

# Dmytro Kryvokhyzha, Ph.D.

Bioinformatics Scientist

12+ years' experience in developing automated and scalable pipelines for bioinformatics analyses. Passionate about solving biological problems with computational tools.



## PROFESSIONAL EXPERIENCE

### Bioinformatician & Head of the Bioinformatics Unit, Lund University Diabetes Center, Sweden

May 2020 – present

- Lead the development, implementation, and management of bioinformatics solutions in diverse diabetes-related research projects.
- Manage the Bioinformatics Unit consisting of 7 people including bioinformaticians, biostatisticians, system administrators, and database managers.

### Postdoctoral Researcher, Uppsala University, Sweden

Project: Genomics of diet adaptation in dogs

June 2018 – August 2020

- Analyzed SNPs, structural variants, and RNA-Seq data.
- Integrated the results to find candidate genes underlying metabolic adaptations.

### Ph.D. Student, Uppsala University, Sweden

Project: Genome evolution in an allopolyploid plant species

November 2013 – April 2018

- Conducted comparative genomic and transcriptomic analyses of a hybrid polyploid species and its parental species.
- Published 4 scientific papers.

### Visiting Student, Harvard University, USA

Project: Hybridization between distantly related tropical butterflies

March – July 2013

- Analyzed whole-genome patterns of divergence between species.
- Wrote a Master's thesis.

### Research Assistant, Max Plank Institute for Evol. Biol., Germany

Project: Gene expression in different organs of an invasive fish

September 2012 – February 2013

- Analyzed microarray gene expression data.
- Evaluated different microarray data normalization procedures with RNA-Seq data.

## EDUCATION

### Ph.D. in Evolutionary Functional Genomics, Uppsala University, Sweden

2013 – 2018

### M.Sc., Erasmus Mundus Master Program in Evolutionary Biology

(Uppsala University, University of Montpellier II, Harvard University)

2011 – 2013

### M.Sc. & B.Sc. in Biology, Kharkiv National University, Ukraine.

2005 – 2010

## CONTACT

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LinkedIn: [linkedin.com/in/evodify](https://linkedin.com/in/evodify)

## SKILLS

### Analyses

- NGS data processing
- Comparative genomics
- bulk RNA-Seq & scRNA-Seq
- RNA splicing
- Microbiome
- Proteomics
- Epigenomics
- Multi-omics integration
- Data visualization

### Programming

- R
- Python
- Bash
- Web development

### Tools

- R Markdown/Jupyter
- Git
- Snakemake/Nextflow
- Conda/Docker/Singularity
- Linux/Unix

## LANGUAGES

- English (fluent)
- Ukrainian (native)
- Swedish (beginner/Sfi C)