

KIRILL GRIGOREV / КИРИЛЛ ГРИГОРЬЕВ

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kirillgrigorev.com

researchgate.net/profile/kirill_grigorev

BIOINFORMATICS, GENOME ASSEMBLY, GENE ANNOTATION, COMPARATIVE GENOMICS, GENETICS, EPIGENETICS, PYTHON, R, LINUX



CURRENT AFFILIATION

University of Puerto Rico, Mayagüez

Caribbean Genome Center

PRINCIPAL AREAS OF ACADEMIC INTEREST

Genome assembly
Comparative genomics
Genetic foundations of longevity
Behavioral genetics and epigenetics

PRINCIPAL SKILLSET

Genomics algorithms
Genomics applications and pipelines
Advanced Python, essential R, Perl, and C++
Linux (sh/bash, administration, git, ...)

RESEARCH & WORK EXPERIENCE

2015 – NOW **University of Puerto Rico, Caribbean Genome Center**

Methods of genome assembly

Projects under the **Genome 10K** umbrella:

- *Solenodon paradoxus* genome project (with Weill Cornell ICB and AMNH)
- *Amazona vittata* genome project (with Weill Cornell ICB and AMNH)

Longevity factors in the genomes of sea urchins

2014 – NOW **Dobzhansky Center for Genome Bioinformatics**

Epigenomics of early childhood development (with Yale University)

Visualization of human GWAS

Comparative genomics of Caribbean parrots (with the University of Puerto Rico)

2013 – 2016 **Bioinformatics Summer School**

Co-organizer (2013–2015), speaker (2015–2016)

2014 – 2015 **Stepic.org**

Massive open online courses: manager (2014), lecturer (2015)

2013 – 2015 **Bioinformatics Institute, St. Petersburg Academic University of RAS**

Junior curator, curator, teaching assistant

2013 – 2014 **iBinom inc.**

Medical genome analysis, cloud SaaS

GRADUATE STUDIES

2015 – 2017 **University of Puerto Rico, Mayagüez**

Academic focus: bioinformatics

Expected degree: M.S. in Biology

UNDERGRADUATE STUDIES

CLASS OF 2015 **Saint Petersburg State Chemical and Pharmaceutical Academy (SPCPA)¹**

Specialist (equal to B.S.) in biotechnology and engineering

UNDERGRADUATE COURSES







CLASS OF 2014 **Bioinformatics Institute, St. Petersburg Academic University of RAS**

Bioinformatics algorithms and applications

CLASS OF 2013 **Game|Changers biotechnology track**

Bioinformatics and biotechnology

WORKSHOPS AND SCHOOLS

- JUN 2016**  Recent Advances in Conservation Genetics, Balaton Limnological Institute
- APR 2016**  Human Genome Analysis Fundamentals, Weill Cornell Medical College
- JUN 2014**  Genetics of Complex Human Diseases, Cold Spring Harbor Laboratory
- MAY 2014**  Systems Biology Workshop, ITMO University with Washington University in St. Louis
- AUG 2013**  Novartis International Biotechnology Leadership Camp
- JUL 2013**  Bioinformatics Summer School

PUBLICATIONS

1. **Grigorev K, Oleksyk TK (2016). Novel approaches to genome assembly provide insight into the genomics of an endangered Caribbean species.** Poster presentation at the FWD Summit, San Juan, PR, Sep 17, 2016
2. Brandt AL, **Grigorev K**, Afanador-Hernandez YM, Paulino LA, Murphy WJ, Nunez A, Komissarov A, Brandt JR, Dobrynin P, Hernandez-Martich JD, Maria R, O'Brien SJ, Rodriguez LE, Martinez-Cruzado JC, Oleksyk TK, Roca AL (2015). **Mitogenomic sequences support a north-south subspecies subdivision within *Solenodon paradoxus*.** Mitochondrial DNA Part A, 2016 Apr 20:1-9
DOI 10.3109/24701394.2016.1167891
3. Dobrynin P, **Grigorev K** (2014). **Detection of correlation between socioeconomic status and methylation profile in the human genome.** Oral presentation at the Second Bioinformatics Summer School, Roschino, Russia, July 27 – August 1 (pp. 39–40), ISBN 978-5-4386-0575-1
- Naumova O, Dozier M, Wallin A, Raefski A, Dobrynin P, **Grigorev K**, Jeltova A, Lee M (2016). **Developmental dynamics of the epigenome of infants based on a longitudinal study of three cases.** Early Human Development. (in review)
- **Grigorev K**, Oleksyk TK et al. Novel approaches to genome assembly and their application to *Solenodon paradoxus* (draft, title subject to change)
- **Genomics and conservation of the Hispaniolan *Solenodon***, IX Caribbean Biodiversity Congress, Santo Domingo, Dominican Republic, Jan 31 – Feb 3, 2017 (talk, upcoming)

LANGUAGES & CERTIFICATES

- LANGUAGES** English: fluent, TOEFL score 119/120 German: intermediate
 Spanish: conversational level Latin: written text comprehension
- GRE General** Verbal: 162/170, Quantitative: 170/170

Notes on ambiguous translations

- 1 Санкт-Петербургская Химико-Фармацевтическая Академия.
 Various translations exist in documents, including "Saint Petersburg Academy of Chemistry and Pharmaceutics," "Saint Petersburg Chemical Pharmaceutical Academy," "Saint Petersburg Academy of Chemistry and Pharmacology."