scholarships

2014-2015	<i>One year Scholarship</i> at the Washington University in St. Louis, USA, sponsored by the Rosztoczy Foundation
2012	<i>Scholarship</i> for „Exploring the genetic background of elderly smoking behavior” from Pro Renovanda Cultura Hungariae Foundation, Students for Science Fund
2010-2011	<i>Fellowship</i> granted by the Republic of Hungary (top 0.8%)

Research experience

Since 2007 I have been participating in the following psychogenetic collaborative research projects of the Eötvös Loránd University and the Semmelweis University.

- OTKA project (K100845)
2011-2014 *The effects of motivation on cognitive task's reaction time*
P.I.: Dr. Székely Anna, Ph.D. Eötvös Loránd University, Budapest
My role: Research fellow, responsible for all data collection, and analyses
- OTKA project (K81466)
2010-2013 *The genetic risk factors of cognitive performance and aging*
P.I.: Dr. Mária Sasvári-Székely D.Sc. Semmelweis University; Budapest

My role: Research assistant participating in organizing data collection and data analyses

- ETT project (254/09)

2009-2011 *MikroRNS binding sites' polymorphisms as genetic risk factors of widespread diseases*

P.I.: Dr. Mária Sasvári-Székely D.Sc., Semmelweis University; Budapest

My role: Research assistant participating in organizing data collection and data analyses

- FIRCA project (R03 TW007656-01A1)

2007-2010 *The Serotonergic System and Self- or Other-damaging Behaviors*

P.I.: Dr. Karlen Lyons-Ruth, Ph.D.; Cambridge Health Alliance, Harvard Medical School, Department of Psychiatry, Cambridge, MA.

Dr. Mária Sasvári-Székely D.Sc., Semmelweis University; Hungary

My role: Research assistant participating in subjects recruitment, data collection and data analyses

- GVOP- 3.1.1 2004-05-0324/3.0

2005-2007 *The psychological and genetic risk factors of susceptibility of depression*

P.I.: Dr. Mária Sasvári-Székely D.Sc., Semmelweis University; Hungary

My role: Research assistant with a primary focus on data analyses

Clinical work experience

2010 (2months) Bajcsy – Zsilinszky Hospital, psychiatric ward, Budapest, Hungary

2009 (1month) Early Intervention Center, Budapest, Hungary

2009 (1month) Cseppkő Street Children's Home, Budapest, Hungary

2008 (1month) Jósa András Hospital, psychiatric ward, Nyíregyháza, Hungary

Teaching experience

2012- Supervision of Scientific Student Research project

Topic: Comparing reaction time performance with school performance

2012-2013 One semester BA course of psychology students

Title: Affective Psychology seminar

University: Eötvös Loránd University

2011-2012 For four semesters BA courses for psychology students

Title: Genetic Factors of Human Behavior: research with peer participants

University: Eötvös Loránd University

Other professional activities

2014	Member of the Society for Research on Nicotine and Tobacco
2010	Member of the International Society of Psychiatric Genetics
2010-2012	Scientific Student Research student's delegate Eötvös Loránd University
2009	Autogenic training
2008	'Focusing' technique by Eugene T. Gendlin
2008-	Member of the Hungarian Psychological Association

Computer skills

Microsoft Office, SPSS, Mplus, R, E-Prime

Languages knowledge

English	C1 (advanced level)
German	B2 (upper intermediate level)

Publications

Summary:

IMPACT FACTOR: 6,961; CITATIONS: 5

Publications in international journals: 2

Hungarian publications: 3

Poster presentations on international academic conferences: 6

Conference abstract in citable academic journals: 3

Oral presentations on International academic conferences: 2

Oral presentations on Hungarian academic conferences: 10

Poster presentations on Hungarian academic conferences: 4

Oral presentations on Hungarian popularization conferences: 2

Detailed list of all publications:

Publications in international journals

Kotyuk, E., Keszler, G., Nemeth, N., Ronai, Z., Sasvari-Szekely, M., & Szekely, A. (2013). Glial Cell Line-Derived Neurotrophic Factor (GDNF) as a Novel Candidate Gene of Anxiety. *PLoS One*, 8(12), e80613. doi: 10.1371/journal.pone.0080613; IF=3.730

Anderson-Schmidt H, Beltcheva O, Brandon MD, Byrne EM, Diehl EJ, Duncan L, Gonzalez SD, Hannon E, Kantojärvi K, Karagiannidis I, Kos MZ, **Kotyuk E**, Laufer BI, Mantha K, McGregor NW, Meier S, Nieratschker V, Spiers H, Squassina A, Thakur GA, Tiwari Y, Viswanath B, Way MJ, Wong CC, O'Shea A, Delisi LE. (2013): *Selected rapporteur summaries from the XX world congress of psychiatric genetics, Hamburg, Germany, october 14-18, 2012* in *Am J Med Genet B Neuropsychiatr Genet*. 2013 Mar;162(2):96-121. IF=3.231

Hungarian publications

Kotyuk E., Sasvári-Székely M. és Székely A. (2014) [*Neurocognitive endophenotypes in psychiatric genetics.*] *Neuropsychopharmacologia Hungarica* 2014. 16(2)

Kotyuk, E., Nemeth, N., Halmai, Z., Faludi, G., Sasvari-Szekely, M., & Szekely, A. (2013). [*Association between mood characteristics and polymorphisms of glial cell line-derived neurotrophic factor (GDNF) in patients with depression*]. *Neuropsychopharmacol Hung*, 15(2), 63-72.

Szémán, B., Nagy, G., Varga, T., Veres-Székely, A., Sasvári, M., Fitala, D., Szöllösi, A., Katonai, R., **Kotyuk, E.,** Somogyi, A. (2012) *Changes in cognitive function in patients with diabetes mellitus* in *Orvosi Hetilap* 153(9) 323–329.

Kotyuk, E., Kovács-Nagy, R., Faludi, G., Urbán, R., Rónai, Z., Sasvári-Székely, M., Székely, A. (2009). *The nicotine dependence and the dopamin D4 receptor -521 CT polymorphism association in major depressive disorder*. *Neuropsychopharmacologia Hungarica* 11(2), 59-67.

Poster presentations on international academic conferences

Barta,Cs., Vereczkei, A., **Kotyuk, E.,** Szekely,A., Langstieh, B., Sasvari-Szekely M. Association of GDNF Gene Variants with Aggression in Three Ethnic Groups from India; XXIth World Congress of Psychiatric Genetics – Redefining Mental Illness through Genetics; October 17-21. 2013, Boston, USA

Barta, Cs., Das, A., Vereczkei, A., **Kotyuk, E.,** Szekely, A., Langstieh, B., Sasvari-Szekely, M. Association of GDNF Gene Variants with Tobacco and Betel Quid Consumption in Three Ethnic Groups from India XXIth World Congress of Psychiatric Genetics – Redefining Mental Illness through Genetics; October 17-21. 2013, Boston, USA

Kotyuk, E., Nemeth, N., Halmai, Zs. Faludi, G., Sasvari-Szekely, M. and Szekely, A.: *Gender Differences in the Association Between Mood Characteristics and Polymorphisms of Glial Cell Line-Derived Neurotrophic Factor (GDNF) in Patients With Depression*; 2014 Annual Meeting of the American Society of Clinical Psychopharmacology and The CME Institute of Physicians Postgraduate Press, Inc. June. 16-19. 2014. Hollywood, Florida, USA. (e-poster, available for 6 month at http://www.cmeinstitute.com/postersession/documents/2014/kotyuk_etal.pdf)

Kótyuk, E., Elek, Z., Ronai, Z., Sasvari-Szekely, M., Szekely, A.: *Glial Cell Line-derived Neurotrophic Factor (GDNF) and Mood Characteristics: An Association Study Among Healthy Adults*; XXth World Congress of Psychiatric Genetics – Confronting the complexity of Brain and Behavior; October 14-18, 2012; Hamburg, Germany (poster, poster session winner, travel award)

Szémán B., Somogyi A., Nagy G., Varga T., Fitala D., Szöllosi A., Veres-Székely A., Katonai R., **Kotyuk E.,** Sasvári M. Cognition in adults with type 1 diabetes mellitus, D-0754; World Diabetes Congress. Dubai, United Arab Emirates, December 04-08. 2011

Kotyuk, E., Szekely, A., Sasvari-Szekely, M. *Genetic Components of Smoking Behavior*; 13th Annual Meeting of the Society for Research on Nicotine and Tobacco (SRNT) Europe Antalya, Turkey on September 08-11, 2011. (poster, travel award)

Conference abstract in citable academic journals

- Kótyuk, E.**, Németh, N., Halmai, Z., Faludi, G., Sasvári-Székely, M., Székely, A.: *Association between mood characteristics and GDNF polymorphisms*, 15th Hungarian Congress of Neuropsychopharmacology; Tihany, October 4 – 6. 2012 (poster); Neuropsychopharmacologia Hungarica 2012. XIV. S1., 14.
- Kótyuk, E.**, Nánási T., Németh N., Rónai Z., Sasvári-Székely M. és Székely A.: *New candidate genes in smoking behavior*; 14th Hungarian Congress of Neuropsychopharmacology, Tihany, October 6 – 8. 2011 (poster); Neuropsychopharmacologia Hungarica 2011. XIII . S2., 44.
- Szémán B., Nagy G., Somogyi A., Varga T., Fitala D., Szöllösi A., Veres-Székely A., Katonai R., Sasvári M., **Kótyuk E.** *Cognition in type 1 diabetes mellitus*; Diabetologia: Clinical and Experimental Diabetes and Metabolism 2011. 54:(Suppl. 1.) p. S517.

Oral presentations on International academic conferences

- Das, A., Vereczkei, A., **Kótyuk, E.**, Szekely, A., Langstieh, B., Sasvari-Szekely, M. and Barta, Cs. (2013) Association of GDNF gene variants with tobacco and betel quid consumption in three ethnic groups from India. 3rd International Congress on Neurobiology, Psychopharmacology and Treatment Guidance, Thessaloniki, Greece, may 30-june 2. 2013
- Das, A., Vereczkei, A., **Kótyuk, E.**, Szekely, A., Langstieh, B., Sasvari-Szekely, M. and Barta, Cs (2013) High rate of tobacco consumption and its association with GDNF gene variants in three ethnic groups from India. Cambridge & Luton International Conference on Mental Health 2013; Cambridge, UK, September 5-7. 2013

Oral presentations on Hungarian academic conferences

- Székely A., Katonai E. R., **Kótyuk E.**, Sasvari-Székely M., *New candidate polymorphisms in the background of cognitive functions*; The Hungarian Psychological Association's XXII. National Academic Conference, Budapest, Jun 05-07. 2013
- Kótyuk E.**, Sasvari-Szekely M., Székely A., *Association analysis of glial cell line-derived neurotrophic factor (GDNF) and smoking behavior*; The Hungarian Psychological Association's XXII. National Academic Conference, Budapest, Jun 05-07. 2013
- Veres-Székely A., **Kótyuk E.**, Sasvári-Székely M., *Heritable and not heritable genetic effects*; Illyés Sándor Memorial Day, organized by the Institute of Psychology Budapest, March 18-20. 2013
- Kótyuk, E.**, Szekely, A, Sasvari-Szekely, M. *Psychogenetic association study of the risk factors of consuming tobacco products*; The Hungarian Psychological Association's XXI. National Academic Conference, Szombathely, May 30- Jun 01. 2012
- Kótyuk, E.** *Regulation in the regulation process: a new genetic risk factor of smoking behavior*; XXX. National Students' Science Competence; Kecskemét, Hungary, April 7-9. 2011
- Vereczkei, A., Szekely, A., **Kótyuk, E.**, Nemoda, Z., Sasvári-Székely, M. *The serotonin transporter's promoter polymorphism and smoking*. The Hungarian Society of Human Genetics VIII. Congress. Debrecen, September 2-4. 2010
- Kótyuk, E.** Regulation in the regulation process: a new genetic risk factor of smoking behavior; II. conference on talent improvement in psychology, Szombathely, Hungary. December 1-3. 2010
- Kótyuk, E.**, Sasvári-Székely, M., Veres-Szekely, A. „I'll just try it out...” – *The genetic risk factors of the habituation of smoking*. The Hungarian Psychological Association's XIX. National Academic Conference, Pécs, May 27-29. 2010
- Kótyuk, E.** *Self – medication with smoking? Dopaminerg risk genes in nicotine dependence*. XXIX. National Students' Science Competence, Pécs, April 6-8. 2009
- Szekely A, Halmai Z, **Kótyuk, E.**, Szilagyi A, Sasvári M. *The genetic background of the retrospective attention deficit disorder and hyperactivity*. The Hungarian Psychological Association's XVIII. National Academic Conference, Nyíregyháza, May 22-24. 2008

Poster presentations on Hungarian academic conferences

- Kótyuk, E.** „When I feel like it...” – *The experimental smoking genetic components*. Illyés Sándor Memorial Day, organized by the Institute of Psychology, Budapest, March. 17-19. 2010

Kotyuk, E. *Connections – differences? The genetic background of social smoking.* Illyés Sándor Memorial Day, organized by the Institute of Psychology, Budapest, March 18-20. 2009

Kotyuk, E., Szekely, A. *Temperament types and genetic factors on the background of smoking.* The Hungarian Psychological Association's XVIII. National Academic Conference, Nyíregyháza, May 22-24. 2008

Kotyuk, E. *Cure for depression? Data for the nicotine addiction's self – medication hypothesis.* Illyés Sándor Memorial Day, organized by the Institute of Psychology Budapest, March 26-28. 2008

Oral presentations on Hungarian popularization conferences

Kotyuk, E. *Psychogenetical mosaics – Results of the inheritable factors of smoking.* XIV. Pszinapszis April 9-11. 2010

Szekely A, Halmai Z, **Kotyuk, E.**, Katonai E, Varga G. *Genetic secrets.* Researcher's Night, Budapest, September 25. 2009

Budapest, 07/21/2014