

# IMCB and IG Annual Conference 2018

## POSTER PRESENTATIONS

**Tuesday December 11th 2018 (3.00 – 5.00 pm)**

Oliver Aasmets, Markku Laakso, Krista Fischer, Elin Org

**“Statistical considerations for analyzing microbiome data”**

Kadi Ainsaar, Hedvig Tamman, Sergo Kasvandik, Tanel Tenson, Rita Hõrak

**“TonB-PocAB complex is required for maintaining membrane integrity and polar localization of flagella in *Pseudomonas putida*”**

Maris Alver, Marili Palover, Aet Saar, Kristi Läll, Seyedeh Maryam Zekavat, Neeme Tõnisson, Liis Leitsalu, Anu Reigo, Tiit Nikopensius, Tiia Ainla, Mart Kals, Reedik Mägi, Stacy Gabriel, Jaan Eha, Eric S. Lander, Alar Irs, Anthony Philippakis, Toomas Marandi, Pradeep Natarajan, Andres Metspalu, Sekar Kathiresan & Tõnu Esko

**„Recall by genotype and cascade screening for familial hypercholesterolemia in a population-based biobank from Estonia“**

Erki Aun, Age Brauer, Veljo Kisand, Tanel Tenson, Mairo Remm

**“A *k*-mer-based method for the identification of phenotype-associated genomic biomarkers and predicting phenotypes of sequenced bacteria”**

Karin Ernits, Emma Johanna Sova, Tiina Alamäe

**“Describing the endolevanase structure *via* mutational analysis”**

Natalja Garber

**„The role of mitochondrial helicase Irc3 on D- and R-loop unwinding „**

Kati Hensen, Martin Pook, Anu Sikut, Toivo Maimets, Andres Salumets, Ants Kurg

**„Novel serum-free culture conditions for growing primary human granulosa cells“**

Imbi Jaks, Jaanus Harro, Viljar Jaks

**“Behavioural, molecular and genetic links between psychological traits and dermatological diseases”**

Merike Jõesaar, Signe Viggor, Maia Kivisaar

**“Friends or rivals?”**

Heleri Kirsip, Aare Abroi

**“Implementing protein structure information to detect ancient homologous sequences”**

Ivan Kisly, Jaanus Remme, Tiina Tamm

**“The functional importance of eukaryote-specific ribosomal intersubunit bridges eB12 and eB13 in protein synthesis”**

Kristi Krebs, Piry Helkkula, Reedik Mägi, Samuli Ripatti, Lili Milani

**“Genome-wide study of statin usage and related adverse events using national drug prescription registries from Estonia and Finland“**

Kertu Liis Krigul and Elin Org

**“Relationship of the gut microbiome with the health parameters in the Estonian Biobank data”**

Kreete Lüll, Alexander Kurilshikov, Aleksandra Zhernakova, Markku Laakso, Aldons J Lusi, MiBioGen Consortium Initiative and Elin Org

**“Genome-gut microbiota association studies and work in MiBioGen consortium”**

Anne Menert, Tanel Ilmjärv, Triin Korb, Päärn Paiste, Maia Kivisaar

**“Sulfidogenesis for metal removal and recovery from metalliferous oil shale”**

Molinaro L., Montinaro F., Marnetto D., Mondal M., Pagani L.

**“A novel pipeline to perform Ancestry Deconvolution in human populations”**

Fanny-Dhelia Pajuste, Mairo Remm

**“Detecting gene copy number from human genome sequencing data using gene-specific k-mers”**

Liina Pappa, Tiit Nikopensius, Toomas Haller, Andres Metspalu, Tõnu Esko

**“What can we find from the genomes of Estonian people, using ICD-10-CM disease codes and e-Health data?”**

Ajai Kumar Pathak, Anurag Kadian, Alena Kushniarevich, Francesco Montinaro, Mayukh Mondal, Linda Ongaro, Manvendra Singh, Pramod Kumar, Niraj Rai, Jüri Parik, Ene Metspalu, Siiri Roots, Luca Pagani, Toomas Kivisild, Mait Metspalu, Gyaneshwer Chaubey, Richard Villems

**“The genetic legacy of modern Indus Valley individuals from Northwest India”**

Katri Pärna, Davide Marnetto, Ludovica Molinaro, Toomas Haller, Krista Fischer, Reedik Mägi, Luca Pagani

**“Applying partial polugenetic risk scores in admixed Ethiopian and Egyptian populations”**

Kaspar Reier, Aivar Liiv, Lauri Peil, Jaanus Remme

**„Ribosomal protein turnover in *Escherichia coli*'s proteome in stationary growth phase“**

Mario Reiman, Siim Sõber, Maris Laan

**„Temporal dynamics of placental gene expression“**

Lehti Saag, Alena Kushniarevich, Liivi Varul, Aivar Kriiska, Margot Laneman, Valter Lang, Martin Malve, Heiki Valk, Anu Solnik, Tuuli Reisberg, Jüri Parik, Lauri Saag, Ene Metspalu, Siiri Rootsi, Christiana Lyn Scheib, Toomas Kivisild, Richard Villems, Mait Metspalu, Kristiina Tambets

**„Demographic processes in the territory of Estonia from the earliest inhabitants to modern times“**

Timo Tõnis Sikka, Marili Palover, Tiit Nikopensius, Maris Alver, Andres Metspalu, Mart Kals, Neeme Tõnisson, Reedik Mägi, Tõnu Esko

**„Inferring rare variant imputation in biobank setting“**

Sirelin Sillamaa

**„Role of helicase Hmi1 conserved residues on mitochondrial DNA stability“**

Nele Taba, Tõnu Esko, Andres Metspalu, Krista Fischer

**„Summarizing dietary patterns with k-means clustering: how to choose the k?“**

Mihkel Vaher, Mikk Puustusmaa, Märt Möls, Mairo Remm

**„StrainSeeker2: unassembled viral and bacterial sequence identification“**

Pavel Volõnkin, Jaanus Remme and Tiina Tamm

**“The role of intersubunit bridges specific to the eukaryotic ribosomal in cap-independent translation initiation”**

Burak Yelmen, Mayukh Mondal, Davide Marnetto, Ajai K Pathak, Francesco Montinaro, Irene Gallego Romero, Toomas Kivisild, Mait Metspalu, Luca Pagani

**“Ancestry-specific analyses reveal differential demographic histories and opposite selective pressures in modern South Asian populations”**

