

# Cancer Research Community Seminar Event on December 12th at 13.30-17

## Medistudia auditorium 302

### PROGRAMME

13.30–14.00 Coffee and poster exhibition (list of posters on next slide)

### Presentations

**Session 1.** Chair Kirsi Ketola

14.00–14.15 **Einari Niskanen (UEF)**: Mechanisms of anti-inflammatory glucocorticoid signaling

14.15–14.30 **Enkhzaya Batnasan (UEF)**: Nuclear stress responses to cancer drug treatments in prostate cancer cells

14.30–14.45 **Jasmin Huttunen (UEF)**: Inhibition of EP300 modulates steroid receptor action in prostate cancer cells

14.45–15.00 **Marjaana Häyrynen (OU, UEF)**: Tumor RNA sequencing finds a poor prognosis group of MF patients.

A close correlation with histological findings

15.00–15.15 **Emma Valima (UEF)**: SUMOylation inhibition potentiates glucocorticoid receptor to arrest the growth of acute lymphoblastic leukemia cells

15.15–15.45 Break and poster exhibition

**Session 2.** Chair Sanna Pasonen-Seppänen

15.45–16.00 **Kaisa Mäki-Mantila (UEF)**: Tumor-promoting effects of M1 macrophage and cancer cell secreted extracellular vesicles in melanoma

16.00–16.15 **Heikki Kyykallio (UEF)**: The potential of hyaluronan-coated extracellular vesicles in cancer targeting

16.15–16.30 **Mari Lahnalampi (UEF)**: Characterization of leukemias at single cell level

16.30–16.45 **Antti Turunen (KUH)**: Autograft cellular composition and outcome in hematological patients

16.45–17.00 Closing words

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### Poster exhibition

**Mari Lahnalampi (UEF):** Dynamic evolution of TCF3-PBX1 leukemias at single-cell level under chemotherapy pressure

**Konstantin Ivanov (UEF):** Deep variational autoencoder modelling of multimodal single-cell data resolves molecular fingerprints of pre-leukemic states

**Sanni Moisio (UEF):** Genomic determinants of therapy response in ETV6-RUNX1 leukemia

**Raju Gudhe (UEF):** Predicting cell type counts in whole slide histopathology images using evidential multi-task learning

**Minna Harmanen (UEF):** Improved survival in patients with mantle cell lymphoma between 2000 to 2020 during the rituximab era

**Kirsi Kainulainen (UEF):** M1 macrophages induce pro-tumor inflammation in melanoma cells via TNFR–NF- $\kappa$ B signaling

**Roosa Kaarijärvi (UEF):** DPYSL5 Promotes Cellular Stemness and Transdifferentiation and is Highly Expressed in treatment-induced Neuroendocrine Prostate Cancer

**Heidi Kaljunen (UEF):** Fanci is a master regulator of Fanconi anemia pathway in prostate cancer

**Tea Metsävainio (UEF, KUH):** Gynecological cancer and family-centered care

**Tommi Patinen (UEF):** Dissecting the protein interactome of wild type and lung cancer associated gain-of-function mutants of NRF2

**Mauro Scaravilli (UEF):** RNA-binding protein FUS/TLS regulates oncogenic gene fusion products in prostate cancer

**Jouni Kujala (UEF):** Circulating cell-free DNA reflects the evolution of metastatic breast cancer

**UEF**  **CANCER**

RESEARCH COMMUNITY