OLGA KRALI

MSc, PhD
Lifelong learner & nature lover

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WORKING EXPERIENCE

Postdoctoral Researcher
Uppsala University
January 2026 – | Uppsala, SE
- ML Implementation in Lymphoma

Researcher
Uppsala University
November 2025 – December 2025 | Uppsala, SE

Visiting Researcher
University of Eastern Finland
February 2024 – February 2024 | Kuopio, FI

Data Science Graduate
Capgemini
September 2019 – December 2020 | Stockholm, SE
- Data Scientist Consultant as part of the ignITe Graduate Programme

Machine Learning R&D Intern
Ericsson
June 2019 – August 2019 | Stockholm, SE
- ML Implementation in Regression Problems
- Summer internship in R&D

Deep Learning Master Thesis Student
SciLifeLab
January 2019 – June 2019 | Stockholm, SE
- Contribution to Breast Cancer Risk Assessment with AI implementation
- Generative Adversarial Networks with PyTorch

Deep Learning Analyst Intern
SciLifeLab
June 2018 – December 2018 | Stockholm, SE
- Summer job through SciLifeLab's Summer Fellowship Programme
- Deep Learning algorithms with main focus on AutoEncoders
- Continuation after August with implementation of AI on aging

Machine Learning Analyst Intern
SciLifeLab
October 2017 – May 2018 | Stockholm, SE
- Introduction to Machine Learning, Data Mining & Data Analysis
- Build simple Machine Learning algorithms (e.g. clustering and classification)
- Data illustration with t-SNE and dimensionality reduction with PCA

Science Guide
Vetenskapens Hus
April 2017 – August 2019 | Stockholm, SE

LIFE PHILOSOPHY

"Carpe diem"

MOST PROUD OF

Courage I had
for new beginnings. I started a new life in another country and changed my field of expertise

Optimism
Even during the most challenging times

Persistence & Patience
Failure makes me stronger and I never give up

Inspiring biologists in tech
Bridging scientific expertise with programming to drive data-driven discoveries

STRENGTHS

Honest | Hard-working | Creative | Motivator & Leader | Problem Solver | Adaptable | Organized | Cooperative

AI & Machine Learning | Data science | Python | R | Scikit-Learn | Tensorflow | Keras | PyTorch | Anaconda | Jupyter Notebook | Adobe Illustrator | LaTeX

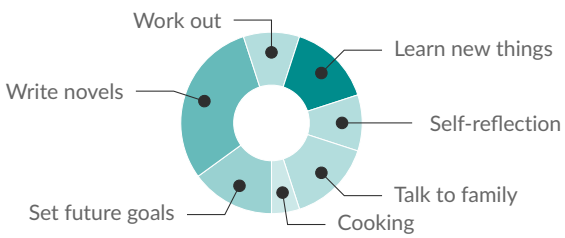
LANGUAGES

Greek
English
Swedish
Brazilian Portuguese
Spanish

EXTRAS

Vice President
Symbios, Student Environmental Organization for sustainability
2015 – 2016 | Stockholm, SE
- Organize meetings and events
- Recruit new members

A DAY OF MY LIFE AFTER WORK



- Inspire and motivate the youth in Life Science in a multidisciplinary way
- Organize and lead activities, guided tours, and educational sessions

Lab Assistant

Patras University

January 2014 – June 2014 Patras, GR

- Volunteer work at the Botany lab in the Biology Department
- Organize the labs and assist the students with their laboratory work and field trips

EDUCATION

Doctor of Philosophy in Medical Sciences - Cancer Track

Molecular Precision Medicine group, Uppsala University

January 2021 – October 2025 Uppsala, SE

Title: Deciphering the molecular landscape of childhood acute lymphoblastic leukemia through multiomics data integration

- Machine learning employment for subtype classification in pediatric acute leukemia using transcriptomic and epigenetic data
- DNA methylation risk predictors in pediatric acute leukemia
- Putative ex-vivo drug resistance biomarkers predict relapse risk in pediatric acute leukemia using multi-omics data
- The methylome landscape of pediatric acute leukemia
- Multi-omics data integration; a holistic approach for detecting multi-level molecular heterogeneity in pediatric acute leukemia - M.Sc student supervision

M.Sc Molecular Techniques in Life Science

KTH Royal Institute of Technology/Karolinska Institute/Stockholm University

August 2017 – June 2019 Stockholm, SE

M.Sc in Ecology and Biodiversity

Stockholm University

August 2014 – May 2016 Stockholm, SE

B.Sc in Biology

Patras University

September 2010 – July 2014 Patras, GR

PEER-REVIEWED PUBLICATIONS

Krali, O., Enblad, A.P., Sulyaeva, J. et al. An integrative molecular map of pediatric B-cell precursor acute lymphoblastic leukemia

Communications Medicine

April 2026

Gabbutt, C., Duran-Ferrer, M., Grant, H. et al. Fluctuating DNA methylation tracks cancer evolution at clinical scale

Nature

September 2025

Marchi, F., et al. Epigenomic diagnosis and prognosis of Acute Myeloid Leukemia

Nature Communications

July 2025

Enblad, A. P., Krali, O., Gezelius, H. et al. Ex Vivo Drug Responses and Molecular Profiles of 597 Pediatric Acute Lymphoblastic Leukemia Patients

HemaSphere

July 2025

PEER-REVIEWED PUBLICATIONS

Oksa, L., Moisio, S., et al. Genomic determinants of therapy response in *ETV6::RUNX1 leukemia*

Leukemia

July 2025

Lysenkova, Wiklander, M., Zachariah, D., Krali, O., & Nordlund, J. Error reduction in leukemia machine learning classification with conformal prediction

JCO Clinical Cancer Informatics

May 2025

Ghantous, A., Nusslé, S.G., Nassar, F.J. et al. Epigenome-wide analysis across the development span of pediatric acute lymphoblastic leukemia: backtracking to birth

Molecular Cancer

October 2024

Krali, O. et al. Multimodal classification of molecular subtypes in pediatric acute lymphoblastic leukemia

npj Precision Oncology

December 2023

Mosquera, Orgueira, A., Krali, O. et al. Refining risk prediction in pediatric acute lymphoblastic leukemia through DNA methylation profiling

Clinical Epigenetics

March 2024

Krali, O. et al. DNA Methylation Signatures Predict Cytogenetic Subtype and Outcome in Pediatric Acute Myeloid Leukemia (AML)

Genes

June 2021

PRESENTATIONS IN CONFERENCES/ WORKSHOPS

An integrative, multiomicanalysis of pediatric B-cell precursor acute lymphoblastic leukemia

30th EHA Congress

12-15 June 2025 Milan, IT

Molecular and pharmacological profiling of pediatric B-cell precursor acute lymphoblastic leukemia

Swedish Bioinformatics Workshop

4-5 November 2024 Uppsala, SE

Krali, O. et al. Transcriptomic signatures of chemoresistance in pediatric BCP-ALL

Intercepting Childhood Blood Cancer: From Single Cells To Malignant Clones

3-6 May 2024 Düsseldorf, DE

Krali, O. et al. Transcriptomic signatures of chemoresistance in pediatric BCP-ALL

Nordic Precision Medicine Forum

22-23 April 2024 Stockholm, SE

PRESENTATIONS IN CONFERENCES/ WORKSHOPS

Mosquera, Orgueira, A., Krali, O. et al. Epigenetic Profiling and Machine Learning for Enhanced Risk Stratification in Pediatric Acute Lymphoblastic Leukemia

65th ASH Annual Meeting & Exposition

9-12 December 2023 San Diego, US

Krali, O. et al. Multimodal classification resolves the molecular subtype of pediatric
undefined/B-other acute lymphoblastic leukemia

6th Swedish Cancer Research Meeting

16-17 May 2023 Stockholm, SE

Krali, O. et al. A multiscale machine learning approach for molecular subtype determination of pediatric acute lymphoblastic leukemia

Functional Precision Medicine for Blood Cancer Workshop and Symposium

5-7 September 2022 Helsinki, FI

Krali, O. et al. Gene expression classification reveals subtype-specific gene signatures and predicts unknown sample subtypes in pediatric ALL patients.

Swedish Bioinformatics Workshop

20-21 October 2021 Lund, SE

AWARDS/SCHOLARSHIPS

Best PhD Thesis Award

Department of Medical Sciences

April 2026 Uppsala, SE

Travel grant scholarship

Cancerfonden

May 2025 Milan, IT

Travel grant scholarship

Barncancerfonden

October 2023 San Diego, USA

Summer Fellowship

SciLifeLab

June-August 2018 Stockholm, SE

GITHUB CONTRIBUTIONS

ALLIUM Classifier | Acute Myeloid Leukemia Classifier | Capstone Project IBM Data Science Professional Certificate | Master Thesis Data Augmentation

References are available upon request