

# Curriculum vitae

Tuomas Borman

## 1. PERSONAL DETAILS AND DATE OF CV

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Name: Borman, Tuomas

ORCID: [0000-0002-8563-8884](https://orcid.org/0000-0002-8563-8884)

Date of CV: 13 Oct 2026

## 2. DEGREES AND ACADEMIC TITLES

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**Master of Science (Economics and Business Administration), Accounting and Finance** 2022 – 2023  
Turku School of Economics, University of Turku, Turku, Finland

**Master of Science (Technology), Biotechnology** 2020 – 2022  
University of Turku, Turku, Finland

**Bachelor of Science (Economics and Business Administration), Accounting and Finance** 2020 – 2022  
Turku School of Economics, University of Turku, Turku, Finland

**Bachelor of Science (Technology), Biotechnology** 2017 – 2020  
University of Turku, Turku, Finland

Institution that awarded the highest degree: University of Turku, FI-20014 University of Turku, Finland.

## 3. CURRENT EMPLOYMENT

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**Doctoral Researcher (Data Science)** Jan 2023 – present  
University of Turku, Turku, Finland

- Develop open-source R/Bioconductor tools for microbiome data analysis in the [Turku Data Science Group](#).

**Entrepreneur, data science consultant** Jul 2023 – present  
Statlab Oy, Turku, Finland

- Consulting in bioinformatics and business intelligence.
- Bioinformatics workshops for teams and researchers.
- Research career stage: I (doctoral researcher).
- Doctoral studies: Doctor of Science (Technology), Information and Communication Technology, Doctoral Programme in Technology (DPT), University of Turku, 2023–.
- Secondary position: entrepreneur, Statlab Oy (data science and bioinformatics consulting).

## 4. PREVIOUS WORK EXPERIENCE

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**Project Worker** Apr 2022 – Dec 2022  
Handata Oy, Turku, Finland

- Developed business intelligence tools.

**Project Researcher (Data Science)** Jul 2022 – Dec 2022  
University of Turku, Turku, Finland

- Analysed biomedical data and developed data science tools.

**Research Assistant (Data Science)** Oct 2020 – Jun 2022  
University of Turku, Turku, Finland

- Analysed biomedical data and developed data science tools.

## Teaching Assistant (Biotechnology)

Oct 2020 – Feb 2021

University of Turku, Turku, Finland

- Taught on an MSc laboratory course (Laboratory Exercises in Molecular Biotechnology) and a BSc laboratory course (Biotechnical Systems).

## 5. CAREER BREAKS

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None.

## 6. RESEARCH FUNDING AND GRANTS

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### Salaried doctoral researcher position

Jan 2025 – Dec 2026

University of Turku Doctoral School

- Personal funding, competitively awarded to the applicant.

## 7. RESEARCH OUTPUT

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- **Orchestrating Microbiome Analysis with Bioconductor (OMA)**, 2020–. Open-source R/Bioconductor framework for microbiome data science (<https://microbiome.github.io>). Core developer. Maintainer of the R/Bioconductor packages mia, miaViz, miaTime, HoloFoodR and MGnifyR, and of the OMA online book.
- Contributor to several other open-source R packages, including anansi, bluster, miaSim, scater, TreeSummarizedExperiment and vegan.

## 8. SUPERVISION AND LEADERSHIP EXPERIENCE

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- Thesis supervisor for 1 Master's thesis and 1 Bachelor's thesis.
- Chair of the Board, The Finnish Society for Bioinformatics, 2026–; board member 2024–2026.
- Mentor, Outreachy open-source internship programme, 2023.
- Coordinator of the European Bioconductor Conference 2026 organisation; coordinator of CompLifeSci, BioCity Turku, 2022–.

## 9. TEACHING MERITS

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- 17 workshops, courses and lectures since 2022: lead instructor in 6 and co-instructor in 10. Full list: <https://tuomasborman.github.io/presentations.html>
- Certified Carpentries Instructor, The Carpentries, 2025.
- Open educational resources: developer of the open-source OMA online book (<https://microbiome.github.io/OMA>), Carpentries lesson material and other open training material for microbiome data analysis.

## 10. AWARDS AND HONOURS

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## 11. OTHER SIGNIFICANT ACADEMIC MERITS

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- Member of the Community Advisory Board, Bioconductor, 2025–.
- Coordinator, European Bioconductor Conference 2026, Turku.
- Coordinator, Computational and Molecular Methodologies for Life Sciences (CompLifeSci), BioCity Turku, 2022–. Coordinated several local and national events with 20–200 participants.

## 12. SCIENTIFIC AND SOCIETAL IMPACT

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- Open science: all software and training material are open source and openly available through Bioconductor and GitHub.

### 13. OTHER

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- Member of the Bioconductor Training and Microbiome working groups, 2026–.
- Organising committee member, European Bioconductor Conference (EuroBioC), 2024–.