

**PROGRAMME**  
**of Interdisciplinary Summer School on Cognitive Neuroscience, Neuroeducation and Applied Neurotechnologies**  
**June, 3-8, 2019**  
**Belgorod National Research University, Belgorod, Russia**

Date	Time	Activities	Room
Sunday June, 2		Arrival of academic staff and participants, Organizational meeting for students	Belotel, Belgorod
Monday June, 3	10-10.30	Opening of Interdisciplinary Summer School	room 2-22
	10.30 – 11.45	Lecture 1. Brain and Cognition Dr. M.Sitnikova	room 2-22
	12.00 – 13.30	Lecture 2. Neuroscience of arithmetic complexity Dr. Ch.Artemenko	room 2-22
	13.30 – 14.30	LUNCH	
	14.30 – 16.00	Lecture 3. Explaining basic numerical cognition phenomena with the Discrete Semantic System model Dr. A. Krajcsi	room 2-22
	16.00 -17.30	Workshop on steps from the idea for an experiment to publication Dr. Ch.Artemenko	room 2-22
	17.30	Cultural programme	
Tuesday June, 4	10.00 – 11.30	Lecture 4. Neuroscience of arithmetic development and learning Dr. M.Soltanlou	room 2-22
	11.30 – 13.00	Lecture 5. Functional brain networks: methods of reconstructions and applications Prof. Dr. A.Hramov	room 2-22
	13.00 -14.00	LUNCH	
	14.00 – 15.30	Workshop on Using CogStat: installation, data handling, performing analyses Dr. A. Krajcsi	room 2-22
	15.45 – 17.15	Workshop on designing an experiment with Opensesame	room 2-22

		Dr. M.Soltanlou	
	17.30	Cultural programme	
Wednesday June, 5	10.00 – 11.30	Lecture 6. Visual stimulus processing in the brain: experiments and BCI/BBI development Prof. Dr. A.Hramov	room 2-22
	11.30 – 13.00	Lecture 7. Introduction to fNIRS method and design Dr. Ch.Artemenko	room 2-22
	13.00 -14.00	LUNCH	
	14.00 – 16.00	Hands-on session on conducting fNIRS measurements Dr. Ch.Artemenko & Dr. M.Soltanlou	room 2-5
	16.15 – 17.45	Lecture 8. Preprocessing and analysis of fNIRS data Dr. M.Soltanlou	room 2-22
	18.00	Cultural programme	
Thursday June, 6	9.30 – 11.00	Lecture 9. Machine learning, supervised and unsupervised Prof. Dr. Nemirovski	room 2-22
	11.00 – 12.30	Hands-on session on machine learning, supervised and unsupervised Nemirovski	room 2-5
	12.30 -13.15	LUNCH	
	13.15 – 14.45	Lecture 10. Uni- and bivariate statistical analysis of individual data Dr. A.Hartung	room 2-22
	14.45 – 16.15	Hands-on session on uni- and bivariate statistical analysis of individual data in SPSS Dr. A.Hartung	room 2-5
	16.30 – 18.00	Lecture 11 Evaluation Method of big brain hemispheres adaptation to the enclosed space Dr. U. Moskvitina	room 2-22
	18.00	Cultural programme	
Friday June, 7	10.00 – 11.30	Lecture 12. Machine learning, Neuronal Networks Prof. Dr. Nemirovski	room 2-22
	11.30 – 13.00	Hands-on session on machine learning, neuronal networks Prof. Dr. Nemirovski	room 2-5

	13.00 -14.00	LUNCH	
	14.00 – 15.30	Lecture 13. Multivariate statistical analysis of individual data Dr. A.Hartung	room 2-22
	15.30 – 17.00	Hands-on session on multivariate statistical analysis of individual data in SPSS Dr. A.Hartung	room 2-5
	17.00 – 18.00	Group Discussion: Artificial Intelligence – the myths and future perspectives	room 2-22
	18.00	Cultural programme	
Saturday June, 8	10.00 – 11.00	Lecture 14 Human-machine interaction. New focus in education Dr. T. Bergaliev	room 2-22
	11.00 – 12.00	Workshop on Neurotechnologies Dr. T. Bergaliev	room 2-22
	12.15 – 14.15	Talks and Poster Presentations	room 2-22
	14.15 – 14.30	Closing	room 2-22
	14.30 -15.30	LUNCH	
	16.00	Departure of participants	