

# PROGRAM

Thursday April 24<sup>th</sup>

|                                                       |                                                                                              |                                        |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------|
| 09:15                                                 | Welcome and general introduction                                                             | Andreas Matussek                       |
| Topic: AI in research   Chair: Victor Greiff          |                                                                                              |                                        |
| 09:25-10:20                                           | Regulatory genomics and cell interactions of T cells                                         | Yuri Pritykin,<br>Princeton University |
| 10:20-10:30                                           | 10 min break                                                                                 |                                        |
| 10:30-11:45                                           | MSI-VISUAL: high fidelity visualization, mapping and exploration of mass spectrometry images | Jens Pahnke                            |
|                                                       | How to use algorithms to interpret hormone analyzes in a routine setting                     | Per Medbøe Thorsby                     |
|                                                       | The PANCAIM project: AI for pancreatic cancer                                                | Caroline Verbeke                       |
|                                                       | Biologically informed AI in Medicine: Gaining Insights into Complex Biological Systems       | Hilde L. Nilsen                        |
|                                                       | Knowledge-driven machine learning for personalized cancer medicine                           | Alvaro Kuhn Luque                      |
| 11:45-12:00                                           | 15 min break                                                                                 |                                        |
| Topic: Innovation   Chair: Guttorm Haraldsen          |                                                                                              |                                        |
| 12:00-13:00                                           | UiO Growth House                                                                             | Hilde Nebb                             |
|                                                       | OUS Idépoliklinikken                                                                         | Christian Skattum                      |
|                                                       | Invent2                                                                                      | Mohammed Amarzguioi                    |
|                                                       | SPARK Norway                                                                                 | Morten Egeberg                         |
| 13:00-14:15                                           | Lunch                                                                                        |                                        |
| 14:15-14:40                                           | Department project presentations                                                             |                                        |
|                                                       | Technologies for studies of localized intracellular signaling                                | Kjetil W. Andressen, FAR               |
|                                                       | Single-cell spatial transcriptomics of colorectal cancer                                     | Frøde Jahnsen, PAT                     |
| Topic: Home hospital   Chair: Katja Elgstøen          |                                                                                              |                                        |
| 14:40-16:00                                           | Group work (45 min) + standup group work results (30 min)                                    |                                        |
| 16:00-16:15                                           | 15 min cake break                                                                            |                                        |
| Topic: KLM Career prices   Chair: Lars Eide/Emma Lång |                                                                                              |                                        |
| 16:15-17:00                                           | Petter Holland                                                                               |                                        |
|                                                       | Rasmus Iversen                                                                               |                                        |
|                                                       | Julie Elisabeth Heggelund                                                                    |                                        |
| 17:00-18:30                                           | Open program                                                                                 |                                        |
| 17:15-18:00                                           | Outdoor group workout                                                                        | Katja E. / Andreas M.                  |
| 18:30-19:00                                           | Surprise event                                                                               |                                        |
| 19:00-22:00                                           | Dinner                                                                                       |                                        |

# PROGRAM

Friday April 25<sup>th</sup>

|                                                       |                                                                        |                          |
|-------------------------------------------------------|------------------------------------------------------------------------|--------------------------|
| 08:00-08:40<br>→ 09:30                                | Indoor Yoga Flow<br>Free time                                          | Bai                      |
| Topic: Core facilities in 10 years   Chair: Lars Eide |                                                                        |                          |
| 09:30-10:45                                           | Proteomics 2034: is the era for mass spectrometry over?                | Tuula Nyman              |
|                                                       | Microscopy 2034: Holograms, Quantum Dots, and AI                       | Stig Ove Bøe             |
|                                                       | Flow cytometry 2034: will we still analyze cells or just sort them?    | Fridtjof Lund-Johansen   |
|                                                       | Structural biology – from 3D to 4D                                     | Bjørn Dalhus             |
|                                                       | Metabolomics and lipidomics – seeing the complete picture              | Katja Elgstøen           |
| 10:45-11:00                                           | 15 min break                                                           |                          |
| 11:00-12:00                                           | Department project presentations                                       |                          |
|                                                       | tba                                                                    | Gunnveig Grødeland, IMM  |
|                                                       | From single cell analyses to spatially resolved cellular neighborhoods | Chloe Steen, AMG         |
|                                                       | Cured or not cured – that's the question; The Oslo Patient             | Mari Kaarbø, MIK         |
|                                                       | Use of the alcohol biomarker PEth in epidemiological studies           | Stig Tore Bogstrand, ARF |
|                                                       | In house production of streptavidin coated microplates                 | Nils Bolstad, MBK        |
| 12:00-12:10                                           | 10 min break                                                           |                          |
| 12:10-12:40                                           | Cell therapy activity in KLM                                           |                          |
|                                                       | Cell therapy in modern medicine                                        | Eli Taraldsrud           |
|                                                       | Norwegian iPS Cell Biobank for clinical application                    | Joel Glover              |
| 12:40-12:50                                           | Closing remarks                                                        |                          |
| 13:00 →                                               | Lunch                                                                  |                          |

Organizing committee:  
Lars Eide, Guttorm Haraldsen, Maria Foss, Victor Greiff, Katja Elgstøen, Katja Dilling