

# FemTech Internship 2023/24

**The biotech spinoff Bisy GmbH offers a paid FemTech internship in the field of Bioinformatics:**

- Female students only
- 30+ h/week
- Mai 2023 – Mai 2024, 2-6 months
- Master level or end of Bachelors
- Possibility for Bachelors/Masters Thesis in cooperation with the Institute of Bioinformatics
- Knowledge of R/python and Bash preferable
- Gleisdorf/Graz (home office possible)

Please send applications or questions to [veronika.schusterbauer@bisy.at](mailto:veronika.schusterbauer@bisy.at) until end of February/beginning of March

## **Possible Topics:**

- 1) Development of a pipeline to define genomic changes between microbial strains, based on long read sequencing data.  
(6+ months, Masters thesis)
- 2) Tracing of variants within lines of engineered strains and across different references, to identify new variants reliably and facilitate comparisons across different references.  
(3 months, Bachelors thesis)
- 3) Improvement of the functional annotation of *Komagataella phaffii*, using available sources like gene ontology databases and KEGG.  
(3 months)
- 4) Assessing the use of pangenomes in biotech, on the example of multiple *Komagataella phaffii* strains.  
(3 months)
- 5) Analysis of *Komagataella phaffii* jackpot clones:  
Definition genomic changes using an available pipeline and further functional analysis of affected genes.  
(2 months)

