



## BIOMEDICUM HELSINKI FOUNDATION GRANTS 2020

### Clinical Post-Doc Grant

Name	Title	€
Veijo Salo	Establishing new approaches in correlative light and cryo-electron tomography to unravel organelle biology	50 000

### Young Investigators' Grants

Name	Title	€
Yevhen Akimov	Identification, isolation and therapeutic targeting of drug-resistant subclones	4 000
Matias Autio	Characterizing the Tumor Microenvironment in Diffuse Large B-cell Lymphoma	4 000
Shady Awad	Somatic Mutations as drivers of Treatment Resistance and Progression of Chronic Myeloid Leukemia (CML)	4 000
Oscar Brück	Spatial Immunophenomics of the Bone Marrow of Myelodysplastic Syndrome Patients	6 000
Suvi Douglas	Genetic predisposition to hematologic malignancies	4 000
Eman Elzeneini	Molecular mechanisms of stem cell plasticity and heterogeneity in the oral epithelium for disease modeling and drug discovery	4 000
Marika Eriksson	The impact of blood pressure and diabetic retinopathy in relation to cerebral small-vessel disease in type 1 diabetes	4 000
Tanzeela Hanif	Airway barriers during inflammatory diseases: Discovery of genome based alterations by using Next Generation Sequencing	4 000
Johanna Hietamäki	Lapsuusiässä alkaneen aivolisäkkeen vajaatoiminnan etiologia, ilmaantuvuus ja ilmiäset Suomessa	4 000
Helena Hohtari	Towards Curative Therapy of Philadelphia Chromosome-Positive Acute Lymphoblastic Leukemia	4 000
Aleksandr Ianevski	Prediction of multi-drug combination effects with a minimal set of experiments	6 000
Olesia Ignatenko	Astrocytic responses in mitochondrial brain disease.	4 000
Disha Malani	Real-time translation of tailored therapeutic opportunities arising from functional and molecular profiling in acute myeloid leukemia	6 000
Nirajan Neupane	Mitochondrial co-chaperones GRPEL1 and GRPEL2 contribute independently to development and adaptive adipose tissue metabolism	4 000
Alisa Olkinuora	Molecular characterisation of unexplained colorectal cancer and polyposis	4 000
Elina Pietilä	Cancer cell-microenvironment communication in high grade serous ovarian cancer	6 000
Lasse Rämö	Effectiveness of Surgical versus Non-surgical Treatment of Humeral Shaft Fractures: FISH (Finnish Shaft of the Humerus) Trial	4 000
Kul Shrestha	Investigating very-early-stage genomic instability and epigenomic players in multistep tumorigenesis.	4 000
Timo Tarvainen	Postoperatiiviset sappitieperäiset infektiot haimakirurgiassa	6 000
Lauri Vanharanta	Mechanisms of cellular cholesterol storage and removal: focus on NPC1 regulation	4 000
<b><i>Timo Lehtonen Urological Fund</i></b>		
Juho Eineluoto	Characteristics of multiparametric magnetic resonance imaging in prostate cancer diagnosis and active surveillance	4 000

**Borrelia Fund**

Vinaya Dulipati	Identification and characterization of immune evasion strategies of Borrelia	6 000
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**Start-Up Grants**

<b>Name</b>	<b>Title</b>	<b>€</b>
David He	Lef1 in the early stages of intestinal cancer stem cell clonal expansion	4 000
Kaisa Litonius	Tosielämän farmakogenetiikkaa: farmakogeneettisen vaihtelun vaikutus lääkehoidon lopputulokseen ja terveydenhuollon käyttöön	4 000
Ruth Nousiainen	Elucidating the metabolomic reprogramming in hepatoblastoma	4 000
Petra Nygren	Genomic landscape of NK malignancies	4 000
Heikki Peura	Tekoälypohjaiset sovellukset pään TT-kuvien automaattisessa kuva-analytiikassa	4 000
Anni Ylinen	Multimorbidity in type 1 diabetes	4 000

**Biomedicum Foundation Prize 2020**

<b>Name</b>	<b>Title</b>	<b>€</b>
Michele M Nava	Heterochromatin-Driven Nuclear Softening Protects the Genome against Mechanical Stress-Induced Damage	2 000