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iCANDOC Doctoral Researcher	Main Supervisor	Unit	Campus	Project Plan TItle
Aniqa Anwar	Tuomas Lilius	Pharmacy	Viikki	Translational Neuropharmacology: Targeting Glioblastoma with Glymphatic Drug Delivery
Gauri Arolkar	Taija Mäkinen	Medicine	Meilahti	Immunomodulatory roles of lymphatic endothelium in lung cancer and metastasis
Johanna Aspholm	Pekka Katajisto	Biol Env Sci	Viikki	Metabolic heterogeneity in intestinal adenomas
Juho Asteljoki	Panu Luukkonen	Medicine	Meilahti	Metabolic pathways underlying the development of liver cirrhosis and hepatocellular carcinoma
Yuqing Bai	Matjaz Barboric	Medicine	Meilahti	Therapeutic targeting of the transcriptional kinase CDK9 in breast cancer
Diana Barakhtii	Filip Ekholm	Science	Kumpula	Development of poly(ADP)ribose polymerase targeted boron carriers for boron neutron capture therapy
Mohammadsadegh Beikverdi	Adrian Goldman	Biol Env Sci	Viikki	Functional and structural aspects of the RET receptor tyrosine kinase in MEN2A cancer syndrome
Paolo Bottega	Vincenzo Cerullo	Pharmacy	Viikki	PhageVax – A Bacterial Approach to Cancer Therapy
Anders Brandt	Kimmo Porkka	Medicine	Meilahti	Integrative Machine Learning for Enhanced Tumor Classification and Biomarker Discovery
Cienna Buckner	Tomas Strandin	Medicine	Meilahti	Molecular Mechanisms of Hantavirus-induced B-cell Lymphomas
Andrea Cerullo	Markku Varjosalo	Medicine	Viikki	Deciphering the oncogenic potential of transcription factor gene fusions in cancer.
Manon Chédeville	Annette Horstmann	Medicine	Meilahti	Unraveling the Role of Depressive Symptoms on Food Intake in Colorectal Cancer Patients
Wenqing Chen	Anna Vähärautio	Medicine	Meilahti	Integrative Single-cell Analysis of the Tumor Microenvironment and Drug Response Signatures in HGSC
Yidian Chu	Tero Aittokallio	HiLIFE	Meilahti	Decoding Immune Evasion in PDAC: Organoid and Multi-omics Integration
Lilla Csellar	Olli Carpén	Medicine	Meilahti	Novel prognostic tissue biomarkers in high-grade serous ovarian cancer
Seyda Culfa	Leonardo Almeida-Souza	HiLIFE	Viikki	Understanding a novel link between the septin cytoskeleton and cancer
Muhammad Yaqoob Dayo	Maria Vartiainen	HiLIFE	Viikki	Chromatin Dynamics and Transcriptional Regulation in Breast Cancer
Priyal Dhawan	Johanna Englund	HiLIFE	Viikki	Functional Role of Tumor-derived Extracellular Matrix in Breast Cancer Initiation and Treatment
Diogo Dias	Satu Mustjoki	Medicine	Meilahti	A systems pharmacology approach to discover synergy in co-culture screens with cancer immunotherapy
Sri Suhashini Doraisamy	Pirjo Laakkonen	Medicine	Meilahti	Role of astrocytes to a tumor-promoting immunosuppressive environment in malignant brain tumors
Nanna Förster	Helike Lõhelaid	Pharmacy	Viikki	Inflammation in the growth and progression of kidney cancer derived brain metastasis
Aparna Ganesan	Ari Ristimäki	Medicine	Meilahti	Discovery of novel predictive biomarkers in metastatic colorectal cancer patients
Lu Gao	Päivi Pihlajamaa	Medicine	Meilahti	Discovering the critical transcription factors controlling HCC for new therapeutic targets
Xuechun Gao	Tero Aittokallio	HiLIFE	Meilahti	Machine learning modelling for personalized drug combination selection
Yvonne (Yvoni) Giannoula	Vincenzo Cerullo	Pharmacy	Viikki	Cellular senescence and oncolytic virotherapy
Georgia Vasiliki Gkountana	Ahmed Al-Samadi	Medicine	Meilahti	Unraveling IDO1 and Oral Microbiome Immunosuppression in Head and Neck Cancer
Inés Gómez Lozano	Takashi Namba	HiLIFE	Meilahti	Deciphering glioblastoma metabolic microenvironment using iPS cell technologies
Tamara Gonzalez Armijos	Sakari Vanharanta	Medicine	Meilahti	Hypoxia inducible factor 2A (HIF2A)-dependent oncogenic programs in kidney cancer
Olavi Goussev	Marieke Kuijjer	Medicine	Meilahti	Pan-cancer modeling of distal regulatory network rewiring
Naipunya Guruprasad	Anniina Färkkilä	HiLIFE	Meilahti	Single-cell and spatial biomarkers for regression and responses to immunotherapy in cervical cancer
Outi Hasu	Teijo Pellinen	HiLIFE	Meilahti	Tumor microenvironment and tumor cell plasticity in prostate cancer: Uncovering Novel Biomarkers
Zhiying He	Tero Aittokallio	HiLIFE	Meilahti	Integrating Radiomics, snRNA-seq, mfIHC, Spatial Transcriptomics to Decipher the PCa TME Landscape
Anni Heinolainen	Risto Renkonen	Medicine	Meilahti	Deep learning methods on 100,000 cancer patients to identify subpopulations with different outcomes
Melissa Hendrén	Shiqi Wang	Pharmacy	Viikki	Development of new imaging methods to characterize nanoparticle mediated intracellular gene delivery
Juuli Hietarinne	Sakari Vanharanta	Medicine	Meilahti	Lineage-specific transcription factors in renal tumor biology
Lotta Hiihtola	Vassileios Stratoulias	Pharmacy	Viikki	microDRIVE: Microglia-Driven Cellular Immunotherapies
Emil Hiitola	Mikko Myllymäki	Medicine	Meilahti	Clonal hematopoiesis and treatment-related complications in cancer
Reetta Hopiavuori	Lauri Aaltonen	Medicine	Meilahti	Functional genomics characterisation of uterine leiomyoma

Caroline Högel-Starck	Vilja Pietiäinen	HiLIFE	Meilahti	Epigenetic biomarkers for classification, diagnosis, and treatment of pediatric solid tumors
Amanda Holmström	Jukka Kanerva	Medicine	Meilahti	Tumor induced RNA alterations in diagnostics and disease monitoring of pediatric malignancies
Susanna Holmström	Sampsa Hautaniemi	Medicine	Meilahti	Epigenomic tumor evolution to identify therapeutic targets in ovarian cancer
Qinhan Hou	Jing Tang	Medicine	Meilahti	Deep Learning-based Systems Pharmacology Models for Predicting Efficacy, Toxicity, and Kinetics
Sini Ilves	Lauri Aaltonen	Medicine	Meilahti	Integrative data-analysis of uterine leiomyomas and their chromosomal aberrations
Sonja Jalonen	Tuomas Lilius	Pharmacy	Viikki	Modulation of mechanistic factors behind the glymphatic enhancing properties of alpha-2-agonists.
Joona Jäntti	Anna Vähärautio	Medicine	Meilahti	Single Cell Readable Signal Recording System
Helmiina Järvi	Lauri Aaltonen	Medicine	Meilahti	Tumor subclass specific dysregulated pathways and drug response in uterine leiomyoma
Yaxin Jing	Markku Varjosalo	Medicine	Viikki	Utilizing an integrated multiome for patient-specific insight extraction from cancer data
Ada Junquera Mencía	Anniina Färkkilä	Medicine	Meilahti	Discovery of spatial vulnerabilities in the tumor microenvironment of ovarian cancer
Anastasiia Kachalova	Sakari Vanharanta	Medicine	Meilahti	Molecular mechanisms of resistance to HIF2A inhibition in renal cancer
Pihla Kaipainen	Pipsa Saharinen	Medicine	Meilahti	Investigating novel mechanisms and targets in lung metastasis
Kavya Kalpana Ganesh	Helena Kilpinen	HiLIFE	Meilahti	From Neurons to Neoplasms: Advanced Cellular Imaging to visualize processes
Daniyar Karabayev	Esa Pitkänen	HiLIFE	Meilahti	Comprehensive analysis of cell-free DNA for early cancer diagnosis and precision cancer medicine
Joonas Kartau	Matti Pirinen	HiLIFE	Meilahti	Identifying causal, germline genetic variants from pan-cancer genome wide meta-analyses
Konsta Karttunen	Biswajyoti Sahu	Medicine	Meilahti	Mechanistic dissection of cis-regulatory transposable elements for epigenetic therapy in cancer
Roosa Kekki	Timo Laaksonen	Pharmacy	Viikki	Light-activated photo-oxidation for controlled drug delivery for cancer therapy
Julia Koivula	Satu Kuure	HiLIFE	Meilahti	Nephron progenitor dysregulation in Wilms tumor and tumorigenic properties of regenerative Acomys
Miska Kosonen	Vincenzo Cerullo	Pharmacy	Viikki	Development and Application of Adenovirus-based Oncolytic Therapies and Immunopeptidomics on RCC
Oussama Krami Senhaji	Liisa Kauppi	Medicine	Meilahti	Impact of intratumor microbiome on DNA damage repair mechanisms in HGSOC
Veera Kurki	Andrew Erickson	Medicine	Meilahti	Spatial profiling of somatic copy number alterations in normal and cancerous prostatic tissues
Aleksi Laiho	Liisa Holm	Biol Env Sci	Viikki	Cancer biomarker selection pipeline with data pre-processing, feature selection and classification
Hanna Laitinen	Heidi Haikala	Medicine	Meilahti	Unraveling the interplay of the innate immunity and CAFs to improve lung cancer outcomes
Theerin Lanamtieng	Oscar Brück	Medicine	Meilahti	Machine learning for predicting genetic profiles and pre-malignant footprints in myeloid neoplasms
Anni Lantta	Anne-Maria Pajari	Agr Forestry	Viikki	The impact of birch-derived compounds on intestinal tumorigenesis in colorectal cancer mouse model
Samuel Leppiniemi	Sampsa Hautaniemi	Medicine	Meilahti	Discovery of chemotherapy resistance driving in ovarian cancer using pan-QTL approach and AI
Klaudia Lewna	Pipsa Saharinen	Medicine	Meilahti	Construction of a human lung endothelial cell atlas to investigate cancer metastasis
Jing Liang	Harri Itkonen	Medicine	Meilahti	Rewiring of prostate cancer cells due to inactivation of transcription elongation kinase CDK12
Zhihan Liang	Anniina Färkkilä	Medicine	Meilahti	Immunogenomic and Spatial Profiling of Adaptive Immunity in Ovarian Cancer
Linh Lin	Heidi Haikala	Medicine	Meilahti	Exploring new combination treatment strategies to improve targeted therapy responses in lung cancer
Volter Lukander	Miina Ollikainen	HiLIFE	Meilahti	The role of mitochondrial health, aging and obesity in cancer
Tanisha Malpani	Tero Aittokallio	HiLIFE	Meilahti	Understanding macrophage gene regulation in different tumour microenvironments
Enni Martikainen	Vilja Pietiäinen	HiLIFE	Meilahti	Translating MolecularPathogenesis of Pediatric/Adult SoftTissue Sarcomas to NovelTreatmentStrategies
Konstantin Matjusinski	Mikko Myllymäki	Medicine	Meilahti	The role of inflammation driving myeloid transformation
Meeri Maunu	Johanna Mattson	Medicine	Meilahti	Predictive factors for personalized neoadjuvant therapy of triple-negative breast cancer
Eva Daniela Mendoza Ortiz	Caroline Heckman	HiLIFE	Meilahti	Nucleophosmin 1 (NPM1) in AML: Its impact on disease progression and drug response
Seyedehshima Naddafi	Arafath Najumudeen	HiLIFE	Viikki	Metabolic reprogramming of colorectal cancer by solute carriers
Cristina Natalucci	Ulla Wartiovaara-Kautto	Medicine	Meilahti	The Finnish landscape of hematological malignancy through sequencing, improving diagnostics and care
Hanna Nebelung	Esa Pitkänen	HiLIFE	Meilahti	Spatial Transcriptomics in prostate cancer using multimodal foundation models
Franziska Niemeyer	Andrew Erickson	Medicine	Meilahti	Spatial Resolution of Gene Fusions and SCNAs in Prostatic Tumorigenesis

Katri Oksa	Sirpa Leppä	Medicine	Meilahti	The role of T cells in CAR-T cell therapy efficacy and toxicity
Emilia Oksaranta	Riikka Kivelä	Medicine	Meilahti	Treating rhabdomyosarcoma and related cancer cachexia by combined therapy for vascular protection and muscle hypertrophy
Matias Paloranta	Antti Rannikko	Medicine	Meilahti	Artificial intelligence to improve clinical utilization of PSMA-PET CT in prostate cancer
Elsi Pöllänen	Sampsa Hautaniemi	Medicine	Meilahti	Precision oncology targets in ovarian cancer using multi-modal data
Minttu Polso	Vilja Pietiäinen	HiLIFE	Meilahti	Identifying Drug Targets and Immune Strategies for Paediatric Cancers through Tumour Profiling
Mikko Purhonen	Oscar Brück	Medicine	Meilahti	Computational Cytomorphology in Myeloid Leukemias
zhilin qiu	Pia Siljander	Biol Env Sci	Viikki	Investigating the Role of Platelet-Derived Extracellular Vesicles and circRNA in Cancer Progression
Atefe Rahmati	Markus Vähäkoskela	HiLIFE	Meilahti	PRAME is a novel targetable biomarker for venetoclax-refractory and relapsed acute myeloid leukemia
Sara Ranta	Pirjo Laakkonen	Medicine	Meilahti	Effects of the transcriptional landscape on brain metastasis formation
Zaid Ur Rehman	Olli Silvennoinen	HiLIFE	Viikki	Selective therapeutic targeting of JAK pseudokinase domain in hematological malignancies
Julia Rosenqvist	Mikko Niemi	Medicine	Meilahti	Model-based precision dosing of fluoropyrimidine anticancer drugs.
Tyko Runeberg	Eero Castrén	HiLIFE	Meilahti	Oncogenic potential of psychedelic compounds through TRKB activation
Alexey Ryzhenkov	Kimmo Porkka	Medicine	Meilahti	Clinical and biological determinants of resistance to immunotherapy and chemotherapy in lung cancer
Egemen Sahin	Erik Wallen	Pharmacy	Viikki	Targeting of Prostate Cancer with Novel Small-Molecular MID1 Ligands Activating PP2A
Milda Sakalauskaite	Vincenzo Cerullo	Pharmacy	Viikki	Personalised vaccine for pancreatic cancer
Martyna Salciute	Päivi Peltomäki	Medicine	Meilahti	Biomarker Discovery, Link Between Mitochondrial Function and Chromosomal Stability in Lynch Syndrome
Petja Salminen	Kalle Saksela	Medicine	Meilahti	Precision targeting for biological therapies: exploiting the sherpabody platform to develop cancer immunotherapy and antivirals against pandemic threats
Sowndharya Sankar Perumal	Hanna Seppänen	Medicine	Meilahti	Translational potential of stromal lysosome destabilization in pancreatic cancer
Karina Sapovalovaite	Juha Klefström	Medicine	Meilahti	Development of new MYC synthetic lethal treatments to overcome treatment resistance breast cancer
Snigdha Sarthak	Takashi Namba	HiLIFE	Meilahti	What Makes Glioblastoma, Glioblastoma?
Aron Schulman	Ziaurrehman Tanoli	HiLIFE	Meilahti	Artificial Intelligence for Targeted Polypharmacology
Simge Sengul Babal	Ping Chen	Medicine	Meilahti	Decipher metabolic crosstalk driving HGSC metastasis via the omentum-ovary axis
Myriam Sevigny	Saara Ollila	Biol Env Sci	Viikki	Reprogramming of cancer-associated fibroblasts during the stepwise progression of colorectal cancer.
Aleksandra Shabanova	Anniina Färkkilä	Medicine	Meilahti	Spatial multi-omics profiling of immune recognition in Ovarian Cancer
Li Shen	Jing Tang	Medicine	Meilahti	Prediction of Drug Response at Single Cell Resolution
Pablo Siliceo	Anniina Färkkilä	Medicine	Meilahti	Spatiotemporal analysis of tumors deficient in homologous recombination
Riku Somermäki	Susanna Fagerholm	Biol Env Sci	Viikki	Investigating dendritic cell mechanical immune responses to improve cancer immunotherapy.
Samara Souza	Kalle Saksela	Medicine	Meilahti	Redesigning anti-cancer bispesific immune-cell engagers using the sherpabody plataform
Peyton Staab	Päivi Ojala	Medicine	Meilahti	Unraveling SOX18 pioneer function in KSHV genome replication and Kaposi sarcoma tumorigenesis
Emilia Stenberg	Heidi Kidron	Pharmacy	Viikki	Evaluation of dietary interactions impacting the intestinal absorption of anticancer medications
Vandhana Sundar Usha	Jette Lengefeld	HiLIFE	Viikki	Investigation on relationship between vitamin C, cell size and acute myeloid leukemia
Srividhya Sundaresan	Liisa Kauppi	Medicine	Meilahti	Leveraging endogenous DNA damage in therapy-resistant ovarian cancer
Henri Sundquist	Oscar Brück	Medicine	Meilahti	Computational Cytomorphology in Hematological Cancers
Martina Timonen	Mikko Niemi	Medicine	Meilahti	Drug interactions and transporter biomarkers in precision anticancer therapy
Uladzislau Vadadokhau	Mohieddin Jafari	Medicine	Meilahti	Identification of promising drug combinations and their protein targets in ALL
Pouyan Vahid Roudsari	Robert Luxenhofer	Science	Kumpula	LNP Interface Tuning for CRISPR/Cas Delivery: Improving Therapy Precision and Safety with OGM
Manisai Vallapu	Joni A Turunen	Medicine	Meilahti	The germline genetic risk factors in uveal melanoma
Mirte van der Heijden	Akseli Hemminki	Medicine	Meilahti	Discovering the interactions between the microbiome and oncolytic viruses in cancer patients
Hanna Vesikukka	Markku Varjosalo	Medicine	Meilahti	Mass Spectrometry for Cancer Antibodies: Optimization and Biomarker Applications

Arina Värä	Outi Monni	Medicine	Meilahti	BNCT induced immune responses and novel opportunities for combination therapy in HNSCC
Depin Wang	Ping Chen	Medicine	Meilahti	Characterization of alternative splicing programs in drug resistance of ovarian cancer
Mengjie Wang	Shiqi Wang	Pharmacy	Viikki	CRISPR/Cas9 nanoparticle library reshaping Hepatocellular carcinoma tumor immune microenvironment
Jesus Rene Chion Wong Ramirez	Anna Vähärautio	Medicine	Meilahti	Analysis and ML based prediction of cellular adaptation during ovarian cancer treatment
Di Wu	Jette Lengefeld	HiLIFE	Viikki	Identify the mechanisms of how cell size affects acute lymphoblastic leukemia
Gabija Zumaraité	Pekka Katajisto	Biol Env Sci	Viikki	Metabolic chemoprotection through compartmentalization of mitochondria in the intestinal epithelium