

KIRILL GRIGOREV / КИРИЛЛ ГРИГОРЬЕВ

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phone number disclosed via email

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
Evolutionary and population genetics
Genetics of human diseases

PRINCIPAL SKILLSET

Genomics algorithms
Genomics applications and pipelines
Advanced Python, essential R, Perl, and C++
Linux (shell scripting, version control, ...)

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)
- 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** Russian: native Spanish: conversational level
 English: fluent, TOEFL score 119/120 German: intermediate
 Latin: written text comprehension
- GRE** 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."