

# Philine van Bekkum

## Personal Information

**Address:**  
**Phone:**  
**Email:**  
**Date of Birth:**  
**Place of Birth:**  
**Nationality:**

## Education

Sept 2020 – Present      Hogeschool Utrecht, Utrecht

**BSc Life Sciences (Biology and Medical Laboratory Research)**

**Specialisation:** Biomolecular Research (BMR)

**Project BMR:** Investigating the Influence of Angles in 3D Extrusion-Based Bioprinting.

**Minor:**

- Finance for Non-Financials
- Data Science for Biology

Sept 2015 – July 2020      Revis Lyceum, Doorn

**HAVO – Senior General Secondary Education**

- Curriculum: "Nature & Technology" and "Nature & Health"

## Work Experience

Sept 2022 – Present      UMC Utrecht, Utrecht

**Student Assistant in Medical Microbiology, Molecular Diagnostics**

- Conducting supportive laboratory tasks, including inventory management, maintenance, and cleaning.

## Practical Skills

### Laboratory Skills

- **Molecular Biology:** PCR (Colony, Quantitative, Real-Time), Agarose Gel Electrophoresis, Miniprep, Transfection, SDS-PAGE, Western Blot
- **Genes and Proteins:** ELISA, Cell Fractionation, and Liquid Chromatography.
- **Experimental Design in Cell Culture:** Cell Culture

## Data Science Skills

- **Programming & Tools:** R, RStudio, RMarkdown, RBookdown, RPackage, Git/GitHub, Bash
- **Data Analysis:** SQL, Frequentist Statistics
- **Bioinformatics Pipelines:** RNAseq pipeline in R, Metagenomics pipeline in R

## Languages

- Dutch: Native
- English: Upper-Intermediate (B2)
- German: Intermediate (B1)

## Hobbies

- Running
- Reading
- Drawing
- Playing the piano