Nordic Alliance for Clinical Genomics

17th NACG workshop

Changing Landscape of Clinical Implementation of Sequencing

Hotel Reykjavík Askja, 23rd to 25th of September 2026

Welcome to the 17th NACG workshop

Program committee:

Eirik Bratland, Edda María Elvarsdóttir, Sara Þöll Halldórsdóttir, Anders Jemt, Sofia Khan, Dorte Launholt Lildballe, Benjamin Hanson Schantz-Conlon and Yngve Sejersted

Organizing committee:

Eiríkur Briem, Edda María Elvarsdóttir and Sara Þöll Halldórsdóttir

Nordic Alliance for Clinical Genomics

Agenda

Programme at a glance:

Registration 16-18 on the 23rd of September

Day 1

Time	Session
08:30 - 09:00	Registration
09:00 - 09:30	**Welcome address**
09:30 - 10:30	**Keynote by Winston Timp**
10:30 - 11:00	Coffee break and sponsor booths
11:00 - 12:30	**Rapid fire talks**
12:30 - 13:30	Lunch
13:30 - 14:45	**Parallel sessions:** **Hard to solve cases** **AI driven bioinformatic development**
14:45 - 15:15	Coffee break and sponsor booths
15:15 - 15:30	**Recap of parallel sessions**
15:30 – 16:30	**Implementation and development of new technologies and systems**
16:30 - 19:00	Time on your own (Social Run, Spa, beach or free time)
19:00 - 19:30	Pre-dinner drink
19:30	Dinner

Day 2

Time	Session
08:30 - 09:30	**Pharmacogenomics**
09:30 - 10:30	**Methylation**
10:30 - 11:00	Coffee break and sponsor booths
11:00 - 12:00	**National / Regional scale initiatives**
12:00 - 12:30	**Summary & farewell, announcement of next NACG**
12:30 - 13:30	Lunch

Wednesday 23rd September 2026

From 15:00 Check in and free time

16:00-18:00 Registration

Thursday 24th September 2026

Time	Session	Lead
08:30 – 09:00	**Registration**	Organizers
09:00 – 09:30	**Welcome address**	Organizers + NACG steering committee
09:30 - 10:30	**Opening keynote lecture** **Winston Timp:** *A Field Guide to Modern Sequencing: From Molecules to Methods*	Eiríkur Briem
10:30 – 11:00	**Coffee break and visit to sponsor booths**	Organizers
11:00 – 12:30	**Rapid fire talks** **Henrikki Almusa:** *Using previous data to figure out mixed indexes or the mystery of plate 56* **Pietro Achatz Antonelli:** *What We've Learned About Sample Prep Automation Across Europe* **Camille Clouard:** *An end-to-end Nanopore amplicon sequencing workflow for mutation detection in Acute Myeloid Leukemia* **Marieke C. van Eggelen:** *A new automation system: Step by Step, Orchestrated by Maestro* **Kamar Chloé Ghaibour:** *Beyond the Pseudogene: Unlocking CYP21A2 with Long-Read Sequencing* **Andrei Guliaev:** *Long-read sequencing for clinical bioinformatics: a pipeline for high-risk genomic marker detection in multiple myeloma* **Mariann Kristensen:** *Experiences with Automation on Hamilton NGS STAR V and SPT Labtech Firefly+* **Asgeir Lande:** *From Categorical Rules to Probability: Bayesian Reassessment of Variant Pathogenicity* **Oshadi Peiris***: Improving Turnaround Time in Targeted Genome Analysis Workflow* **Ying Sheng:** *Improved Mosaic Variant Detection Through Parameter Optimization* **Simon Sundling:** *IconPCR - The future of PCR?* **Klaus Tangsgaard:** *Solutions for Cancer Transcriptome Profiling from the Smallest to the Longest RNAs* **Håkan Thonberg:** *Long-read sequencing as a diagnostic screening, experience from 100 patients* **Oda Ånesland:** *Implementation of a New LIMS: Benefits, Challenges, and Next Steps* **Michael Palmer***: High-throughput genomic and transcriptomic profiling with Parse and Qiagen*	Eirik Bratland Edda María Elvarsdóttir

Time	Session	Lead
12:30 – 13:30	**Lunch**	Organizers
13:30 - 14:45	**<u>Parallel session</u> - <u>Hard to solve cases</u>** **Ekaterina Kuchinskaya:** *The Importance of Clinical Diagnosis in Hereditary Cancer Genetic Screening* **Lisa Redford**: *PMS2 challenges in a patient with possible constitutional mismatch repair deficiency (CMMRD)* **Emma Adine Hoxer Scott:** *PMS2 vs PMS2CL: Resolving Likely pathogenic variant using Long Read sequencing* **Siv Anita Hegre/Kristine Misund:** *Resolving a Hunter Disease Case Using Long Read sequencing* **Kristján Ari Ragnarsson:** *Complete pseudoanodontia resulting from genomic rearrangement at the SHH locus* **Kaisa Kettunen:** *From Unsolved to Candidate Diagnosis: Transcriptomics Reveals a Hidden Variant*	Sara Þöll Halldórsdóttir Eirik Bratland
	<u>Parallel session</u> – <u>AI driven bioinformatic development: Practical experiences and agentic coding</u> **Anders Lind:** *AI driven software development – Experiences and recommendations* **Andrey Melnyk:** *Practical applications of AI agents in bioinformatics*	Sofia Khan Anders Jemt
14:45 – 15:15	**Coffee break and visit to sponsor booths**	Organizers
15:15 – 15:30	**Recap of parallel sessions**	Scientific committee
15:30 - 16:30	**<u>Implementation and development of new technologies and systems</u>** **Aino Palva:** *How low can you go? Exploring the limits of low pass WGS* **Francesco Bettella**: *Offline annotation of VCFs for diagnostic interpretation* **Jonas Dalsberg Jørgensen:** *Implementing PacBio WGS for Repeat Expansion Analysis: Challenges and Lessons Learned* **Jesper Eisfeldt:** *Short talk on long reads*	Anders Jemt Benjamin Schantz-Conlon
16:30 -19:00	**Time on your own** Social ~5K run around Reykjavík Spa, beach or free time	
19:00 - 19:30	**Pre-dinner drink**	Organizers
19:30	**Dinner**	Organizers

Friday 25th September 2026

Time	Session	Lead
Before 08:30	**Check out and breakfast**	
08:30 - 09:30	**Pharmacogenomics** **Johanna Sistonen:** *Implementing pharmacogenetic testing at HUS: experiences and lessons learned* **Majbritt Busk Madsen:** *Current progress and future perspectives on clinical PGx implementation* **Thomas D. Als:** *A multi-platform PGx pipeline – Current troubles in implementation and validation?*	Sofia Khan Dorte Launholt Lildballe
09:30 - 10:30	**Methylation** **Jón Jóhannes Jónsson:** *DNA analysis: Not just the 4-base sequence* **Mathis Hildonen:** *DNA methylation signature analysis using long-read sequencing* **Hans Tómas Björnsson:** *Episignatures: Lessons from Mendelian Disorders of the Epigenetic Machinery* **Bjarni V. Halldórsson:** *What 50,000 UK biobank ONT long-read genomes and epigenomes reveal*	Benjamin Schantz-Conlon Yngve Sejersted
10:30 - 11:00	**Coffee break and visit to sponsor booths**	Organizers
11:00 - 12.00	**National / Regional scale initiatives** **Denmark:** Ane Yde Schmidt and Mette Christiansen **Finland:** Anna-Kaisa Anttonen **Iceland:** Eiríkur Briem **Norway:** Beate Skinningsrud and Vidar Martin Steen **Sweden:** Anna Lindstrand	Edda Elvarsdóttir Sara Þöll Halldórsdóttir
12.00 - 12:30	**Summary & farewell, announcement of next NACG**	NACG steering committee
12:30 - 13:30	**Lunch**	Organizers

Participants

Aino Palva	Finland
Aleksei Nesterenko	Norway
Aliaa Alwadi	Finland
Anders Jemt	Sweden
Anders Lind	Sweden
Andreas Kegel	Triolab Ab
Andreas Venizelos	Oxford Nanopore Technologies
Andrei Guliaev	Sweden
Andrey Melnyk	Finland
Ane Yde Schmidt	Denmark
Anna Leinfelt	Sweden
Anna Lindstrand	Sweden
Anna Lyander	Sweden
Anna Zetterlund	Sweden
Anna-kaisa Anttonen	Finland
Anne MargretheMoe	Norway
Anne Marie TangsgaardNew	England Biolabs
Anuradha Ravi	Norway
Arianda Abazi	CENTOGENE GmbH
Arnhildur Tómasdóttir	Iceland
Arvind Sundaram	Norway
Asgeir Lande	Norway
ASHISH KUMAR Singh	Norway
Beate Skinningsrud	Norway
Benjamin Schantz-Conlon	Denmark
Bjørk Larsen	Denmark
Camille Clouard	Sweden
Caroline Bækgaard	Denmark
Christina Westmose Yde	Denmark
Claus Zacho	Denmark
Clément Moliné	Norway
Dag Undlien	Norway
Denise Rawcliffe	Sweden
Dorte Lildballe	Denmark

Ebb Mohr Vang	Iceland
Edda María Elvarsdóttir	Iceland
Eirik Bratland	Norway
Eiríkur Briem	Iceland
Ekaterina Kuchinskaya	Sweden
Elina Kolehmainen	Finland
Elina Niemelä	Finland
Eline Mejlænder-andersen	Norway
Emilie Lester	Denmark
Emilie Ottesen	Norway
Emma Dizdarevic	Sweden
Emma Scott	Denmark
Erla Björk Ólafsdóttir	Iceland
Esmee Ten Berk De Boer	Sweden
Felix Lenner	Sweden
Francesco Bettella	Norway
Frederik Otzen Bagger	Denmark
George Easow	Volta Labs
Gitte Moeller	PacBio
Gry Asker	Norway
Hafdis Helgadottir	Sweden
Håkan Thonberg	Sweden
Hanne Gro Olsen	Norway
Hanne Sørmo Sorte	Norway
Hans Bjornsson	Iceland
Helena Karstensen	Denmark
Helena Nord	Sweden
Helga Hauksdottir	Iceland
Henrikki Almusa	Finland
Inge Søkilde Pedersen	Denmark
Irene Duba	Sweden
Jakob Ørtvig	Oxford Nanopore Technologies
Jakob Holm Dalsgaard Thomsen	Denmark
Janna Saarela	Norway
Jesper Eisfeldt	Sweden
Johanna Sistonen	Finland

Jonas Dalsberg Jørgensen	Denmark
Jorge Pinto Basto	Centogene
Jón Jóhannes Jónsson	Iceland
Kaisa Kettunen	Finland
Kamar Chloé Ghaibour	Biotechne Diagnostics
Klaus Tangsgaard	New England Biolabs
Kristian Tveten	Norway
Kristina Lagerstedt-Robinson	Sweden
Kristine Misund	Norway
Kristján Ari Ragnarsson	Iceland
Leonardo A. Meza-Zepeda	Norway
Linn Mari Storengen	Norway
Lisa Redford	Norway
Lotte Andreasen	Denmark
Louise Kirk	Twist Bioscience
Mads Sønderkær	Denmark
Majbritt Busk Madsen	Denmark
Marcus Hansen	Denmark
Mari Tinholt	Norway
Maria Grymer Mørch	Denmark
Maria Strandh	Sweden
Mariann Kristensen	Norway
Marieke Cecilia van Eggelen	Norway
María Birkisdottir	Iceland
Marlene Ek	Sweden
Martijn Heeneman	SeqOne
Martin Larsen	Denmark
Martin Rippin	Norway
Mathis Hildonen	Denmark
Mattias Bergman	Twist Bioscience
Mette Christiansen	Denmark
Michael Palmer	Parse Biosciences
Mira Kuburovic	SeqOne
Moa Lundkvist	Sweden
Neil Ward	Pacbio
Oda Eline Sandmo Ånesland	Norway

Oliver Goldenberg	Roche Diagnostics Deutschland GmbH
Oshadi Peiris	Sweden
Pablo Sanchez	Genemind Biosciences Company Limited
Pasquale Netti	Biotechne Diagnostics
Peter Pruisscher	Sweden
Petra Okko	Roche
Pietro Achatz Antonelli	Volta Labs
Qin Hao	Denmark
Sara Fagergren	QIAGEN AB
Sara Löfgren	Sweden
Sara Þöll Halldórsdóttir	Iceland
Sarika Heino	Finland
Shiva Esfahani	Techtum Lab
Sigrid Børte	Norway
Sigríður Ólafsdóttir	Iceland
Sigrún Laufey Sigurðardóttir	Iceland
Simon Sundling	Sweden
Siv Anita Hegre	Norway
Sofia Gruvberger Saal	Sweden
Sofia Khan	Finland
Svanborg Gísladóttir	Iceland
Søren Vang	Denmark
Thomas Als	Denmark
Tijmen van Blijswijk	Roche Diagnostics
Tina Catela Ivkovic	Sweden
Tushar Shah	N6 Tec Inc
Ugur Sinan Alp	Genemind Biosciences Company Limited
Valtteri Wirta	Sweden
Vidar Martin Steen	Norway
Viktor Henmyr	Sweden
Winston Timp	United States
Ying Sheng	Norway
Yngve Sejersted	Norway
Øystein Holla	Norway

Thank you for attending the workshop!

More information about Nordic Alliance for Clinical Genomics (NACG) can be found at https://nordicclinicalgenomics.org/

A warm thank you to the sponsors:

Nordic Alliance for Clinical Genomics