

Associate Prof. Andrei C. Miu, Ph.D.  
Department of Psychology  
Babeş-Bolyai University, Cluj-Napoca

## LIST OF PAPERS

### A. Representative papers published after Ph.D.

1. A. C. Miu, S. E. Pană, & J. Avram (2012). Emotional face processing in neurotypicals with autistic traits: Implications for the broad autism phenotype. *Psychiatry Research* 198, 489-494. [IF: 2.524]
2. R. Vulturar, A. Chis, L. Ungureanu, & A. C. Miu (2012). Respiratory sinus arrhythmia and serotonin transporter promoter gene polymorphisms: Taking a triallelic approach makes a difference. *Psychophysiology* 49, 1412-1416. [IF: 3.290]
3. A. C. Miu, L. G. Crişan, A. Chiş, L. Ungureanu, B. Drugă, & R. Vulturar (2012). Somatic markers mediate the effect of serotonin transporter gene polymorphisms on Iowa Gambling Task. *Genes, Brain and Behavior* 11, 398-403. [IF: 3.476]
4. A. C. Miu & F. R. Balteş (2012). Empathy manipulation impacts music-induced emotions: A psychophysiological study on opera. *PLoS ONE* 7, e30618. [IF: 4.092]
5. A. C. Miu & L. G. Crişan (2011). Cognitive reappraisal reduces the susceptibility to the framing effect in economic decision making. *Personality and Individual Differences* 51 (4), 478-482. [IF: 1.877]
6. R. M. Heilman, L. G. Crişan, D. Houser, M. Miclea, & A. C. Miu (2010). Emotion regulation and decision making under risk and uncertainty. *Emotion* 10(2), 257-265. [IF: 3.875]
7. J. Avram, F. R. Balteş, M. Miclea, & A. C. Miu (2010). Frontal EEG activation asymmetry reflects cognitive biases in anxiety: evidence from an emotional face Stroop task. *Applied Psychophysiology and Biofeedback* 35 (4), 285-92. [IF: 1.131]
8. L. G. Crişan, S. Pană, R. Vulturar, R. M. Heilman, R. Szekely, B. Drugă, N. Dragoş, & A. C. Miu (2009). Genetic contributions of the serotonin transporter to social learning of fear and economic decision making. *Social Cognitive and Affective Neuroscience* 4(4), 399-408. [IF: 6.132]
9. A. C. Miu, R. M. Heilman, & D. Houser (2008). Anxiety impairs decision-making: Psychophysiological evidence from an Iowa Gambling Task. *Biological Psychology* 77, 353-358. [IF: 3.225]

10. A. C. Miu, R. M. Heilman, & M. Miclea (2009). Reduced heart rate variability and vagal tone in anxiety: Trait versus state, and the effects of autogenic training. *Autonomic Neuroscience: Basic and Clinical* 145 (1-2), 99-103. [IF: 1.858]

## B. Ph.D. Thesis

A. C. Miu (2008). *Emotion and cognition: Cerebral lateralization, individual and sex differences* [in Romanian]. Romanian Association for Cognitive Science Publishing House, Cluj-Napoca, 204 pp.

## C. Books and chapters

1. A. C. Miu & A. I. Olteanu (2002). *Neuroscience – From molecular and cellular mechanisms to behavior and evolution*. Vol. I: Development of the nervous system [in Romanian]. Dacia Publishing House, Cluj-Napoca, 231 pp.

2. A. Olteanu, V. Lupu, & A. Miu (2001). *Neurophysiology of Human Behavior* [in Romanian]. Cluj University Press, Cluj-Napoca, 214 pp.

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1. L. Visu-Petra, L. Cheie, & A. C. Miu (in press). Working memory and anxiety: Exploring the interplay of individual differences across development. In T. P. Alloway, & R. G. Alloway (Eds.): *Working Memory: The New Intelligence* (Series “Frontiers in Cognitive Science”). Taylor & Francis, USA.

2. R. M. Heilman, A. C. Miu, & D. Houser (2013). Emotion regulation and economic decision making: A systematic review. In M. Reuter & C. Montag (Eds.): *Neuroeconomics*. Springer, Germany.

3. A. C. Miu & L. Visu-Petra (2009). Anxiety disorders in children and adults: A cognitive, neurophysiological and genetic characterization. In R. Carlstedt (Ed.): *Handbook of Integrative Clinical Psychology, Psychiatry and Behavioral Medicine: Perspectives, Practices and Research* (pp. 309-352). Springer, USA.

4. A. C. Miu, M. Miclea, & D. Houser (2008). Anxiety and decision-making: Toward a neuroeconomics perspective. In D. Houser, K. McCabe (Eds.), *Neuroeconomics* (pp. 55-84). Emerald Insight Publishing, UK.

5. A. C. Miu, S. Pană, A. Matei, R. Szekely, A. Băbălai (2008). What is neuroscience? A century after Gheorghe Marinescu’s *La Cellule Nerveuse*. In D. L. Dumitraşcu, C. Hoţoleanu (Red.): *Neurosciences. Clinical applications of recent knowledge* (pp. 10-40). Iuliu Haţieganu University Press, Cluj-Napoca.

6. A. C. Miu & R. Vulturar (2008). Psychophysiology of anxiety: from genes to behavior. In D. L. Dumitraşcu, C. Hoţoleanu (Red.): *Neurosciences. Clinical applications of recent knowledge* (pp. 48-76). Iuliu Haţieganu University Press, Cluj-Napoca.
7. O. Benga, L. Petra, & A. Miu (2005). Electrophysiological correlates of typical and atypical development. A perspective from developmental cognitive neuroscience [in Romanian]. In L. Zăgrean (Ed.): *Clinical neuroelectrophysiology* (pp. 381-418). Carol Davila University of Medicine and Pharmacy Press, Bucharest.
8. A. C. Miu, A. Opre, M. Biriş, V. Ţibre, & A. I. Olteanu (2003). An interhemispheric paradigm for assessing declarative memory deficits in Alzheimer's disease. A neuropsychological and structural imaging study. In: B. Kokinov, W. Hirst (Eds.), *Constructive Memory* (pp. 280-291). NBU Series in Cognitive Science, Bulgaria.

#### D. International Articles

1. A. C. Miu, R. Vulturar, A. Chis, & L. Ungureanu (2012). Attentional biases to threat and serotonin transporter gene promoter (5-HTTLPR) polymorphisms: Evidence from a probe discrimination task with endogenous cues. *Translational Neuroscience* 3, 160-166.
2. F. R. Balteş, J. Avram, M. Miclea, & A. C. Miu (2011). Emotions induced by operatic music: Psychophysiological effects of music, plot, and acting. A scientist's tribute to Maria Callas. *Brain and Cognition* 76 (1), 146-157. [IF: 3.174]
3. A. Amagdei, F. R. Balteş, J. Avram, & A. C. Miu (2010). Perinatal exposure to music protect spatial memory against callosal lesions. *International Journal of Developmental Neuroscience* 28 (1), 105-109. [IF: 2.418]
4. A. C. Miu (2008). Genetic contributions to individual differences in emotion: A primer. *Reviews in the Neurosciences* 16 (9), 467-474. [IF: 2.413]
5. R. M. Heilman, A. C. Miu, & O. Benga (2009). Developmental and sex-related differences in preschoolers' affective decision-making. *Child Neuropsychology* 15(1), 73-84. [IF: 1.797]
6. A. C. Miu, R. M. Heilman, S. P. Paşca, C. Ştefan, F. Spânu, R. Vasîu, A. I. Olteanu, & M. Miclea (2006). Behavioral effects of corpus callosum transection and environmental enrichment in adult rats. *Behavioural Brain Research* 172, 135-144. [IF: 3.417]
7. A. C. Miu & O. Benga (2006). Aluminium and Alzheimer's disease: A new look. *Journal of Alzheimer's Disease* 10(2-3), 179-201. [IF: 3.745]
8. A. C. Miu & O. Benga (2006). Metallotoxicity in Alzheimer's Disease. *Journal of Alzheimer's Disease* 10(2-3), 133. [Editorial] [IF: 3.745]

9. S. P. Pașca, B. Nemeș, L. Vlase, C. E. Gagyı, E. Dronca, A. C. Miu, & M. Dronca (2005). High levels of homocysteine and low serum paraoxonase 1 arylesterase activity in children with autism. *Life Sciences* 78, 2244-2248. [IF: 2.527]
10. A. C. Miu (2005). Asymmetrical behavior without an asymmetrical brain: Corpus callosum and neuroplasticity. *Behavioral and Brain Sciences* 28, 608-609. [Commentary] [IF: 9.396]
11. A. C. Miu, R. M. Heilman, A. Opre, & M. Miclea (2005). Emotion-induced retrograde amnesia and trait anxiety. *Journal of Experimental Psychology: Learning, Memory, and Cognition* 31, 1250-1257. [IF: 2.854]
12. A. C. Miu, A. I. Olteanu, I. Chis, & R. M. Heilman (2004). Have no fear, erythropoietin is here: Erythropoietin protects fear conditioning performances after functional inactivation of the amygdala. *Behavioural Brain Research* 155, 223-229. [IF: 3.417]
13. A. C. Miu, A. I. Olteanu, & M. Miclea (2003). A behavioral and ultrastructural dissection of the interaction of aluminium with aging. *Journal of Alzheimer's Disease* 6, 315-328. [IF: 3.745]
14. A. C. Miu & A. I. Olteanu (2003). Reshuffling or inventing prosomeres: Expensive radiation or expensive neural tissue?. *Behavioral and Brain Sciences* 26, 564-565. [Commentary] [IF: 9.396]
15. A. C. Miu, C. E. Andreescu, R. Vasiu, & A. I. Olteanu (2003). A behavioral and histological study of the effects of long-term exposure of adult rats to aluminum. *International Journal of Neuroscience* 113, 1197-1211. [IF: 0.967]
16. A. C. Miu & A. I. Olteanu (2002). Catatonia in Alzheimer's disease: The role of the amygdalo-hippocampal circuits. *Behavioral and Brain Sciences* 25, 588-589. [Commentary] [IF: 9.396]

## E. Other Articles

1. F. R. Balteș, M. Miclea, & A. C. Miu (2012). Does everybody like Vivaldi's Four Seasons? Affective space and a comparison of music-induced emotions between musicians and non-musicians. *Cognition, Brain, Behavior: An Interdisciplinary Journal* 16, 107-119.
2. A. C. Miu, S. P. Pașca, & M. Miclea (2005). The corpus callosum and the power of complementary paradigms in developmental cognitive neuroscience. *Cogniție, Creier, Comportament* 9, 423-450.
3. A. Opre, A. C. Miu, & P. András (2005). Korsakoff's amnesia and its relation to development. *Cogniție, Creier, Comportament* 9, 451-474.

4. O. Benga & A. C. Miu (2005). Integrative neuroscience: The Special Case of development. *Cogniție, Creier, Comportament* 9, 191-192. [Editorial]
5. A. Filip, D. Pop, S. Clichici, A. Joanta, A. Muresan, A. C. Miu, & C. Login (2005). Influence of exposure to continual dark and continual light on certain oxidative stress parameters in the brain. *Fiziologia (Physiology)* 15, 4-13.
6. A. C. Miu, S. P. Pașca, A. I. Olteanu, & C. Crăciun (2004). Fact and artifacts on aluminium neurotoxicity [in Romanian]. *Analele Societății Naționale de Biologie Celulară* 9, 44-55
7. C. Crăciun, A. I. Olteanu, A. C. Miu, R. Mânsat-Silași, L. Barbu-Tudoran, P. A. Dărău (2004). Structural and ultrastructural studies on the effects of aluminium intoxication on the rat liver [in Romanian]. *Analele Societății Naționale de Biologie Celulară* 9, 62-69
8. A. C. Miu, R. M. Heilman, R. A. Anton, C. Indrei, Ș. Braica, T. Krizsan, V. Țibre, & A. I. Olteanu (2003). A physiological and personological account of sympathovagal balance in controlled anxiety and relaxation. *Cogniție, Creier, Comportament* 7, 242-260.
9. A. C. Miu, A. Opre, M. A. Birț, V. Țibre, & A. I. Olteanu (2003). Interhemispheric disconnection syndrome and white matter damage in Alzheimer's disease: Neuropsychological tasks and contrastive case studies. *Cogniție, Creier, Comportament* 7, 133-148.
10. A. C. Miu, R. I. Medrea, C. E. Andreescu, C. I. Stancu, N. Vlasie, & A. I. Olteanu (2003). Impaired recognition memory and emotional reactivity associated with loss of cortical integrity on rats after chronic exposure to aluminum. *Cogniție, Creier, Comportament* 7, 219-234.
11. A. C. Miu & A. I. Olteanu (2003). Secretion and action of erythropoetin in the central nervous system [in Romanian]. *Clujul Medical* LXXVI, 47-58.
12. A. C. Miu, C. Andreescu, R. Vasiiu, & A. I. Olteanu (2002). Prolonged exposure to aluminum is associated with a progressive behavioral decline and neurodegeneration. Implications for Alzheimer's disease. *Clujul Medical* LXXV, 671-677.
13. A. Opre & A. Miu (2001). Multiple memory systems and consciousness: A neurocognitive model [in Romanian]. *Cogniție, Creier, Comportament* 5, 193-219.
14. V. Lupu, S. Boroș, A. Miu, F. Iftene, & A. Geru (2001). Pathological gambling in Romanian teenagers [in Romanian]. *Revista Societății de Neurologie și Psihiatrie pentru Copii și Adolescenți din România* 4, 201-214.

15. A. Olteanu & A. Miu (2000). Neurogenesis in the adult brain [in Romanian]. *Cogniție, Creier, Comportament* 4, 213-223
16. A. Olteanu, A. Miu, M. Cipleu, & V. Lupu (2000). Modulatory influences on learning and memory [in Romanian]. *Cogniție, Creier, Comportament* 5, 347-365.
17. A. Olteanu, G. Cârdei-Martinescu, A. Miu, V. Lupu, & L. Pleșca-Manea (2000). Effects of Pyracetam on learning and memory consolidation [in Romanian]. *Noutatea Medicală* 8, 47-52