

Anne Heidi Skogholt

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Born: 18. November 1979

EDUCATION

Master of Science

NTNU, Norwegian University of Science and Technology

Biotechnology

Aug 2001 - Nov 2006

Title of thesis: "Polymerase Chain Reaction for Amplification of Ultra Small Quantities of DNA – Significance of DNA Quality for Efficiency and Fidelity". The master of science in biotechnology involved several topics within biology and biochemistry; such as molecular biology, microbiology, biochemistry, statistics, histology, genetics, and ethics to name a few.

EXPERIENCE

PhD – candidate

Sep 2010 - present

The Faculty of Medicine, NTNU

Project title: "Messenger RNAs (mRNAs) as clinical biomarkers for diagnosis, prognosis, and prediction of therapeutic response in lung cancer"

- Bioinformatical analysis of microarray data
- Isolating totalRNA from blood and tissue samples
- Writing applications, articles and thesis

Researcher

Jun 2016 - present

The Faculty of Medicine, NTNU

I am coordination phenotype-data from biobank data and electronic health registries to genetic analyses at the K.G. Jebsen center for genetic epidemiology.

- The research is based on the genotyping of a large population based cohort within Norway, the North Trøndelag health study, HUNT.
- Approximately 70,000 individuals have been genotyped using the Illumina human core exome chip.
- The center is currently involved in more than 50 studies within a wide range of phenotypes.
- In collaborations with clinicians and specialist researchers within their field, the center has a leading role in the genetic analyses of this large dataset.

Scientific assistant

Jun 2007 - Aug 2010

The Faculty of Medicine, NTNU

Worked with several projects

- Sequencing patient samples related to palliative treatment. We discovered a SNP related to reduced opioid response. Article in press
- Established a method for isolating totalRNA from PAXgene and Tempus RNA stabilising tubes
- Ran SNPlex analysis for several projects

Technical engineer

Summer 2006 and Feb - May 2007

The Faculty of Medicine, NTNU

Bioinformatical analysis and laboratory work

- Searching databases to find interesting SNPS related to DNA repair genes
- Optimizing PCR for amplification of small quantities of DNA

Proxy

Occasional periods throughout 1997 – 2008

Police of Sør-Trøndelag

Different position throughout the years

- Processed applications for weapon, passport and police certificates in collaboration with the duty lawyer and more

LECTURES AND SCIENTIFIC DISSEMINATION

Lectures

Norwegian Biochemical Company (NBS)

Apr 2016

“A Modified Protocol Reduces the Gene Expression Differences Between the RNA stabilizing blood tubes PAXgene- and Tempus”

Children's University, Trondheim Public Library

Nov 2011

Held a lecture for children between 8 and 11 years about DNA

EPCRC, NTNU

nov 2009

”miRNAs as clinica biomarkers for lung cancer diagnosis, prognosis and prediction for therapeutic response”

PhD-kurs: Genomic approaches in human diseases, NTNU

okt 2008

”Local facility: SNPlex analysis”

Norwegian Biochemical Company (NBS)

Sep 2009

”Polymerase chain reaction for amplification of ultra small quantities of DNA –Significance of DNA quality for efficiency and fidelity”

Stands

Jun/Sep 2009

St. Olavs Hospital, Forskningsrådet

Organiserte og representerte standen ”Kroppen, celler, DNA, DNA” av ”DNAniacs” på forskningstorget i Trondheim. Vi vant pris for beste stand. Den samme standen ble brukt da vi representerte molekylærbiologisk forskning ved Det medisinske fakultet for publikum under åpningen av det nye sykethuset.

Poster

National Research School in bioinformatics, biostatistics and systems biology (NORBIS) Oct 2015

“A Modified Protocol Reduces the Gene Expression Differences Between the RNA stabilizing blood tubes PAXgene- and Tempus”

COURSE / APPOINTMENTS

Online course

R programming, Johns Hopkins University, available at <http://coursera.org>

Introduction to genomic Technologies, Johns Hopkins University, available at <http://coursera.org>

NORIBS

Genetic epidemiology and genome wide association analyses

ENLINO

Lithuanian-Norwegian master program in environmental science where we learned to use biological knowledge in natural resource management and environmental management

Tecan Freedom EVOWare

Practical and theoretical understanding of Tecan robot and Tecan Freedom EVOWare standard software

SKILLS

Language

Norwegian – mother tongue, English – fluent written and spoken

IT

R programming, Ms Office, Wordpress, Adobe Photoshop, HTML

Other

Drivers licence class B

REFERENCES

Professor Kristian Hveem

K.G. Jebsen Center for genetic epidemiology, Department of Public Health and general Practice /
Department of Laboratory Medicine Women and Children's Health

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Professor Pål Sætrom

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Department of Cancer Research and Molecular Medicine

Faculty of Information Technology, Mathematics and Electrical Engineering

Faculty of Medicine

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