

CURRICULUM VITAE.

Nagornova Zhanna

Institute of the Human Brain, Russian Academy of Science
9, Pavlov Street, St. Petersburg, 197376, Russia
Tel: +7(812)234 13 90 Fax: +7(812)234 3247
E-mail: nagornova_zh@mail.ru

Personal Information



| | |
|----------------|---|
| Family name | Nagornova |
| Christian name | Zhanna |
| Sex | female |
| Date of birth | 23 September, 1983 |
| Place of birth | Zakamensk, Russia |
| Home address | 196643, Zavodskaja ulitsa, 18-38, St. Petersburg, Russia |
| Mobile phone | +79602488293 |

Education

| | | |
|-------------|---|------------------------|
| 2008 | <u>Ph.D. in biological science (cognitive neuroscience).</u> Theme: "Changes of the EEG during processes of non verbal (spatial) creative thinking" Scientific adviser – academician Bechtereva N.P. | St. Petersburg, Russia |
| 2004 – 2007 | <u>Post-graduate student (Ph.D./doctoral program)</u> Post-graduate school. Laboratory of neurophysiology of thinking & consciousness. Institute of the Human Brain. Russian Academy of Sciences (IHB RAS) | St. Petersburg, Russia |
| 2000 – 2004 | <u>Equivalent to the Bachelor's degree</u> Specialty “biology”. Krasnoyarsk State University (KrSU) | Krasnoyarsk, Russia |

Job experience

| | | |
|-------------------|--|------------------------|
| 2007 – to present | <u>Research assistant</u> in the Laboratory of neurophysiology of thinking & consciousness. N.P. Bechtereva Institute of the Human Brain Russian Academy of Sciences (IHB RAS) | St. Petersburg, Russia |
| 2009-to present | <u>Senior lecturer.</u> Courses of Neuropsychology, Differential psychophysiology, Special Psychology for students of psychological faculty of IVESEP, St. Petersburg, Russia | St. Petersburg, Russia |

Scientific interests cognitive neuroscience, EEG, PET, spatial creativity, perception, visual imagination

Grants

| | |
|-----------------|--|
| 2010 | Prize winner of the “post-doc’s projects” competition organized by Russian Government and Russian ministry of science and education in Saint-Petersburg, Russia |
| 2006 – 2008 | Participation in project “Interrelation of creativity, complexity and mental activity type in brain maintenance of creative thinking”, supported by Russian Foundation for Basic Research (RFBR) |
| 2005 | Participation in project “Investigation of mutual relations between creativity factor and task complexity factor in brain creative processes”, supported by Russian Foundation for Basic Research (RFBR) |
| 2005-to present | Participation in researches supported by Russian Government Grants for leading scientific schools of Russia (academician N.P. Bechtereva’s school of thought), Moscow, Russia |

Conferences:

Conference “Intelligence and Creativity”, October 2010, Moscow, Russia (poster presentation)
The 4th International conference of cognitive science, June 2010, Tomsk, Russia (poster presentation).
The 49 Annual Meeting Society for Psychophysiological Research, October 2009, Berlin, Germany (poster presentation).
C.I.A.N.S conference, October 2009, Prague, Czech (poster presentation)
C.I.A.N.S conference, October 2008, Smolenice, Slovakia (oral presentation)
The 14th World Congress of International Organization of Psychophysiology “The Olympics of the brain, September 2008, St.Petersburg, Russia (oral presentation);
Fourth International Interdisciplinary Congress «Neuroscience for medicine and psychology», June 2008, Sudak,

Ukraine (oral presentation)

C.I.A.N.S conference, October 2007, Brno, Czech (oral presentation);

Third International Interdisciplinary Congress «Neuroscience for medicine and psychology», June 2007, Sudak, Ukraine (oral presentation)

The 1st International Conference “Creativity-multi-faced view”, September, 2005, Moscow, Russia (poster presentation);

Workshops:

BioN Lectures course “Neuroeconomics”, 2011, Moscow, Russia

NCoE meeting June 2010, St.Petersburg, Russia;

PENS WICN Summer School September 2008, Bangor, Wales, UK;

IBRO Workshop “Complex neural networks. From synaptic transmission to seeing the brain in action.” January 2008, Debrecen, Hungary;

Publications:

Full-size papers

1. Danko S. G., Shemyakina N. V., **Nagornova Zh. V.**, Starchenko M. G. Comparison of the effects of the subjective complexity and verbal creativity on EEG spectral power parameters // *Human Physiology*, 2009, V. 35, N. 3, P. 381.
2. Shemyakina N. V., Starchenko M. G., **Nagornova Zh. V.** Creative thinking and integrative neurophysiology // chapter in the book *Topics in Higher Brain Functions* // eds F. Jagla and I. Richansky, Comenius University, 2008, Bratislava, P. 9.
3. **Nagornova Zh. V.** Changes in the EEG power during tests for nonverbal (figurative) creativity // *Human Physiology*, 2007, V. 33, N. 3, P. 277.
4. Bechtereva N. P., **Nagornova Zh. V.** Changes in EEG Coherence during Tests for Nonverbal (Figurative) Creativity // *Human Physiology*, 2007, V. 33, N. 5, P. 515.
5. Shemyakina N. V., Danko S. G., **Nagornova Zh. V.**, Starchenko M. G., and Bechtereva N. P. Changes in the Power and Coherence Spectra of the EEG Rhythmic Components during Solution of a Verbal Creative Task of Overcoming a Stereotype // *Human Physiology*, 2007, V. 33, N. 5, P. 524.

Abstracts

1. Nagornova Zh.V. EEG Investigation of Spatial Creative Thinking Components // *Psychophysiology*, 2009, V. 46, N. 1, Suppl. 1, P. 49.
2. Nagornova Zh.V., Bechtereva N.P. Intra- and inter-hemispheric activity during nonverbal creative thinking in comparison with noncreative thinking. // *International journal of psychophysiology*. 2008, V. 69, N.3, P. 179.
3. Shemyakina N.V, Danko S.G., Starchenko M.G., Nagornova Zh.V., Bechtereva N.P. Direct distinguish of extra sighns as the attention task and direct distinguish of spelling mistakes as conscious error detection processes lead to different changes in EEG // 2nd Annual NCoE CC meeting, Stockholm, Sweden: 28-30 November 2007.
4. Shemyakina N.V., Danko S.G., Starchenko M.G., Nagornova Zh.V., Bechtereva N.P. Comparison of creative and noncreative task's performance of various complexity level // CIANS Conference 07 Brain, Behavior, and Health, Brno, Czech Republic, October 11-13, 2007.
5. Nagornova Zh.V. EEG correlates of creative tasks performance // CIANS Conference «Brain, Behavior, and Health», Brno, Czech Republic, October 11-13, 2007, P. 13.
6. Nagornova Zh. V. Changes of EEG coherence during nonverbal (figurative) creative processes // proceedings of the Third International interdisciplinary congress “Neuroscience for medicine and psychology”, Sudak, Ukraine, 2007, P. 169.
7. Danko S.G., Bechtereva N.P., Shemyakina N.V., Nagornova Zh.V. Effects of verbal and figurative mental activities as revealed in states of the human cortex // proceedings of the Third International interdisciplinary congress “Neuroscience for medicine and psychology”, Sudak, Ukraine, 2007, P. 93.
8. Shemyakina N.V., Danko S.G., Starchenko M.G., Nagornova Zh.V.. EEG correlates of verbal creative tasks performance // proceedings of the XX Congress of the Physiological society I.P.Pavlova, Moscow, Russia, 2007, P. 487.
9. Nagornova Zh.V. EEG correlates of non-verbal creative tasks performance // proceedings of the XX Congress of the Physiological society I.P.Pavlova, Moscow, Russia, 2007, P. 348.
10. Nagornova Zh.V. Correlates of non-verbal creative tasks performance // proceedings of conference “Creativity: A Multifaceted View” Moscow, Russia, 2005.
11. Nagornova Zh.V. Estimation of non-verbal creativity. // proceedings of conference “Physiology and Medicine” St. Petersburg, Russia, 2005, P. 80.