

SIGRID FU SKJELBOSTAD

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I am dedicated, reliable and able to work under pressure. I take great responsibility in every task I commit to, as well as being result oriented. I am eager to learn new skills and I am not afraid of taking the lead speaking my mind.

RELEVANT EXPERIENCES

JUNE 2024-

RESEARCH ASSISTANT, BAK LAB, AARHUS, DENMARK

- Correcting specific patient mutations in a primary immunodeficiency disorder (Job syndrome) with prime editing.

Main methods: mammalian cell culturing, *in vitro* transcription, electroporation, ddPCR, Flow Cytometry.

AUGUST 2023 – JUNE 2024

ERASMUS TRAINEE, BAK LAB, AARHUS, DENMARK

- Demonstrating multiplexed gene editing of CAR-T locus with base editing
- Specific integration of anti-FLT3 CAR gene into the T-cell receptor alpha constant (TRAC) locus for thaw-on-demand allogeneic therapy.

Main methods: mammalian cell culturing, AAV and Lentivector production, *in vitro* transcription, electroporation, ddPCR, Flow Cytometry.

EDUCATION

AUGUST 2021- MAY 2023

MASTER'S IN BIOTECHNOLOGY, NORWEGIAN UNIVERSITY OF LIFE SCIENCE, ÅS, NORWAY

Master thesis: "Optimizing CRISPR-Cas9 technology for therapeutic use in primary immunodeficiency diseases".

In collaboration with University of Oslo and NCMM, Haapaniemi Lab.

Main methods: bacterial work (cloning), mammalian cell culturing, *in vitro* transcription, electroporation, ddPCR, and Western Blotting.

JUNE 2018- MAY 2021

BACHELOR'S IN BIOTECHNOLOGY AND APPLIED CHEMISTRY, OSLO

METROPOLITAN UNIVERSITY, OSLO, NORWAY

Bachelor thesis: "Methylation in cell-free circulating DNA as a potential biomarker for early detection in breast cancer".

In collaboration with Oslo University Hospital, Kristensen Lab.

Main methods: E-ice-COLD-PCR and pyrosequencing.

OTHER EXPERIENCES

AUGUST 2019- DECEMBER 2020

ASSISTANT IN GENERAL CHEMISTRY AND PERSONAL MENTOR, OSLO

METROPOLITAN UNIVERSITY, NORWAY

- Assistant in General Chemistry: Giving academical support to students enrolled in General Chemistry. *Four hours per week.*
- Mentor: Structuring and giving academical support to a student studying Biotechnology and Applied Chemistry. *Four hours per week.*

VOLUNTARY WORK

- 2019-2023: Board member and treasurer in OSI Langrenn
- 2021-2022: Teacher assistant in Vektorprogrammet and Board member in Naturvernforbundet, Ås
- 2018-2021: Representative in the Student Council, the Welfare Council, the Student Parliament, and in the Committee of Sustainability at OsloMet

LANGUAGES

- Mother tongue: Norwegian
- Advanced: English
- Intermediate: French

IT SKILLS

- Excel, Word
- Beginner's course in Python, LaTeX, and R studio