



## Genome Russia Workshop Program

Petrovsky Hall, St. Petersburg State University, 4-5 October 2018

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### Thursday 4 October 2018

<b>Time</b>	<b>Name</b>	<b>Organization</b>	<b>Title of the talk</b>
9:50-10:00	Vladimir Brukhin	SPSU, Deputy Head of Dobzhansky Center for Genome Bioinformatics	Welcome
10:00-10:30	Stephen O'Brien	SPSU, Head of Dobzhansky Center for Genome Bioinformatics	Genome Russia project: progress and prospects
10:30-11:00	Andrey Golovnev	Kunstkamera, Museum Antropology and Ethnography RAS	The circumstances of endo/exogamous behavior in the ethnic history of the peoples of Russia
11:00-11:30	Luca Pagani	Estonian Biocenter, Tartu, Estonia	Country-wide human genome panels, an evolutionary approach
11:30-12:00	COFFEE BREAK		
12:00-12:30	Michael Christiansen	University of Copenhagen, Denmark	Nationwide biobanking and genomics in Denmark: structure, governance and first results
12:30-13:00	Daria Zhernakova	SPSU, Dobzhansky Center for Genome Bioinformatics	Diversity of genomic variants and population genetics of ethnic and regional groups across Russia
13:00-13:10	Anna Zhuk	SPSU, Dobzhansky Center on Genome Bioinformatics	Genome variants frequencies database for Genome Russia
13:10-13:40	Galina Zhuravleva	Department of Genetics and Biotechnology, SPSU	The role of WGS in the genetics of model organisms
13:40-14:40	LUNCH		

14:40-15:10	Oleg Balanovsky	Vavilov Institute of General Genetics RAS, Moscow	The gene pool of the population of the Far East
15:10-15:40	Petr Slominsky	Institute of Molecular Genetics RAS, Moscow	Whole-Exome Sequencing in Searching for New Variants Associated With the Development of Parkinson's Disease
15:40-15:55	Vladimir Brukhin	SPSU, Deputy Head of Dobzhansky Center for Genome Bioinformatics	On the samples collected, sequenced, and planned further collections
15:55-16:10	Gennady Vasiliev	SPSU, Faculty of Law	Legal advice: whether genetic information is personal data
16:10-16:25	Elizaveta Veikher	SPSU, Ethical Committee	Ethical aspects of genome research
16:25-17:00	COFFEE BREAK		
17:00-17:30	Tatiana Tatarinova	University of La Verne, La Verne, California	In search for the Khazarian trace in modern Eurasians
17:30-18:50	DISCUSSION ON POLICY		<ol style="list-style-type: none"> <li>1. What are the final results of the project</li> <li>2. Open or close access</li> <li>3. Is there any commercial part</li> <li>4. What makes sense to sequence next</li> <li>5. Ethical and legal aspects</li> </ol>
19:30	DINNER CRUISE		

### Friday 5 October 2018

<b>Time</b>	<b>Name</b>	<b>Organization</b>	<b>Title of the talk</b>
10:00-10:20	Vadim Stepanov	Institute of Medical Genetics, Tomsk	Genetic structure and genomic history of North Asian human populations
10:20-10:35	Alina Sumarokova	Northern Medical University, Arkhangelsk	Peculiarities of Arkhangelsk population formation
10:35-10:55	Irina Ilyna	Ural Scientific Center RAS, Syktyvkar	Project "Russian genomes" in the European North-East: selection of ethno-local groups and ethical problems of field research

10:55-11:15	Alexei Fedorov	Bioinformatics Laboratory, University of Toledo, USA	Deciphering human cryptic relatedness from whole-genome sequencing
11:15-11:35	Elena Lukyanova	Vavilov Institute of General Genetics RAS, Moscow	Development of genomic databases on Russian populations and their use in practical public health
11:35-12:00	COFFEE BREAK		
12:00-12:15	Nikolay Egorov	OOO "ALBIOGEN", co-organizer of the workshop	
12:15-12:45	Ali Sharifi-Zarchi	Sharif University of Technology, Iran	Aligning Assembly Graphs using Graph Traversal Edit Distance
12:45-13:40	DISCUSSION ON THE WORKSHOP RESOLUTION		
13:40-14:40	LUNCH		
14:40-15:10	Alexander Kagansky	Far Eastern Federal University, Center for Genomic and Regenerative Medicine	Epigenetics, cancer and phenotypic screening of biodiversity
15:10-15:25	Alexey Komissarov	SPSU, Dobzhansky Center for Genome Bioinformatics	New pipeline for automated SNP calling
15:25-15:40	Andrey Shevchenko	SPSU, Dobzhansky Center for Genome Bioinformatics	Botswana population association genetics
15:40-16:00	COFFEE BREAK		
16:00-16:15	Anna Gorbunova	SPSU, Dobzhansky Center for Genome Bioinformatics	Medical mining of GR genome samples
16:15-16:30	Gaik Tamazian	SPSU, Dobzhansky Center for Genome Bioinformatics	Complex assessment of GR variable site database
16:30-16:50	Sergey Malov	SPSU, Dobzhansky Center for Genome Bioinformatics	An advanced analysis for gene flow and gene flow barriers
16:50-17:00	Stephen O'Brien	SPSU, Dobzhansky Center for Genome Bioinformatics	Closure