

Minisessions

Date	Margarinfabrikken 1		Margarinfabrikken 2		Prostneset
21/1	MS01: Structural Bio I Chair: Inger Lin U. Ræder		MS02: Cell Biol I Chair: Tore Skotland		MS03: Biotech I/ Genetics Chair: Ole K. Greiner-Tollersrud
Time	Speaker	Time	Speaker	Time	Speaker
16:15	Christina Øie	16:15	Kirsten Sandvig	16:15	Ole K. Greiner-Tollersrud
16:30	Øyvind Halskau	16:30	Anja-Rose Strohmaier	16:30	Concetta De Santi
16:45	Ulli Rothweiler	16:45	Tore Skotland	16:45	Marianne Slang Jensen
17:00	Helen V. Thorbjørnsrud	17:00	Lorena Arranz	17:00	Marko Sankala
17:15	Susann Skagseth		Lorena Arranz	17:15	Valentyn Oksenych

Date	Margarinfabrikken 1		Margarinfabrikken 2		Prostneset
22/1	MS04: Structural Bio II Chair: Marcin Pierechod		MS05: Cell Biol II Chair: Stian Olsen		MS06: Comput Bio I Chair: Finn Drabløs
Time	Speaker	Time	Speaker	Time	Speaker
11:15	Ruth Brenk	11:15	Philippe Pierre	11:15	Mathias Bockwoldt
11:30	Bjarte Lund		Philippe Pierre	11:30	Osman Gani
11:45	Hans Petter Hersleth	11:45	Peter McCourt	11:45	Finn Drabløs
12:00	Marie Lofstad	12:00	Owen Hughes	12:00	Christine Stansberg
12:15	Marcin Pierechod		-	12:15	Kjetil Klepper

Date	Margarinfabrikken 1		Margarinfabrikken 2		Prostneset
22/1	MS07: Proteomics Chair: Gustav Vaaje-Kolstad		MS08: Mol Med Chair: Bjørn Altermark		MS09: Cell Biol III Chair: Peik Haugen
Time	Speaker	Time	Speaker	Time	Speaker
15:45	Ole K. Greiner-Tollersrud	15:45	Tony Christopheit	15:45	Kine Marita K. Sand
16:00	Jedrzey Malecki	16:00	Jimita Toraskar	16:00	Jakob Mejlvang
16:15	Adrian Naas	16:15	Ulrike Neckmann	16:15	Anna Eriksson
16:30	Gustav Vaaje-Kolstad	16:30	Hanna Noordzij	16:30	Hallvard Olsvik

Date	Margarinfabrikken 1		Margarinfabrikken 2		Prostneset
23/1	MS10: Biotech II Chair: Adele Williamson		MS11: Cell Biol IV Chair: Espen Åberg		MS12: Comput Bio II Chair: Nils-Peder Willassen
Time	Speaker	Time	Speaker	Time	Speaker
13:45	Klara Stensvåg	13:45	Bård Smedsrød	13:45	Nils-Peder Willassen
14:00	Jennifer Loose	14:00	Helene Knævelsrud	14:00	Trygve Brautaset
14:15	Adele Williamson	14:15	Dimitar Iliev	14:15	Edvard Pedersen
14:30	Morten Sørлие		Dimitar Iliev	14:30	Boris Simovski

Orals at a glance

Plenary Lectures

Plenary Lecture 1 – Harald Stenmark

Thursday 14:00 – 14:45

Chair – Terje Johansen

Plenary Lecture 2 – Philippe Pierre

Thursday 14:45 – 15:30

Chair – Inigo Martinez-Zubiaurre

Plenary Lecture 3 – Ilme Schlichting

Friday 09:00 – 09:45

Chair – Hanna-Kirsti Schrøder Leiros

Plenary Lecture 4 – Helena Danielson

Friday 09:45 – 10:30

Chair – Tony Christopeit

Plenary Lecture 5 – Terje Espevik

Saturday 09:00 – 09:45

Chair – Ole Kristian Greiner-Tollersrud

Plenary Lecture 6 – Tim Urich

Saturday 09:45 – 10:30

Chair – Kirsten Krause

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Friday 14:00 – 15:00

Chair – Hanna-Kirsti S. Leiros

Biotechnology 1 – Øystein Rekdal

Saturday 11:00 – 11:30

Chair – Ronny Helland

Biotechnology 2 – Olav Lanes

Saturday 11:30 – 12:00

Chair – Ronny Helland

Chair – Inger Lin U. Ræder

MS01.1 Multimodal super-resolution optical microscopy visualizes the close connection between membrane and the cytoskeleton in liver sinusoidal endothelial cell fenestrations

Viola Mönkemöller, Cristina Øie, Wolfgang Hübner, Thomas Huser, Peter McCourt

MS01.2 Relevance of the protein, fatty acid and lipid component in early stages of lipoteine-induced cell death

Øyvind Halskau

MS01.3 The structure of a dual-specificity tyrosine phosphorylation-regulated kinase 1A-PKC412 complex reveals disulfide-bridge formation with the anomalous catalytic loop HRD(HCD) cysteine

Marina Alexeeva, Espen Åberg, Richard A. Engh, Ulli Rothweiler

MS01.4 Crystal structure of a highly active chorismate mutase variant

Helen V. Thorbjørnsrud, Jurate Kamarauskaite, Daniel Burschowsky, Peter Kast, Ute Krengel

MS01.5 The impact of residues 119 and 228 in the Tripoli metallo-β-lactamase TMB-1 involved in resistance to β-lactam antibiotics

Susann Skagseth, Ørjan Samuelsen, Hanna-Kirsti S. Leiros

Chair – Tore Skotland

MS02.1 Lipid-induced modulation of endocytosis and intracellular transport of protein toxins

Ieva Ailte Hjelseth, Anne Berit Dyve Lingelem, Simona Kavaliauskiene, Audun Kvalvaag, Jonas Bergan, Tore Skotland, Kirsten Sandvig

MS02.2 **ibidi – cells in focus: In vivo like, physiological conditions for cell based assays during live cell imaging**

Tina Freisinger, Anja-Rose Strohmaier



MS02.3 **Handshaking between PS 18:0/18:1 and long chain sphingolipids in cellular membranes cells**

Tore Skotland

MS02.4 **A Role for the Stem Cell Niche in Myeloid Leukaemias?**

Lorena Arranz

Minisession 3 – Biotechnology and Biocatalysis I/Genetics and Epigenetics Thursday 16:15 – 17:30

Chair – Ole Kristian Greiner Tollersrud

MS03.1 **Critically positioned N-glycans prevent efficient mannose-6-phosphorylation of lysosomal proteins, giving new clues on how to bioengineer therapeutic proteins with increased uptake via the mannose-6-phosphate receptor**

Pirkko Heikinheimo, Gaute Hansen, Hilde M.F. Riise-Stensland, Christophe Flahaut, Jan Ole Olsen, Gry Evjen, Jean-Claude Michalski, Ole K. Greiner-Tollersrud

MS03.2 **Microbial communities and moving bed technology as tools for conversion of marine biomass**

Concetta De Santi, Ragnhild D. Whitaker, Elin Moe, Fredrik Almqvist, Nils-Peder Willassen, Peik Haugen

MS03.3 **Discovery and characterization of thermostable cellulases for degrading lignocellulosic biomass**

Marianne Slang Jensen, Lasse Fredriksen, Alasdair MacKenzie, Phil Pope, Piotr Chylenski, Aniko Varnai, Gustav Vaaje-Kolstad, Vincent G.H. Eijsink

MS03.4 **Advanced CRISPR Genome Editing: Specific Sequence Changes and Whole genome screens**

Marko Sankala

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MS03.5 **Inactivation of Ku70 or p53 rescues perinatal lethality of XLF/DNA-PKcs double deficient mice**

Valentyn Oksenysh, Magnar Bjoras, Frederick Alt

Minisession 4 – Structural Biology and Biophysics II

Friday 11:15 – 12:30

Chair - Marcin Pierechod

MS04.1 **Structure-based design of riboswitch ligands**

Thomas Wehler, Ruth Brenk

MS04.2 **Structure-guided drug design for the antibiotic resistance enzyme OXA-48**

Bjarte Aarmo Lund, Sundus Ahkter, Yngve Guttormsen, Tony Christopeit, Annette Bayer, Hanna-Kirsti S. Leiros

MS04.3 **Probing enzyme activation networks - structural and functional studies of flavoproteins in *Bacillus cereus***

Ingvild Gudim, Marie Lofstad, Kristoffer Andersson, Marta Hammerstad, Hans-Petter Hersleth

MS04.4 **A comparison of the dimanganese active sites of class Ib ribonucleotide reductase and manganese catalase by CD and MCD spectroscopy**

Marie Lofstad, Lars H. Böttger, Åsmund K. Røhr, Hans-Petter Hersleth, Marta Hammerstad, Edward I. Solomon, Kristoffer Andersson

MS04.5 **The structure of *Salinibacter ruber* Single-Strand Binding protein reveals a novel, octameric architecture of bacterial SSB proteins**

Marcin Pierechod, Ulli Rothweiler, Taiana de Oliveira

Minisession 5 – Cell biology, Neurology and Signaling II

Friday 11:15 – 12:30

Chair – Stian Olsen

MS05.1 **Protein synthesis arrest and GADD34 are part of the anti-viral cellular tool box**

Philippe Pierre

MS05.2 Identification of adult hemogenic sinusoidal endothelial cells in adult bone marrow

Peter A. McCourt, Ana Oteiza, Melonie Storan, Brenda Williams, Chad Heazlewood, Karen K. Sørensen, S Li, Christian Nefzger, Yoshiaki Kubota, Jose Polo, Susie Nilsson

MS05.3 Amnis Imaging Flow Cytometry: high speed, high content image analysis of cells in flow

Owen Hughes



Minisession 6 – Computational biology I

Friday 11:15 – 12:30

Chair – Finn Drabløs

MS06.1 Phylogenetic analysis of NAD biosynthesis and consumption

Mathias Bockwoldt, Ines Heiland

MS06.2 Open source data and utilities for protein target prediction of small molecules

Osman Gani, Dilip Narayanan, Richard A. Engh

MS06.3 Identification and analysis of genes in immediate-early response processes

Shahram Bahrami, Finn Drabløs

MS06.4 NORBIS – the national research school in bioinformatics, biostatistics and systems biology

Christine Stansberg



MS06.5 MotifLab – a regulatory sequence analysis workbench

Kjetil Klepper, Finn Drabløs

Chair - Gustav Vaaje-Kolstad

MS07.1 Development of a new validation method for identification of lysosomal proteins, and its application in therapy

Ole K. Greiner-Tollersrud

MS07.2 METTL20 is a Novel Lysine-Specific Methyltransferase that Targets the Beta Subunit of Electron Transfer Flavoprotein (ETF β) and Modulates Its Activity

Jedrzej Małeckj, Angela Y.Y. Ho, Anders Moen, Helge-André Dahl, Pål Ø. Falnes

MS07.3 Discovery of a potentially novel cellulolytic mechanism linked to the Bacteroidetes Por secretion system

Adrian E. Naas, Vincent G.H. Eijsink, Phil B. Pope

MS07.4 Chitin degradation by *Cellvibrio japonicus*

Tina Rise Tuveng, Zarah Forsberg, Cassandra E. Nelson, Bjørn Dalhus, Sophanit Mekasha, Jennifer S.M. Loose, Åsmund K. Røhr, Magnus Øverlie Arntzen, Jeffrey G. Gardner, Vincent G.H. Eijsink, Gustav Vaaje-Kolstad

Chair – Bjørn Altermark

MS08.1 Discovery of a Novel Covalent Inhibitor of the Metallo- β -lactamase NDM-1

Tony Christopheit, Trine J.O. Carlsen, Anastasia Albert, Susann Skagseth, Hanna-Kirsti S. Leiros

MS08.2 The role of Nephronectin in breast cancer progression and metastasis

Jimita Toraskar, Neeruja Balenthiran, Tonje S. Steigedal

MS08.3 Significance of NFE2L2 Target Genes for Survival of Breast Cancer Patients: High Expression of NQO1 is Associated with Poor Clinical Outcome

Ulrike Neckmann, Rosalie Zwiggelaar, Tonje S. Steigedal, Geir Bjørkøy

MS08.4 How does the neonatal Fc receptor (FcRn) handle the transport of its two ligands, IgG and albumin, in the human placenta?

Hanna Theodora Noordzij, Line Mathiesen, Kine Marita Knudsen Sand, Tom Eirik Mollness, Espen S. Bækkevold, Greg J. Christianson, Derry C. Roopenian, Lisbeth Knudsen, Inger Sandlie, Jan Terje Andersen

Minisession 9 – Cell biology, Neurology and Signaling III

Friday 15:45 – 16:45

Chair – Peik Haugen

MS09.1 The neonatal Fc receptor (FcRn)-mediated recycling of IgG and albumin in endothelial cells

Kine Marita Knudsen Sand, Algirdas Grevys, Frode Skjeldal, Oddmund Bakke, Inger Sandlie, Jan Terje Andersen

MS09.2 Identification of a novel lysosomal degradation pathway acutely activated upon nutrient starvation

Jakob Meilvang, Kenneth Bowitz Larsen, Hallvard Olsvik Lauritz, Hanne Brenne, Steingrim Svenning, Birendra Kumar Shrestha, Jack-Ansgar Bruun, Terkel Hansen, Terje Johansen

MS09.3 CLEC16A is localized in Rab4a+ endosomes in Jurkat cells

Anna Eriksson, Ingvild Leikfoss, Vibeke Sundvold-Gjerstad, Greger Abrahamsen, Ole Landsverk, Hanne Harbo, Anne Spurkland, Tone Berge

MS09.4 FYCO1 Contains a C-terminally Extended, LC3A/B-preferring LC3-interacting Region (LIR) Motif Required for Efficient Maturation of Autophagosomes during Basal Autophagy.

Hallvard Olsvik, Trond Lamark, Kenji Takagi, Kenneth Larsen, Gry Evjen, Aud Øvervatn, Tsunehiro Mizushima, Terje Johansen

Minisession 10 – Biotechnology and Biocatalysis II

Saturday 13:45 – 14:45

Chair – Adele Williamson

MS10.1 Bioactive peptides from marine sources

Runar Gjerp Solstad, Hans-Matti Blencke, Ekaterina Mishchenko, Chun Li, Inger Kristine Rødum, Tor Haug, Klara Stensvåg

MS10.2 Controlled electron supply and site-directed mutagenesis give new insights into the catalytic mechanism of lytic polysaccharide monooxygenases

Jennifer S.M. Loose, Zarah Forsberg, Roland Ludwig, Vincent G.H. Eijsink, Gustav Vaaje-Kolstad

MS10.3 Structural and Bioinformatic Studies of the ‘Lig E’ Group of Bacterial ATP-Dependent DNA Ligases

Adele Williamson, Tim Kahlke, Erik Hjerde, Hanna-Kirsti S. Leiros

MS10.4 Towards a molecular-level theory of carbohydrate processivity in glycoside hydrolases

Morten Sørli

Minisession 11 – Cell biology, Neurology and Signaling IV

Saturday 13:45 – 14:45

Chair – Espen Åberg

MS11.1 Role of specialized hepatic scavenger cells in control of biodistribution of large molecule drugs and nano formulations

Bård Smedsrød, Kjetil Elvevold

MS11.2 Functional understanding of Ral signaling in *Drosophila melanogaster*

Helene Knævelsrud, Marc Therrien

MS11.3 CpG-induced exosome secretion from Atlantic salmon leukocytes

Dimitar Iliev, Guro Strandskog, Jorunn Jørgensen, Randi Olsen, Mehrdad Sobhkhez, Jack-Ansgar Bruun

Chair – Nils-Peder Willassen

MS12.1 ELIXIR.NO - The national technology platform for bioinformatics

Nils-Peder Willassen, Lars Ailo Bongo, Finn Drabløs, Eivind Hovig,
Dag Inge Våge, Inge Jonassen



MS12.2 Norwegian Center for Digital Life

Trygve Brautaset

MS12.3 Sequence assembly in the cloud, on the grid and in the basement

Edvard Pedersen, Espen Mikal Robertsen, Inge Alexander Raknes, Nils-Peder
Willassen, Lars Ailo Bongo

MS12.4 GSuite tools: Efficient management and analysis of genomic dataset collections

Boris Simovski, Daniel Vodák, Sveinung Gundersen, Abdulrahman Azab, Diana
Domanska, Ivar Grytten, Lars Holden, Antonio Mora, Knut Rand, Eivind Hovig, Geir K.
Sandve

Posters at a glance

P1	Static and dynamic interactions between the glycine-rich loop of protein kinases and ATP site inhibitors <u>Kazi Asraful Alam</u> , Ulli Rothweiler, Richard A. Engh
P2	Production of sialic acids and derivatives by enzyme catalysis <u>Tor Olav Berg</u> , Bjørn Altermark, Ronny Helland, Ingar Leiros, Inger Lin U. Ræder
P3	Towards an optimal Tyrosine Hydroxylase <u>Marte Innsetset Flydal</u> , Maite Bezem, Anne Baumann, Lars Skjærven, Petri Kursula, Aurora Martinez
P4	Structural Insight into the Function of Ribonucleotide Reductase <u>Marta Hammerstad</u> , Hans-Petter Hersleth, Ane B. Tomter, Åsmund K. Røhr, Kristoffer Andersson
P5	A structural and functional investigation of Ribonucleotide reductase Class III in <i>Bacillus cereus</i> <u>Hedda Johannesen</u> , Hans-Petter Hersleth, Marta Hammerstad, Kristoffer Andersson
P6	Nucleotide binding and hydrolysis of heat shock protein HSP70 as probed by biophysical and crystallographic studies of the nucleotide binding domain. <u>Dilip Narayanan</u> , Tony Christopeit, Alexander Pflug, Richard A. Engh
P7	Residue profiling of antibiotic resistant OXA-beta-lactamases through mutagenesis, enzyme kinetics and 3D structures <u>Birgit Berg Nesheim</u> , Trine Josefine O. Carlsen, Bjarte Aarmo Lund, Hanna-Kirsti S. Leiros
P8	Binding of the lytic polysaccharide monoxygenase CBP21 to chitin – a computational approach <u>Ingvild Isaksen</u> , Åsmund Kjendseth Røhr
P9	Regulatory interactions between the J- and UBA domains of NBR1 enable a switch between membrane binding and protein aggregation <u>Steingrim Svenning</u> , Hallvard L. Olsvik, Andreas Brech, Johan Isaksson, Elenaz Naderkhani, Tom Egil Hansen, Sebastian W. Schultz, Trond Lamark, Terje Johansen
P10	Crystallization of <i>Arabidopsis thaliana</i> SnRK2-interacting Calcium Sensor, the kinase inhibitor containing EF-hand motifs <u>Marcin Pierechod</u> , Krzysztof Tarnowski, Arkadiusz Ciesielski, Maria Klimecka, Johan Isaksson, Jarosław Poznański, Grażyna Dobrowolska, Richard A. Engh
P11	Structure-function study of LsbB family leaderless bacteriocins. <u>Kirill V. Ovchinnikov</u> , Per E. Kristiansen, Ingolf F. Nes, Dzung B. Diep
P12	STED microscopy of ASC speck inflammasome formation in mouse macrophages <u>Kjartan Wøllo Egeberg</u> , Bjørnar Sporsheim, Terje Espevik
P13	Moving Tolls - novel interactors of TLR9 trafficking <u>Lene Grøvdal</u> , Kay Oliver Schink, Karin Pelka, Harald Husebye, Eicke Latz, Harald Stenmark, Terje Espevik

P14	Delivering Biotherapeutics: Challenge of unwanted liver uptake <u>Kjetil Elvevold</u> , Bård Smedsrød
P15	Secretome of the liver sinusoidal endothelial cell <u>Jaione Simón-Santamaría</u> , Ruomei Li, Sabin Bhandari, Jack-Ansgar Bruun, Bård Smedsrød, Inigo Martinez, Karen Sørensen
P16	Gastrin induces autophagy in gastric adenocarcinoma cells directly and via an autocrine loop <u>Barbara Niederdorfer</u> , Shalini Rao, Liv Thommesen
P17	Regulation of ErbB2 receptor tyrosine kinases by ERM proteins Nagham Asp, Audun S. Kvalvaag, Kirsten Sandvig, <u>Sacha Pust</u>
P18	The multiple sclerosis susceptibility genes <i>TAGAP</i> and <i>IL2RA</i> are regulated by vitamin D in CD4+ T cells <u>Tone Berge</u> , Ina Brorson, Ingvild Leikfoss, Steffan Bos, Christian Page, Marte Gustavsen, Anja Bjølgerud, Trygve Holmøy, Elisabeth Celius, Jan Damoiseaux, Joost Smolders, Hanne Harbo, Anne Spurkland
P19	<i>In vivo</i> proteolytic activity assayed by subcellular localization switching <u>Clemens Furnes</u> , Monica Mannelqvist, Shirley Vanessa Sarria, Rein Aasland, Anne-Marie Szilvay
P20	Identification of a novel lysosomal degradation pathway acutely activated upon nutrient starvation <u>Jakob Mejlvang</u> , Kenneth Bowitz Larsen, Hallvard Olsvik Lauritz, Hanne Brenne, Steingrim Svenning, Birendra Kumar Shrestha, Jack-Ansgar Bruun, Terkel Hansen, Terje Johansen
P21	Regulation of macropinocytosis by PI3P-binding proteins <u>Kay Oliver Schink</u> , Kia Wee Tan, Marte Sneeggen, Domenica Martorana, Coen Campsteijn, Camilla Raiborg, Harald Stenmark
P22	Catching the tubule – Analyzing the role of the PtdIns3P-binding protein WDFY2 in retrograde endocytic transport <u>Marte Sneeggen</u> , Kay Oliver Schink, Coen Campsteijn, Harald Stenmark
P23	Bmp4 and Grem1 in breast cancer tumor-stroma communication <u>Camilla Wolowczyk</u> , <u>Christiana Appiah</u> , Jennifer Mildenberger, Ulrike Neckmann, Geir Bjørkøy, Toril Holien
P24	The role of the extracellular matrix protein Nephronectin in breast cancer progression and metastasis <u>Neeruja Balenthiran</u> , Jimita Toraskar, Tonje S. Steigedal
P25	Hunting for proteins binding to the RUN and GOLD domains of FYCO1 <u>Betty Martine Furulund</u> , Terje Johansen, Hallvard Olsvik
P26	The long non-coding RNA NEAT1 is upregulated in epithelial-mesenchymal transition and is abnormally expressed in breast cancer Erik Knutsen, <u>S. Mohammad Lellahi</u> , Annica Hedberg, Tonje Fiskaa, Kristin Andersen, Gunhild Mælandsmo, James Lorens, Ole Morten Seternes, Steinar Johansen, Elin Mortensen, Maria Perander

P27	n-3 PUFAs modulate SQSTM1 and dampen pro-inflammatory CXCL10 in human macrophages <u>Jennifer Mildenerger</u> , Ida Johansson, Eli Kjøbli, Trude Helen Flo, Jan Kristian Damås, Geir Bjørkøy
P28	DNA polymerases from the Arctic <u>Netsanet G. Assefa</u> , Yvonne Piotrowski, Ronny Helland, Kirsti M. Johannessen, Nils P. Willassen, Atle N. Larsen
P29	Cool catalysts for biomass conversion <u>Bjørn Altermark</u> , Inger Lin U. Ræder, Marie J. Halsør, Seila Pandur, Ulli Rothweiler, Arne O. Smalås
P30	Enzyme Innovations from the Marine Arctic <u>Yvonne Piotrowski</u> , Netsanet G. Assefa, Kirsti M. Johannessen, Ronny Helland, Nils P. Willassen, Arne O. Smalås, Trond Ø. Jørgensen, Atle N. Larsen
P31	Maximizing the value of marine by-products <u>Ole Christian Hagestad</u> , Ragnhild Withaker, Jan Arne Arnesen, Jaran Rauø, Klara Stensvåg
P32	Bioactive peptides from marine sources Runar Gjerp Solstad, Hans-Matti Blencke, Ekaterina Mishchenko, Chun Li, Inger Kristine Rødum, Tor Haug, <u>Klara Stensvåg</u>
P33	A novel expression system specialized for psychrophilic enzymes <u>Miriam Grgic</u> , Jenny Johansson Söderberg, Peik Haugen
P34	Quorum sensing in <i>Aliivibrio wodanis</i> 06/09/139: N-acyl homoserine lactone synthesis and transcription profiling <u>Amudha Maharajan</u> , Hilde Hansen, Erik Hjerde, Nils-Peder Willassen
P35	Characterization of an evolutionarily conserved lysine-specific eEF2 methyltransferase <u>Erna Davydova</u> , Angela Y.Y. Ho, Jędrzej Malecki, Anders Moen, Jorrit Enserink, Magnus Jakobsson, Christoph Loenarz, Pål Ø. Falnes
P36	Regulation of Promoter Activity of the Human Oncovirus Merkel Cell Polyomavirus Variants MCC350 and 16b by Large T-antigen <u>Ibrahim Abdulsalam</u> , Kashif Rasheed, Baldur Sveinbjørnsson, Ugo Moens
P37	MotifLab – a regulatory sequence analysis workbench <u>Kjetil Klepper</u> , Finn Drabløs
P38	Comprehensive detection and classification of circular RNAs in starlet sea anemone <u>Ksenia Lavrichenko</u> , David Fredman
P39	META-pipe – Pipeline annotation, analysis and visualization of metagenomic data <u>Espen Mikal Robertsen</u> , Edvard Pedersen, Martin Ernstsén, Tim Kalhke, Lars Ailo Bongo, Nils-Peder Willassen
P40	Practical Applications of Informatics Tools to Identify Drug Targets for Novel Compounds from Bio- and Chemoprospecting <u>Balmukund S. Thakkar</u> , Osman Gani, Richard A. Engh

P41	<p>Next generation deep sequencing of rat liver sinusoidal endothelial cell and Kupffer cell transcriptomes suggests functional complementarity <u>Sabin Bhandari</u>, Ruomei Li, Jaione Simón-Santamaría, Peter McCourt, Steinar Johansen, Bård Smedsrød, Inigo Martinez, Karen Sørensen</p>
P42	<p>The structure of a dual-specificity tyrosine phosphorylation-regulated kinase 1A-PKC412 complex reveals disulfide-bridge formation with the anomalous catalytic loop HRD (HCD) cysteine Marina Alexeeva, Espen Åberg, Richard A. Engh, <u>Ulli Rothweiler</u></p>
P43	<p>The 5-hydroxymethylcytosine Level Increases During Rat Sertoli Cell Differentiation <u>Miriam Landfors</u>, Cathrine Broberg Vågbø, Håvard Aanes, Magnus Aronsen, Markus Fusser, John-Arne Dahl, Louis C Doré, Chuan He, Ivar Sjaastad, Peter Fedorcsak, Arne Klungland</p>
P44	<p>Confocal microscopy studies of human stem cell growth on dental implants <u>Catherine Heyward</u>, Lisa Printzell, Jørgen Hugo, Janne Reseland</p>