

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
Epigenetics of early human development

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: lecturer, manager

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

Junior curator, curator, teaching assistant

2013 – 2014 iBinom inc.

Medical genome analysis, non-invasive prenatal diagnostics, cloud SaaS

GRADUATE STUDIES

2015 – 2017 University of Puerto Rico, Mayagüez

Academic focus: bioinformatics and bioengineering

Expected degree: M.S. in Biology

UNDERGRADUATE STUDIES







CLASS OF 2015 Saint Petersburg Academy of Chemistry and Pharmaceutics (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**  Weill Cornell Medical College, Human Genome Analysis Fundamentals, New York
- JUN 2014**  Cold Spring Harbor Laboratory, Genetics of Complex Human Diseases
- MAY 2014**  Systems Biology Workshop
- AUG 2013**  Novartis International Biotechnology Leadership Camp
- JUL 2013**  Bioinformatics Summer School

PUBLICATIONS

- 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
 - 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
 - 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
- Drafts and upcoming*
- **Novel approaches to genome assembly and their application to *S. paradoxus*** (paper)
 - **Genomics and conservation of the Hispaniolan *Solenodon*** (talk), IX Caribbean Biodiversity Congress, Santo Domingo, Dominican Republic, Jan 31 – Feb 3, 2017

LANGUAGES & CERTIFICATES

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

Notes on ambiguous translations

- Санкт-Петербургская Химико-Фармацевтическая Академия.
Various translations exist in documents, including “St. Petersburg Chemical Pharmaceutical Academy,” “St. Petersburg Academy of Chemistry and Pharmacology.”