

97072 Würzburg

+49 15773816443

martin.kur4@gmail.com

martin-kuric

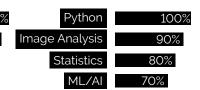
github.com/markur4



WHO AM I?

As a cancer cell biologist with a strong passion for data analysis and machine learning, I am seeking a position where I can utilize my creativity to automate tasks, solve complex problems or handle big data.

Microscopy	100
Cancer Biology	90%
Stem Cells	80%
RNA Biochemistry	75%



SELECTED PROJECTS

2024 **Python Software "ImageP"** GitHub Repository &

Accelerates batch processing of images of different sizes and types by >100%.

numpy / skimage / scipy

2020-2024 **Python Software "plotastic"** Journal of Open Source Software & | GitHub-Repository &

Published a statistical library that self-configures based on intuitive plotting parameters.

pandas / matplotlib / pingouin / seaborn

2018-2024 Cancer Research Project Journal: Cancer Research Communications &

Worked in a team with up to three technical assistants and published a list of genes with relevance

for survival of myeloma patients.

Time-Lapse Microscopy / RNAseq / Analysis of Patient Survival

26.05.2022 Deep-Learning Assisted Image Cytometry Poster at "Achilles Conference"

Measurement of per-cell parameters from large automated microscopy scans.

Convolutional Neural Networks / Image Segmentation

EDUCATION

28.01.2019 – 2024 Dr. rer. nat. in Biomedicine Prof. Dr. Regina Ebert | University of Würzburg

Research focus: Dissemination of multiple myeloma & mesenchymal stromal cell interactions

01.04.17 - 26.05.24 Elite Biological Physics University of Bayreuth

parallel to M.Sc. & PhD Interdisciplinary & international study program for exceptional students of physics or biology.

01.10.15 – 15.08.18 M.Sc. in Biochemistry & Molecular Biology Prof. Dr. Claus-D. Kuhn | University of Bayreuth

Research focus: RNA biochemistry, small RNAseq, stem cells & piRNAs in *S. mediterranea*

01.10.12 – 14.12.15 B.Sc. in Biochemistry Prof. Dr. Benedikt Westermann | University of Bayreuth

Research focus: Cell biology, mitochondrial inheritance in S. cerevisiae

LANGUAGES

German, English - C2 Slovakian - passive French, Spanish - A2

Location

SOFT SKILLS

Quality Management Project Management Violent Free Communication **HOBBIES**

Coding - Python Music - Piano & Guitar Gym - Lift. Grow. Repeat

Würzburg 15.06.2024

Date

Signature