

# MARTIN KURIC

Cell Biologist | Data Scientist

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## 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%	Python	100%
Cancer Biology	90%	Image Analysis	90%
Stem Cells	80%	Statistics	80%
RNA Biochemistry	75%	ML/AI	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 / pinguin / 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 (under peer-review).  
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
- 01.04.2017 – 2024 **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

## SOFT SKILLS

Quality Management  
Project Management  
Violent Free Communication

## HOBBIES

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

Würzburg

Location

05.03.2024

Date

Signature