Curriculum Vitae

ÉVA MÁRIA BANKÓ

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EDUCATION

Ph.D. in Biology	Pázmány Péter Catholic University, Budapest	2010
M.Sc. in Neurobiology	Eötvös Loránd University, Budapest	2005
Translator spec. in Biology	Eötvös Loránd University, Budapest	2004

RESEARCH EXPERIENCE

PhD student: Neuro and Infobionics Research Group, Multidisciplinary Technical Sciences Doctoral School, Faculty of Information Technology, Pázmány Péter Catholic University, Budapest (*Research advisor: Zoltán Vidnyánszky, PhD, DSc*) — 2005 – 2010

Visiting research fellow: Psychology Department, University of California, San Diego, San Diego, CA, USA (*Research advisor: John Serences, PhD*) — 2010

Visiting research fellow: Center for Neural Science, New York University, New York, USA (*Research advisor: Jonas Larsson, PhD, David Heeger lab*) — 2006 – 2007

Junior research fellow: Neurobiology Research Group, Semmelweis University - Hungarian Academy of Science and Department of Cognitive Science, Budapest University of Technology and Economics, Budapest (*Research advisor: Zoltán Vidnyánszky, PhD and Gyula Kovács, PhD*) — 2003 – 2005

RESEARCH INTEREST

Current field of research is:

- Neural mechanisms and deficits of irrelevant information filtering in the brain
- Neural mechanisms of short-term memory
- Studying neural processing of faces and facial emotions by means of neural adaptation

RESEARCH SKILLS/TECHNIQUES:

- Psychophysics
- Human Electroencephalogram (EEG) and Event-related potentials
- Functional Magnetic Resonance Imaging (*f*MRI)
- Eyetracking
- Programming in Matlab

HONORS AND AWARDS

FENS/IBRO WERC travel award to FENS Forum 2010	2010
Prima Junior Award, Hungarian Science Category	2009
NKTH Mecenatura travel award to SfN Neuroscience 2009 Conference	2009
Mentor Scholarship of the Hungarian Development Bank (MFB)	2008 – 2009 2007 – 2008
Hungarian American Enterprise Scholarship Fund (HAESF) Undergraduate Fellowship to New York University (Heeger lab)	2005 – 2006
Academic Scholarship of the Republic of Hungary	2004 – 2005
2nd award in *Student Research Conference (TDK)*, Eötvös Loránd University (neurophysiology section)	2005
1st award in Biology, *National Academic Competition for High School Students (OKTV)*	2000
Soros Foundation Scholarship for a scholar year in the United States	1997 – 1998

PUBLICATIONS

Journal Papers

É.M. Bankó & Z. Vidnyánszky (2010) Retention interval affects visual short-term memory encoding, *Journal of Neurophysiology,* 13(3), 1425-1430.

V. Gál**,** I. Kóbor, É.M. Bankó, L.R. Kozák, J. Serences & Z. Vidnyánszky (2010) Electrophysiological correlates of learning-induced modulation of visual motion processing in humans, *Frontiers in Human Neuroscience,* 3, 69.

É.M. Bankó, V. Gál & Z. Vidnyánszky (2009) Flawless visual short-term memory for facial emotional expressions, *Journal of Vision* 9(1):12, 1-13.

V. Gál**,** L.R. Kozák**,** I. Kóbor**,** É.M. Bankó, J. Serences & Z. Vidnyánszky (2009) Learning to filter out visual distractors, *European Journal of Neuroscience* 29, 1723-1731.

G. Kovács, M. Zimmer, É. Bankó**,** I. Harza, A. Antal, Z. Vidnyánszky (2006) Electrophysiological Correlates of Visual Adaptation to Faces and Body-Parts in Humans *Cereb Cortex*. 16(5):742-53.

Selected conference abstracts

É. Bankó, J. Körtvélyes, V. Gál, K. Nagy, G. Kovács, Z. Vidnyánszky (2009) Dissociating the neural processes associated with perceptual processing demands and decision difficulty. [Abstract], *Society for Neuroscience Annual Meeting, 2009, Chicago, IL, USA*

J. Körtvélyes, É. Bankó, V. Gál, P. Domsa, J. Németh, Z. Vidnyánszky (2009) Neural correlates of fovea-related impairment of visual object processing in amblyopia [Abstract], *The Association for Research in Vision and Opthalmology Annual Meeting, 2009, Fort Lauderdale, FL, USA*

É. Bankó, Z. Vidnyánszky (2007) High-fidelity short-term memory for changeable but not for invariant facial attributes [Abstract], *Perception* 36:49.

É. Bankó & Z. Vidnyánszky (2006) High-fidelity short-term memory for facial expressions. [Abstract], *Society for Neuroscience Annual Meeting, 2006, Atlanta, GA, USA*

É. Bankó, G. Kovács, D. Melcher, Z. Vidnyánszky (2005) Hemifield-contingent face aftereffects [Abstract], *Perception* 34(S):167.

G. Kovács, I. Harza, M. Zimmer, É. Bankó, A. Antal, Z. Vidnyánszky (2005) Testing for translation invariance reveals two stages of facial adaptation [Abstract], *Journal of Vision* 5(8):833.

É. Bankó, I. Harza, M. Zimmer, G. Kovács, Z. Vidnyánszky, A. Antal (2005) Event-related brain potential correlates of adaptation to faces and body parts [Abstract], *Clin. Neurosci.* 58(S1):13.

CONFERENCES, SHORT COURSES

Society for Neuroscience Annual Meeting, Chicago, USA (presenter)	2009
Mathematics in Brain Imaging Summer School, UCLA, Institute of Pure and Applied Mathematics	2008
European Conference on Visual Perception International Conference, Arezzo, Italy (presenter)	2007
Society for Neuroscience Annual Meeting, Atlanta, USA (presenter)	2006
International Brain Research Organization International Conference, Budapest, Hungary (participant)	2006
European Conference on Visual Perception International Conference, A Coruña, Spain (presenter)	2005
XI. Congress of Hungarian Neurobiology Society, Pécs, Hungary (presenter)	2005
International Brain Research Organization International Conference, Budapest, Hungary (presenter)	2004
Organization for Human Brain Mapping International Conference, Budapest, Hungary (participant)	2004
European Conference on Visual Perception International Conference, Budapest, Hungary (participant)	2004

OTHER SKILLS

Languages: English (fluent), German (intermediate)

OTHER

Translation into Hungarian: *Rachel Carson: Az ellopott jövőnk* (Our stolen future), p.115-233 (unpublished)

Professional proofreading: *Benton, Michael J. (ed) Hetven rejtély a természet világából* (The Seventy Great Mysteries of the Natural World). Budapest: Athenaeum. p.96-134; p.151-174

Kids' popular science writing:	Articles in *Süni* magazine for kids in	vol. XXIII, no. 2,3,4,6	2008.
		vol. XXIV, no. 1,2,5	2009.