

Dr. Henrik Sørensen

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PROFILE

Plant genomics researcher completing a PhD on drought-response traits in barley. Six first- or co-author publications, four years of teaching and supervision, and a growing conviction that my work should end in fields, not just journals.

EXPERIENCE

PhD Researcher — Plant Genomics

University of Copenhagen, Dept. of Plant and Environmental Sciences 2022 — 2026 (defense expected October 2026)

- Identified three candidate loci associated with drought tolerance in barley via GWAS across 400 accessions; findings published in Plant Biotechnology Journal
- Built an R-based analysis pipeline now used by two other research groups in the department
- Supervised 4 MSc students (all graduated on time) and taught two BSc lab courses per year

Research Assistant

Nordic Seed A/S (industry placement)

Summer 2023

- Spent four months in an applied breeding program; learned how trait candidates survive (or die) between lab and field trial
- Wrote the internal report that selected two of my candidate markers for the company's validation pipeline

EDUCATION

PhD, Plant Genomics (defense October 2026)

University of Copenhagen

2022 — 2026

M.Sc. Molecular Biology

University of Copenhagen

2020 — 2022

Graduated summa cum laude

SKILLS

Research: GWAS, marker development, RNA-seq, CRISPR validation, greenhouse phenotyping

Computational: R (advanced), Python (intermediate), HPC clusters, Git

Communication: 6 peer-reviewed publications, 8 conference talks, MSc supervision