**BCO Groups 2020-2023 Symposium**
**Monday 10 February 2020**
**in lecture hall K101, Aapistie 7**

**PROGRAMME**

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| 9.30-10.00 | **Opening words**<br>**Johannes Kettunen,** Scientific director, Biocenter Oulu<br>**Lauri Eklund,** Core Services director, Biocenter Oulu |
| 10.0-10.15 | **Risto Kerkelä and Juhani Junttila**: Genetic causes and molecular mechanisms of myocardial fibrosis (FMED) |
| 10.15-10.30 | **Lauri Eklund and Vesa Kiviniemi**: Neuro-ocular clearance pathways - Mechanisms and clinical applications (FBMM and FMED) |
| 10.30-10.45 | **Simo Hosio and Denzil Ferreira**: ICON: Interventions and Contextual Understanding for Low Back Pain Research (ITEE) (Faculty of information technology and electrical engineering) |
| 10.45-11.00 | **Thomas Kietzmann**: Cellular Compartments and New Molecules Interacting in Hypoxia-Signaling and Associated Diseases (FBMM) |
| ***11.00-12.15*** | ***Lunch break*** |
| 12.15-12.30 | **Jukka Hakkola and Janne Hukkanen**: Environmental xenosensor PXR as a disease mechanism and therapeutic target in metabolic diseases (FMED) |
| 12.30-12.45 | **Peppi Karppinen**: Cellular oxygen sensors and other 2-oxoglutarate-dependent enzymes as novel treatment targets for diseases (FBMM) |
| 12.45-13.00 | **Mika Ala-Korpela and Johannes Kettunen**: Extensive molecular profiling of systemic metabolism to understand and prevent cardiometabolic diseases (FMED) |
| 13.00-13.15 | **Jouni J. K. Jaakkola and Maritta S. Jaakkola**: Molecular and environmental basis for asthma in a changing climate (FMED) |
| 13.15-13.30 | **Petri Kursula**: Structural biology of the formation and disease of the multilayered myelin membrane (FBMM) |
| 13.30-13.45 | **Lari Lehtiö**: Structure, Function and Inhibition of Human ADP-ribosyltransferases (FBMM) |
| ***13.45-14.15*** | ***Coffee*** |
| 14.15-14.30 | **Johanna Myllyharju**: Key enzyme regulators of the hypoxia response and collagen synthesis as therapeutic targets (FBMM) |
| 14.30-14.45 | **Katri Pylkäs and Robert Winqvist**: Inherited breast cancer susceptibility: novel factors, cellular mechanisms and disease modelling (FMED) |
| 14.45-15.00 | **Justus Reunanen**: Secreted vesicles of the human intestinal microbiota in health and disease (FMED) |
| 15.00-15.15 | **Gonghong Wei and Aki Manninen**: Transcription factor cistromes decode prostate cancer risk loci (FBMM) |
| 15.15-15.45 | Closing words and general discussion |