



TORILL BLIX

Postdoctoral Researcher NORCE Climate and environment

Interdisciplinary researcher with a background in biotechnology, specialized in sustainability, ethics, and societal aspects of animal gene editing. Skilled in empirical ethics, qualitative methods, RRI, and circular economy in the seafood industry. Experienced in securing successful national and international research grants, as well as communicating research to both academic audiences and the general public.

CONTACT

+4799481002
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EXPERTISE

Biotechnology
Sustainability
Empirical ethics
Transdisciplinary research

SOFTWARE

Microsoft Office
NVivo
Canva, InDesign

CORE STRENGTHS

Creative
Transdisciplinary collaboration
Science communication
Conceptualization
Leadership

REFERENCES

On request

WORK EXPERIENCES

POSTDOCTORAL RESEARCHER

NORCE | 10.2023 -

Project CRISPRWELL Non-safety assessments of genome-edited animals: ethical and regulatory challenges and solutions (NFR 335436). Guest researcher at Center for Macroecology and Evolution, Copenhagen University. 70% position.

RESEARCHER III

NORCE | 03.2023 -

Participant in various projects as a researcher and work package leader. Member of NORCE Sustainability Committee developing and implementing sustainability reporting. 30% position.

PHD CANDIDATE

NORCE | 12.2021 - 02.2023

Genøk - Senter for Biosikkerhet | 09.2019-12.2021

Project CRISPRsalmon Genome editing - a game-changer in aquaculture: Conditions for social and moral acceptance (NFR 295094). Position maintained after organizational transfer.

RESEARCH ASSISTANT

NTNU | 12.2021 - 02.2023

Department of Chemistry, course unit KJ1000 General chemistry, laboratory exercises.

HOST

SCIENCE CENTRE OF NORTHERN NORWAY | 06.2017-12.2017

Guide in The Northern Lights Planetarium and receptionist

EDUCATION

PHD IN NATURAL SCIENCES | 09.2019 - 03.2023

THE NORWEGIAN COLLEGE OF FISHERY SCIENCE, UIT – THE ARCTIC UNIVERSITY OF NORWAY

Thesis: "Genome-edited salmon: A sustainable and socially acceptable solution to aquaculture?" DOI: 10037/28732

M.SC. IN BIOTECHNOLOGY | 08.2014-06.2019

DEPARTMENT OF BIOTECHNOLOGY AND FOOD SCIENCES, NTNU

Thesis: "How can proteins, lipids and astaxanthin be extracted from snow crab (*Chionoecetes opilio*) rest raw material in a sustainable manner?" DOI: 11250/2621737

PROJECTS

TORILL BLIX

CV 2025

CRISPRWELL-ECO | 02.2025-07.2025

ECOLOGICAL CHALLENGES AND SOLUTIONS OF CONSERVATION BIOTECHNOLOGY. NFR 355105 UTENLANDSSTIPEND.

Guest researcher ved Center for Macroecology and Evolution, Globe Institute, Copenhagen University

XTREAM | 01.2025-12.2028

SUSTAINABLE EXPLORATION AND BIODISCOVERY OF NOVEL PRODUCTS AND PROCESSES FROM EXTREME AQUATIC MICROBIOMES TO EXPEDITE THE CIRCULAR BIOECONOMY. EC/HEU 101182278

Task leader, ethics advisor and researcher

SAFE PHAEO3 | 01.2025-12.2028

DATA-DRIVEN ENGINEERING OF MICROALGAL BIOFACTORIES FOR SAFE AND EFFICIENT OMEGA-3 PRODUCTION. NFR 353213.

Work package leader and researcher

CRISPRWELL | 08.2023-09.2027

NON-SAFETY ASSESSMENTS OF GENOME-EDITED ANIMALS: ETHICAL AND REGULATORY CHALLENGES AND SOLUTIONS. NFR 335436.

Postdoctoral Researcher

NORCE SUSTAINABILITY WORKING GROUP | 11.2022-

SUSTAINABILITY REPORTING I NORCE

Participant

SIRKSJØ | 09.2022-09.2023

UTREDNING FOR SIRKULÆRØKONOMI FOR SJØMAT. FHF 901772

Researcher

CRISPR SALMON | 03.2019-08.2023

GENOME EDITING - A GAME-CHANGER IN AQUACULTURE: CONDITIONS FOR SOCIAL AND MORAL ACCEPTANCE. NFR 295094.

PhD candidate

SCIENTIFIC PUBLICATIONS

Blix, T., & Wathne, H. (2024). Scoping genome editing in the Norwegian public. In M. Giersberg, F. Meijboom, & B. Bovenkerk (red.), Back to the future (pp. 87-92). Wageningen Academic.

Winther, H., **Blix**, T., Holm, L., Myhr, A. I., & Myskja, B. (2023). A social and ethical game-changer? An empirical ethics study of CRISPR in the salmon farming industry. Environmental Values, 09632719231196543.

Myhr, A., Herheim, C., Opsahl, E., Helland, E., Dahle, E. S., Provan, F., Ahi C., Kjelstrup L., Tveterås, R., Bechmann, R., **Blix**, T., Landazuri-Tveterås. (2023). Utredning av sirkulær økonomi i sjømatnæringen, faglig rapport nr. 7-2023, NORCE Research AS Klima og Miljø.

Blix, T. B., & Myhr, A. I. (2023). A sustainability assessment framework for genome-edited salmon. Aquaculture, 562, 738803.

Okoli, A. S., **Blix**, T., Myhr, A. I., Xu, W., & Xu, X. (2021). Sustainable use of CRISPR/Cas in fish aquaculture: the biosafety perspective. Transgenic Research, 31, 1-21.

Blix, T., & Myhr, A. I. (2021). 51. Genome edited salmon: fish welfare as part of sustainability criteria. In H. Schübel & I. Wallimann-Helmer (red.), Justice and food security in a changing climate (pp. 331-336). Wageningen Academic.

Blix, T. B., Dalmo, R. A., Wargelius, A., & Myhr, A. I. (2021). Genome editing on finfish: Current status and implications for sustainability. Reviews in Aquaculture, 13(4), 2344-2363

POPULAR SCIENCE PUBLICATIONS

Blix, T., Winther, H. Utryddelse er for alltid. Nationen 19.04.25

Myskja, B. K., Winther, H., **Blix**, T., Myhr, A. I., Tvedt, M. W. Genredigering, patent og dyrevelferd. Nationen, 01.03.24

Winther, H., **Blix**, T. Behov for et bredere bærekraftsbegrep i oppdrettsnæringen. Intrafish.no 20.08.21

Sandvik, H. M., **Blix**, T., CRISPR – et skifte i norsk lakseoppdrett? Norsk fiskeoppdrett, juni 2020

Antonsen, T., **Bakkelund**, T. B., Kjeldaas, S., Dassler, T., Hva mener nordmenn egentlig om genmodifisert mat? Aftenposten Viten, 19.05.20

Antonsen, T., **Bakkelund**, T. B., Kjeldaas, S., Wikmark, O.-G. Problematisk undersøkelse om genredigering. Nationen, april 2020

Bakkelund, T. B., Hva mener tromsøværinger om GMO? Nordnorsk debatt, 8.11.19

For full oversikt over presentasjoner og konferransedeltakelse, se Cristin (person-ID: 920621).

COURSES

CHESS (Research school on changing climates in the coupled earth system) **Writing successful project proposals**. Bergen, 04.2024.

Norges forskningsråd (Dag Oppen Berntsen) **Prosjektverksted**: Hvordan vi strukturere et godt forsknings- og innovasjonsprosjekt? Tromsø, 10.2019.