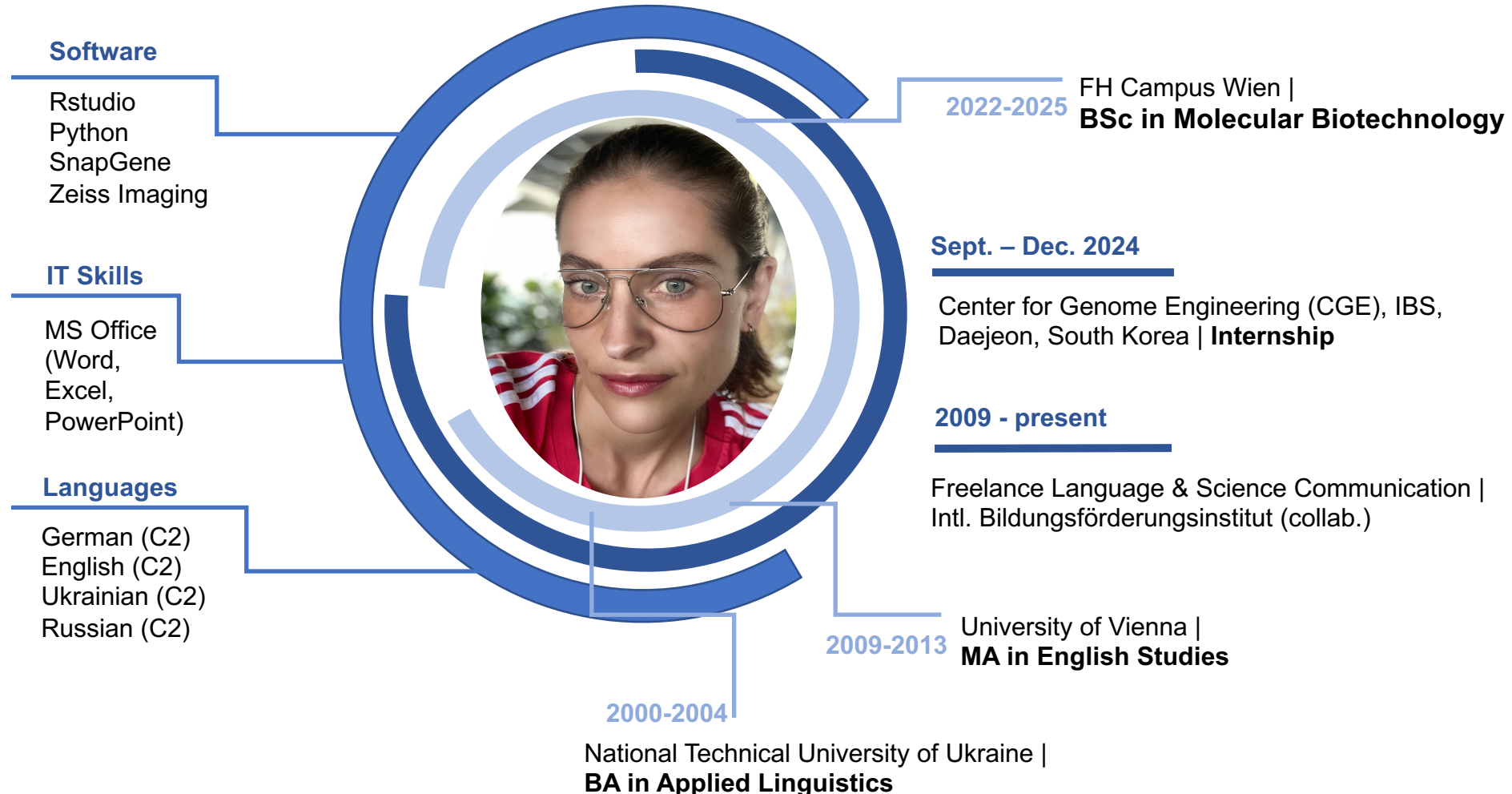


Maryna Aumayr

CV2025



SKILLS & LAB COMPETENCE SNAPSHOT

Maryna Aumayr



MOLECULAR BIOTECHNOLOGY
CV2025 **COMPANION SHEET**

SOFT SKILLS

team collaboration · strong communication · decision-making
attention to detail · analytical thinking · continuous learning

LAB & TECHNICAL SKILLS *(Core Tools & Hands-on Techniques)*

Field	Key Competences & Tools
Molecular Biology	PCR · DNA/RNA isolation · Plasmid prep · Cloning · Gel electrophoresis · Nucleic acid quant
Protein Biochemistry	SDS-PAGE · Western blotting · Protein expression & purification (His-tag/Affinity columns)
Cell Biology	Cell culture (splitting, cryo, counting) · IF staining · Confocal microscopy · Transfection
Microbiology	Cultivation of bacteria · Antibiotic resistance · Sterile techniques
Chemical Techniques	Chromatography (HPLC, TLC) · Titration · Enzyme kinetics · pH, buffer prep
Data Tools	Excel · ImageJ · Fiji · Basic Python · R/Rstudio · LaTeX · BLAST
Lab Standards	Good Laboratory Practice (GLP) · GxP principles · Documentation & Quality control

PROJECT EXPERIENCE (SELECTED)

Bachelor Team Project: GxP Pharmaceutical Operations As part of a team, collaborated on the simulated launch of a GMP-compliant pharmaceutical company. Actively contributed to designing the company logo, coordinating team meetings, drafting and presenting audit milestone scripts, and developing key GMP documents (e.g., SOPs, organigrams, risk analysis). Provided regular updates on operational progress.

Internship Project– Center for Genome Engineering, IBS Korea Conducted a bachelor thesis project on autophagy flux monitoring in gastrointestinal tissues using a tf-LC3 reporter mouse. Gained hands-on experience in PCR genotyping, mouse tissue preparation, IHC, IF staining, confocal microscopy (imaging and analysis), 3-D oral epithelial cell culture

Freelance Science Communication & Educational Content Development Provided multilingual translation of scientific and technical content (biotech, regulatory). Designed and delivered custom teaching curricula and materials, including a textbook, while coaching life science students.