15th NACG workshop

26-27 September 2024

Asker, Norway

The 15th NACG workshop will be held at Holmen Fjordhotell in Asker just outside Oslo, Norway. This year a main focus for the workshop will be long read sequencing in clinical genomics.

About the venue and how to get there:

Holmen Fjordhotell (https://www.holmenfjordhotell.no/) is beautifully located in Asker, by the Oslo fjord seaside. From Oslo airport, take the Airport express train (Flytogekspressen) to Asker, which takes 45 minutes. From Asker take a taxi for approximately 10 minutes to Holmen Fjordhotell. The airport express train from Gardermoen airport leaves for Asker every 20 minutes.

Attendance fee:

A fee of NOK 3.900 will have to be paid before the registration is finalized. The fee, which covers one night at Holmen Fjordhotell and all meals (lunch to lunch) can be paid either using a credit card or by paying an invoice. Se information in registration link for details.

Registration

Registration deadline is June 12th, 2024.

The number of participants are limited and participants will be accepted on a first come, first served basis, so please register early.

To register for the workshop follow this link:
https://www.letsreg.com/no/register/NACG2024_28022024092214

Preliminary agenda

As always, the workshop will be highly interactive - aiming to foster Nordic collaboration, networking and knowledge sharing. In addition to regular agenda items, providing updates on developments in the Nordic countries in the field of genomic medicine, a main topic this year will be *long read sequencing* and its adaptation into clinical practice. Long read sequencing has the potential to overcome some of the shortcomings of short read sequencing technologies that currently dominate genomic diagnostics. In this workshop, early adapters will present and discuss their experiences and stimulate discussions on benefits, limitations and maturity of the technologies.

26th September, Day 1

Time	Item	Responsible
10:00 - 10:30	Registration and coffee	Oslo University Hospital
10:30 - 11:00	Welcome address	Dag Undlien
11:00 - 12:00	**Invited keynote speaker**: Prof. dr. Christian Gilissen, Radboud university medical center, The Netherlands. Experiences from long read sequencing	
12:00 - 13:00	Lunch	
13:00 - 14:00	**National updates** relating to development in national programs in genomic medicine, precision diagnostics and precision medicine	Janna Saarela

14:00 - 15:30	**Parallel session 1** – long read sequencing. Bioinformatics *Methods, tools and pipelines*	Ksenia Lavrichenko, Jesper Eisfeldt
	Parallel session 2 – long read sequencing. Wet lab; Experiences and challenges *DNA extraction, choice of method, pitfalls in sample preparation, robotics, scalability in wetlab*	Ida Höijer, Anna Lyander, Aino Palva
15:30 - 16:00	Coffee break	
16:00 - 16.15	**Summary of today's workshops**	Workshop leaders
16:15 - 17:30	**Rapid-fire session on knowledge sharing** Every site should contribute. *Brief presentations (7+3 min) on essentially any topic relevant to NACG activities (does not have to be on the theme of the workshop). Also event sponsors may present new products and services. The purpose is to disseminate information regarding new tools, workflows, clinical cases etc. The session is in the beginning of the workshop to facilitate follow-up discussion during breaks and other social events.*	Dorte Launholt Lildballe
17:30-19:30	Time on your own – spa, sauna or free time	
19:30 – 20:00	Pre-dinner drink and social activity	Oslo University Hospital
20:00	Dinner	

27th September, Day 2

Time	Item	Responsible
09:00 - 10:00	**Bridging the gap – experiences with AI-solutions in clinical genomics** *In the 14th NACG workshop AI-solutions was the major theme. In this session, we invite brief presentations (7+3 min) on experiences with such tools gained since the previous workshop.*	Beate Skinningsrud
10:00 - 10:30	Coffee break	
10:30 - 12:00	**Workshop** **Long read seq; Clinical applications - possibilities, limitations and scalability** *Benefits compared to short read sequencing, methods, robustness, limits of scalability, QC and filtering, pitfalls*	Majbritt Busk Madsen, Ksenia Lavrichenko, Gry Asker
12:00 - 13:00	Lunch	
13.00 – 13:50	**Workshop** **Long read seq; Clinical applications - possibilities, limitations and scalability,** *continues*	Majbritt Busk Madsen, Ksenia Lavrichenko, Gry Asker
13:50 – 14.30	**Data sharing – Experiences from national data**	TBD

	sharing of interpreted variants in Norway	
14:30 - 15:00	**Summary & farewell, announcement of next WS** Coffee break	Dag Undlien