

Program overview

Thursday, 23rd of January

11.00 – 15.00	Registration	
13.00 – 15.00	Lunch	
15.00 – 15.15	Welcome: Trude Flo (Falkberget)	
15.15 – 16.00	PL1: <i>Mysteries of multicellularity - a green perspective.</i> Dolf Weijers, Wageningen University and Research, Netherlands. Chaired by Thorsen Hamann (Falkberget)	
16.00 – 16.45	PL2: <i>From deterministic cardiac development to regulative whole heart regeneration.</i> Lionel Christiaen, Michael Sars institute, UiB, Norway. Chaired by Vidar Beisvåg (Falkberget)	
16.45 – 17.15	Exhibition/Break	
17.15 – 18.15	Paralell Minisymposium Session 1 (1-2)	
	1. Genetics / Structural Biology (Falkberget) Chair: Pål Falnes, Thorsten Hamann.	2. Microbiology / Physiology (Sextus) Chair: Trygve Brautaset, Marte Dragset.
17.15 – 17.30	M01. <i>Decoding transcriptional regulation of cell wall integrity in Arabidopsis.</i> Tereza Ticha.	M05. <i>Omics-based profiling of a microbial community able to metabolize an oxidized polyethylene-like wax.</i> Ronja M. Sandholm.
17.30 – 17.45	M02. <i>A Na⁺/H⁺ exchanger with potential.</i> Valeriia Kalienkova.	M06. <i>Identification of enzymes involved in degradation of a novel exopolysaccharide from Lactiplantibacillus pentosus.</i> Victor Daisuke Kietzmann
17.45 – 18.00	M03. <i>CARNMT1-mediated histidine methylation of C3H zinc fingers – identifying novel substrates and exploring sequence requirements.</i> Jedrzej Malecki.	M07. <i>The role of lytic polysaccharide monooxygenases as virulence factors.</i> Gustav Vaaje-Kolstad.
18.00 – 18.15	M04. <i>Nanoscale 3D DNA tracing reveals the mechanism of self-organization of mitotic chromosomes.</i> Kai Sandvold Beckwith.	M08.
18.15 – 19.30	Exhibition / Poster Session 1 (odd numbered posters are presented)	
19.30 – 20.00	Break	
20.00 –	Dinner	

Friday, 24th of January

07.00 – 09.00	Breakfast	
08.00 – 09.00	Power Breakfast	
09.00 – 09.45	PL3: <i>What about all those other mycobacteria?</i> , Eric Rubin, Harvard T.H. Chan School of Public Health, US. Chaired by Magnus Steigedal (Falkberget)	
09.45 – 10.30	PL4: <i>Dentist Olaf Aase and Wife Memorial Lecture: Reprogramming HCC tumor microenvironment from bench to bedside.</i> Ping-Chih Ho, Ludwig Institute for Cancer Research, Switzerland. Chaired by Therese Standal (Falkberget)	
10.30 – 11.00	Exhibition/Break	
11.00 – 12.30	Innovation session Chaired by Magnar Bjørås (Falkberget)	
11.00 – 11.35	IS1: <i>Bridging groundbreaking research with research-driven innovation - the value of industrial collaboration.</i> Jan Terje Andersen, University of Oslo and Oslo University Hospital of Oslo, Norway	
11.35 – 12.10	IS2: <i>Development of antibacterial peptides targeting the β-clamp and AMR.</i> Marit Otterlei, APIM Therapeutics, Norway	
12.10 – 12.30	IS3: <i>From corona to salmon diseases – a story of basic research and market needs.</i> Tonje Steigedal, Lybe Scientific, Norway.	
12.30 – 14.00	Lunch	
14.00 – 14.45	PL5: <i>Designing and translating next generation biomaterials for early disease detection and treatment.</i> Dame Molly Stevens, Kavli Institute for Nanoscience Discovery, Univ. of Oxford, UK. Chaired by Berit Strand (Falkberget)	
14.45 – 15.30	PL6: <i>Inflammasomes in health and disease.</i> Eicke Latz, DRFZ Berlin, Germany. Chaired by Trude Flo (Falkberget)	
15.30 – 16.00	Exhibition/Break	
16.00 – 17.45	Paralell Minisymposium Session 2 (3-4)	
	3. Cell Biology / Neuroscience (Falkberget) Chair: Barbara van Loon, Helene Knævelsrud.	4. Cancer (Sextus) Chair: Inger Øynebråten, Tereza Ticha.
16.00 – 16.15	M09. <i>Rab11-FIP2 controls NLRP3 inflammasome activation through Rab11b.</i> Harald Husebye.	M17. <i>Toll-like receptor agonists and interferons synergize to render human macrophages cytotoxic to cancer cells.</i> Inger Øynebråten.
16.15 – 16.30	M10. <i>Function of DNA glycosylase coordination in neurodevelopment.</i> Barbara Van Loon.	M18. <i>A multi-omic approach to genetic variants in breast cancer: Insights from the Norwegian Breast Cancer Study.</i>

Welcome

to the 60th NBS Contact Meeting

January 23-26, 2025

		Ina Skaara Brorson.
16.30 – 16.45	M11. Exploring autophagy termination in <i>Drosophila</i>. Helene Knævelsrud.	M19. Blocking S100A9-signaling is detrimental to the initiation of anti-tumor immunity. Elisabeth Müller.
16.45 – 17.00	M12. Unravelling the role of nuclear membrane complex ESCRT-III in DNA damage after ionizing radiation. Marie-Catherine Drigeard Desgarnier.	M20. Spatial metabolic profiling of bone marrow niches in multiple myeloma patients using imaging mass cytometry. Ingrid Aass Roseth.
17.00 – 17.15	M13. Morphological profiling of mammalian macrophages. Torkild Visnes.	M21. Achieving Spatial Transcriptomic Data from Colonic Mucosal Compartments using FFPE Tissue and Laser Capture Microdissection. Lusie Frostvoll Kuraas.
17.15 – 17.30	M14. The roles of the choroid plexus: from cerebrospinal fluid secretion to regulation of brain physiology and animal behavior. Inyoung Jeong.	M22. CDK12/CDK13 inhibition disrupt transcriptional elongation and replication fork progression critical for glioblastoma survival. Deo Prakash Pandey.
17.30 – 17.45	M15. The evolutionary origins of vesicle fusion in synapses - insights from our closest relatives. Aishwarya Ravi.	M23. Smashing the Limits of Single Cell Transcriptomics - Introducing Evercode. Anne Helness. Parse Biosciences.
17.45 – 18.00	M16. Tankyrase inhibition demonstrates anti-fibrotic effects in vitro, ex vivo, and in vivo in preclinical pulmonary fibrosis models. Shoshy Brinch.	M24.
18.00 – 19.15	Exhibition / Poster Session 2 (even numbered posters are presented)	
19.00 – 20.00	Break	
20.00 –	Dinner	

Saturday, 25th of January

07.00 – 09.00	Breakfast	
08.00 – 09.00	Power Breakfast	
09.00 – 12.00	Outdoor Activities	
12.00 – 13.30	Lunch	
13.30 – 14.15	PL7: <i>The FEBS National Lecture: Shedding light on ciliary signaling and function.</i> Dagmar Wachten, Univ. of Bonn, Germany. Chaired by Nathalie Jurisch-Yaksi (Falkberget)	
14.15 – 15.00	PL8: <i>The Role of Astroglia-Neuron Interactions in Network Hyperexcitability and Seizures.</i> Emre Yaksi, Kavli Institute for Systems Neuroscience, NTNU, Norway. Chaired by Magnar Bjørås (Falkberget)	
15.00 – 15.30	Exhibition/Break	
15.30 – 17.30	Paralell Minisymposium Session 3 (5-6)	
	5. Biotechnology /Technology Development (Christianus) Chair: Dirk Linke, Tage Thorstensen.	6. Immunity / Stress Biology (Sextus) Chair: Shirin Kappelhoff, Alexandre Corthay.
15.30 – 15.45	M25. <i>Miniaturization of T cell cultivation and utilization for process development.</i> Hanne Haslene-Hox.	M33. <i>Exploring NINJ1 in Mtb-induced cell death using genetically modified induced pluripotent stem cell (iPSC)-derived macrophages.</i> Mathilde Hansen.
15.45 – 16.00	M26. <i>Cell Encapsulation in Sulfated Alginate Beads for Therapeutic Applications in Type 1 Diabetes and Acute Liver Failure.</i> Joachim S. Kjesbu.	M34. <i>Dissecting the regulation, structural dynamics, and physiological role of human Ninj1 activity during Mtb-induced cell death on a molecular scale.</i> Shirin Kappelhoff.
16.00 – 16.15	M27. <i>Functional Analysis of LPA2 and LPA3 Reveals Their Essential Role in Photosynthetic performance in Diatoms.</i> Marthe Hafskjold.	M35. <i>Understanding the association between viral etiology, immune dysregulations, clinical and environmental factors in development of chronic lung disease in children in Nepal: Children's Lung Study in Dhulikhel, Nepal.</i> Nishan Katuwal.
16.15 – 16.30	M28. <i>Can CRISPR-Cas9 mediated knockout of susceptibility genes in lettuce reduce the need for chemical pesticides against white mold in Norway?</i> Tage Thorstensen.	M36. <i>Investigating the effects of JAK-inhibitors on inflammatory responses in intestinal epithelial cells using IBD patient-derived colonoids.</i> Arun Sridhar.

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16.30 – 16.45	M29. A trimeric coiled-coil motif binds bacterial lipopolysaccharides with picomolar affinity - and can be used in LPS detection and removal applications. Dirk Linke.	M37. Decoding the intracellular complement system in human macrophages. Stine Kristensen.
16.45 – 17.00	M30. RGD-alginate microbeads as scaffolds for structuring human pulmonary fibroblasts. Margrethe Cecilie Stahl.	M38. STING-ing CD4+ T cells to Death: The Role of the Innate Immune Receptor STING in Human CD4+ T. Chan Ha You.
17.00 – 17.15	M31. Preparation of defined gellan oligosaccharides by a combined chemical and enzymatic depolymerization. Pascal Mrozek.	M39. Targeting Glutamate Transporters: A Translational Approach to Seizure Therapeutics. Ahmed Jamali.
17.15 – 17.30	M32. Enzymatic production of long-chain aliphatic diacids as monomers for future plastics. Esteban López-Tavera.	M40. Exploring PCNAs regulatory role in stress. Jana Scheffold.
17.30 – 18.30	NBS General Assembly (Christianus)	
18.30 – 19.30	Break	
19.30 – 20.00	Reception (the Pit/"Gropa")	
20.00 –	Banquet (Falkberget)	