

Main lobby						
Poster place	Presenter		Title	Thu	Fri	Category
1	Jaatinen	Serafiina	Progression of IDH-mutant astrocytomas to grade 4 tumors after radiation and chemotherapy treatment	1		Cancer research
3	Kukkonen	Konsta	AR expressing in vitro model of human luminal prostate epithelium	1		Cancer research
5	Mäntylä	Sonja	FGFR3-TACC3 fusion protein drives migration, lower differentiation state, and enhanced calcium signaling response in glioblastoma	1		Cancer research
7	Siltari	Aino	Direct resistance to enzalutamide leads to differing cellular response and chemoresistance compared to sequential resistance to bicalutamide and enzalutamide in castration-resistant prostate cancer cells	1		Cancer research
9	Tommola	Erkka	Salivary Gland FNA Diagnostics in a Real-Life Setting: One-Year-Experiences of the Implementation of the Milan System in a Tertiary Care Center	1		Cancer research
13	Oksa	Laura	Genomic Determinants of Therapy Response in Etv6-Runx1 Leukemia	1		Cancer research
2	Wickra-maarach-chige	Harini	Assessment of vasculogenic potency of bone marrow derived stem/stromal cells from multiple myeloma and acute myeloid leukemia patients in a microfluidic chip		1	Cancer research
4	Kohvakka	Annika	Molecular function of EPCART in prostate cancer		1	Cancer research
6	Sattari	Mina	Identification of long noncoding RNAs with aberrant expression in prostate cancer metastases		1	Cancer research
8	Kiviaho	Antti	Artificial Intelligence for Classifying Molecular Subtypes of Uterine Leiomyoma		1	Cancer research
11	Peltola	Elina	Long-term prognosis of patients with insulinoma		1	Cancer research
15	Vuorisalo	Antti	When Thyroid Tissue is Found in Endobronchial Ultrasound-guided Transbronchial Needle Aspiration Specimens: Is It Ectopic or Metastatic?		1	Cancer research
12	Miao	Ya	Structural basis for clinical stage inhibitor binding to JAK2	1		Molecular and cellular physiology and biology
16	Milicevic	Nemanja	The circadian clock regulates barrier permeability in epithelial cells	1		Molecular and cellular physiology and biology
17	Tietz	Tilman	Between benefit and harm – the effect of antibiotics-induced mitochondrial dysfunction on innate immune responses	1		Molecular and cellular physiology and biology
20	Gaertner	Kateryna	Molecular phenotyping of closely related species of hares	1		Molecular and cellular physiology and biology
21	Gerber	Lauren	Ageing-Associated DNA Methylation Changes in Sex Chromosomes	1		Molecular and cellular physiology and biology
24	Marttila	Saara	Methylation status of VTRNA2-1/ nc886 is stable across populations, monozygotic twin pairs and in majority of tissues	1		Molecular and cellular physiology and biology
25	Junno	Maiju	The effect of nhlrc2 mutation in zebrafish during the early development		1	Molecular and cellular physiology and biology
10	Ignatova	Irina	Developmental changes in morphological and electrophysiological properties of two lines of hESC-RPE		1	Molecular and cellular physiology and biology
14	Pöllänen-mi	Angelika	Assay development for JAK2 inhibitor screening		1	Molecular and cellular physiology and biology
18	Parkkinen	Jenny	Mycobacterial carbonic anhydrases as novel therapeutic targets against tuberculosis infection		1	Molecular and cellular physiology and biology
19	Lillsunde	Päivi	Mitochondrial thermobiology in Drosophila melanogaster		1	Molecular and cellular physiology and biology
22	Kemppainen	Esko	Dynamics of antigen-antibody interactions in dermatitis herpetiformis		1	Molecular and cellular physiology and biology
23	Saari	Sina	Thermogenesis and thermal adaptation in fibroblasts from two hare species		1	Molecular and cellular physiology and biology
29	Salomaa	Tanja	Allergy related immune cells mast cells and basophils response differently in Interleukin-4 and -13	1		Immunology and virology
33	Hyder	Rafiquel	Wastewater-Based Virus Surveillance – The Results of the WastPan Subproject Beyond COVID-19 (TAU)		1	Immunology and virology

37	Lehtola	Tiina	The glucocorticoid dexamethasone alleviates acute allergic inflammatory reaction through an MKP-1 dependent mechanism	1	Immunology and virology
40	Suominen	Helmi	Peripheral blood T-lymphocyte phenotypes in mother-child pairs stratified by the maternal HPV-status: persistent HPV16 vs. HPV-negative: A case-control study.	1	Immunology and virology
41	Harjula	Sanna	The role of unc119b in mycobacterial infection in zebrafish	1	Immunology and virology
27	Luostarinen	Samu	The Regulation of TRPA1 Expression and Function by Th1- and Th2-Type Inflammation in Human A549 Lung Epithelial Cells	1	Immunology and virology
31	Vanha-aho	Leena-Maija	MMAR_3485 does not form functional amyloid but might contribute to cording in Mycobacterium marinum	1	Immunology and virology
35	Kettunen	Vivian	Production and inhibition of catalytically active full-length Janus kinase 3	1	Immunology and virology
38	Sillanpää	Alina	Proteomic analysis of the surface of Mycobacterium marinum biofilms in vitro and in vivo and the development of the first biofilm-binding synthetic nanobodies	1	Immunology and virology
39	González Rodríguez	Martin	IL7R α and TSLPR expression on LCs in response to inflammatory stimulation	1	Immunology and virology
42	Koho	Essi	Drug compounds that intervene with cellular pathways may help to block viral infections	1	Immunology and virology
43	Maasdorp	Matthew	Investigating two novel immune-induced peptides, IBIN and IBIN-like, in the Drosophila fruit fly infection model.	1	Immunology and virology
28	Tanner	Karoliina	Celiac patient iPSC can be differentiated into mature and functional small bowel mucosal epithelium	1	Gastroenterology
32	Koskimaa	Sara	Long-term health outcomes and treatment success in coeliac disease patients diagnosed either in childhood or adulthood	1	Gastroenterology
36	Aitokari	Linnea	Alanine Aminotransferase Cutoffs for Screening and Diagnosing Pediatric Fatty Liver Disease: Major Impact of the Reference Population	1	Gastroenterology
26	Riekk	Hanna	Prevalence and associated factors of metabolic-associated fatty liver disease in overweight Finnish children and adolescents	1	Gastroenterology
30	Katunin	Eneli	Major endoscopic findings are rare and not associated with clinical or serological presentation at celiac disease diagnosis in adult patients: a real-life experience	1	Gastroenterology
34	Laurikka	Pilvi	Factors associated with depressive symptoms and reduced quality of life in untreated coeliac disease and after one year of treatment	1	Gastroenterology

Visakorpi auditorium						
Poster place	Presenter		Title	Thu	Fri	Category
46	Sindelar	Jan	Comparison of the influence of 2 different bioactive glass compositions to commercial glass 45S5 in polymer-glass composites for bone applications	1		Bio- and nanomaterials
50	Gering	Christine	Bioactivated Gellan Gum Hydrogels In Vitro and In Vivo	1		Bio- and nanomaterials
54	Ghanavati	Sonya	Bioresorbable Mg/Sr phosphate scaffold as potential bone graft	1		Bio- and nanomaterials
58	Niemelä	Mari	Material model for simulating filled polymer melt flow	1		Bio- and nanomaterials
62	Szczodra	Agata	Novel borosilicate bioactive glass material for bone implants	1		Bio- and nanomaterials
66	Korpela	Sanna	Recombinant spider silk hydrogels for 2-dimensional cell culture	1		Bio- and nanomaterials
70	Fratello	Michele	A wisdom-of-crowd approach for ENMs safety prediction	1		Bio- and nanomaterials
71	Ohlsbom	Roope	Differentiating osteocytes from bone marrow-derived mesenchymal stem/stromal cells in collagen hydrogel	1		Bio- and nanomaterials
48	Jongprasitkul	Hatai	Tailoring the Printability of Methacrylated Gellan Gum Biomaterial Ink for Extrusion-based 3D Bioprinting		1	Bio- and nanomaterials
52	Evans	Austin	'Plug and Play' Protein-Carbohydrate Hydrogel Toolkit for 4D Cancer Mechanobiology Research		1	Bio- and nanomaterials
56	Nyrhinen	Juho	THV and THVP usage in cell culturing		1	Bio- and nanomaterials
60	Gobbo	Virginia	Fibronectin Adsorption On Surface-Modified Bioactive Glass S53P4 And Its Implication On Human Adipose Stem Cells Behavior		1	Bio- and nanomaterials
64	Carlson	Craig	Acoustic parametrisation of gellan gum		1	Bio- and nanomaterials
68	Kurki	Alma	Supercritical Carbon Dioxide -Foamed Poly(L-lactide-co-ε-caprolactone) Scaffold Embedded With Ascorbic Acid Derivative For Urethral Tissue Engineering		1	Bio- and nanomaterials
72	Honkamäki	Laura	3D bioprinted human stem cell derived cornea stromal tissue model with innervation		1	Bio- and nanomaterials
73	Peussa	Heidi	Light induced nanoscale deformation in azobenzene thin film triggers rapid intracellular Ca2+ increase via mechanosensitive cation channels		1	Bio- and nanomaterials
105	Serra	Angela	Characterization of ENM dynamic dose-dependent MOA in lung with respect to immune cells infiltration		1	Bio- and nanomaterials
102	Vinogradov	Andrey	Network burst detection app		1	Neuro science
103	Keto	Laura	Calcium dynamics simulations with morphologically detailed reconstruction of cerebellar astroglial cell model	1		Neuro science
104	Mzezewa	Ropafadzo	Development of a functional in-vitro model in Dravet syndrome patient hiPSC-derived cortical neurons	1		Neuro science
107	Ahtiainen	Annika	Astrocytes protect synapses in neuronal circuits in neuron-astrocyte co-cultures after gabazine stimulation.	1		Neuro science
108	Isosaari	Lotta	Establishment of functional 3D Neuro-Vascular Network-on-Chip model	1		Neuro science
109	Hännikäinen	Vilhelmii-na	Testing of animal-friendly affinity reagents in immunocytochemical staining protocols	1		Neuro science
106	Kulta	Oskari	Axonal guidance in 2D and 3D environment utilizing microfluidic chips, 3D bioprinting and chemotaxis		1	Neuro science
47	Moreno Sanchez	Pedro	Personalised Prognostics and Diagnostics for Improved Decision Support in Cardiovascular Diseases (PerCard project)	1		Cardio vascular research
51	Ahola	Antti	Estimating cardiomyocyte sarcomere orientation from nuclei morphology and orientation using deep learning in brightfield microscopy	1		Cardio vascular research
55	Depes	Denis	Autonomic Innervation in Caval Veins' Myocardial Sleeves Related to Cardiovascular Death	1		Cardio vascular research
59	Szibor	Marten	Alternative oxidase impairs long-term adaptive remodeling in the post-ischemic mouse heart	1		Cardio vascular research

63	Ojanen	Markus	Bacteria-specific norovirus-like particle conjugate vaccine in prevention of cardiovascular diseases	1	Cardio vascular research
67	Zakzook	Fatma	Human induced pluripotent cardiomyocytes as a model for characterization and studying effect of Myozap gene mutation and its implication in dilated cardiomyopathy	1	Cardio vascular research
74	Kreutzer	Joose	Oxygen Gradient Device for Ischemic Studies	1	Cardio vascular research
49	Valtonen	Joona	A Small Molecule Inhibitor of Sarcomere Contractility Acutely Relieves Prolonged Relaxation in Human-induced Pluripotent Stem Cell-derived Cardiomyocytes With Hypertrophic Cardiomyopathy	1	Cardio vascular research
53	Depes	Denis	Cardiovascular Mortality and Autonomic Innervation in Myocardial Sleeves Around Pulmonary Veins	1	Cardio vascular research
57	Rajic	Sonja	The predicted RNA levels of nc886 associate with stroke and death in a cardiovascular patient cohort and other cardiovascular phenotypes in population cohorts	1	Cardio vascular research
61	Gaballa	Mahmoud	Fatty Acid Metabolic Maturation Media Improve the Physiological Function of Human iPSC-Derived Cardiomyocytes	1	Cardio vascular research
65	Kostiniuk	Daria	Circulatory microRNA levels associate with systolic and diastolic blood pressure and may predict hypertension development on top of the traditional risk factors in the next ten years – the Young Finns Study	1	Cardio vascular research
69	Ryyti	Riitta	Health-promoting effects of lingonberry in obesity: Impact on weight gain, glucose and lipid levels, and low-grade inflammation in high-fat diet-induced obesity model in mice	1	Cardio vascular research
92	Nevala	Noora	Establishing live imaging approach to study photoreceptor and retinal pigment epithelium cells in vivo in zebrafish	1	Bioimaging
96	Harju	Venla	Modelling stroke in 3D neuronal networks in vitro	1	Bioimaging
100	Laguna	Santiago	Development of novel 3D X-ray micro-computed	1	Bioimaging
90	Välimäki	Hannu	A microscopy platform for cell-friendly oxygen imaging in 3D cell cultures	1	Bioimaging
94	Partinen	Jenni	RPE-phagocytosis of photoreceptor outer segments in zebrafish model	1	Bioimaging
98	Reunamo	Aino	AI Segmentation of Villi Vasculature	1	Bioimaging
76	Pournoori	Nikta	Wireless Brain Implant for Dopamine Monitoring: The Concept and First Results	1	Micro- and nanoengineering & devices
80	Tornberg	Kaisa	Organ-on-chip approach to hypoxia and the heterogeneity of the microenvironments	1	Micro- and nanoengineering & devices
84	Anderton	Nicole	Simulated destructive release from antibubble microcapsules	1	Micro- and nanoengineering & devices
88	Yilmaz	Kardelen	Comparison of Electrode Configurations for Impedance Plethysmography Based Heart Rate Estimation at the Forearm	1	Micro- and nanoengineering & devices
78	Sukki	Lassi	Photolithography and 3D-printing based micro-macro fabrication for cell culture devices	1	Micro- and nanoengineering & devices
82	Salpavaara	Timo	Understanding signals measured with microelectrode arrays	1	Micro- and nanoengineering & devices
86	Yrjänäinen	Alma	Fluid flow induces morphological alterations in conjoined 3D vasculatures within a novel open-top microfluidic chip	1	Micro- and nanoengineering & devices
75	Faiem	Nabid	Parkinson’s Disease Symptom Monitoring Using Wearable Sensors and Machine Learning	1	Health data science
77	Asuroglu	Tunc	An expert system approach to decision support for COVID-19 patients in Intensive Care Units	1	Health data science
81	Nättinen	Janika	Ocular surface health affects the quality of life of the elderly	1	Health data science
85	Purola	Petri	Glaucoma costs in Finland—results from a nationwide health survey and register data	1	Health data science

79	Di Lieto	Emanuele	ESPERANTO: a GLP-fied sEmi-SuPERvised toxicogenomics meta-dAta curatioN TOol	1	Health data science
89	Federico	Antonio	The integration of network modelling with prior knowledge uncovers actionable determinants of atopic dermatitis	1	Computational biology
93	Mykuliak	Vasyl	Vinculin binds partially unfolded vinculin binding sites in talin	1	Computational biology
97	Pavel	Alisa	The Unified Knowledge Space or Why Data is Actually Quite Nice	1	Computational biology
101	Saarimäki	Laura	Integrated Strategy to Design AOP-based New Approach Methodologies and Embed Toxicogenomic Evidence into Chemical Safety Assessment	1	Computational biology
83	Lima de Brito Almeida	Bilena	The transcription factor network of E. coli steers global responses to stresses	1	Computational biology
87	Dash	Suchintak	Bacterial response mechanisms to cold shock and its usage in future bioengineering applications	1	Computational biology
91	Linne	Marja-Leena	Sensitivity analysis of cortical synapse model with Uncertainpy	1	Computational biology
95	Mohamed Bahru-deen	Mohamed	Discovering RNA binding protein targets using Oxford Nanopore Direct RNA sequencing	1	Computational biology
99	Möbus	Lena	A multi-view disease similarity map approach	1	Computational biology