



### **Internship for a bioinformatic student**

Fibroblasts are key players in many diseases, such as cancer and fibrosis. The Lichtenberger Lab is interested in dissecting how fibroblasts affect the pathology of skin diseases. We recently established a single cell RNA sequencing (scRNAseq) atlas of three different types of human skin cancers with focus on the cancer-associated fibroblasts (CAFs). To date, several scRNA datasets on skin tumors have been published that also include fibroblasts. However, in those studies the focus was on different cell types and the fibroblasts have not been analyzed in detail.

**We are looking for a medical bioinformatic student who is interested in analyzing scRNAseq datasets from human skin tumors and further establishing an R-Shiny webtool that would allow all lab members easy access to exploring gene expression in those datasets. Moreover, integration and analysis of all published skin cancer scRNA datasets of interest, including ours, will be a following task.**

We offer an internship/KFK Praktikum/Projektstudium in a young, inspiring research lab ([www.lichtenbergerlab.org](http://www.lichtenbergerlab.org)) at the Anna-Spiegel Center of Translational Research, Medical University of Vienna. We work in close collaboration with other national and international research labs that have a strong background in scRNAseq data generation and analysis, who will also provide support throughout the project. A subsequent master thesis is possible with marginal employment.

Please send your CV and application to [beate.lichtenberger@meduniwien.ac.at](mailto:beate.lichtenberger@meduniwien.ac.at) and [agnes.forsthuber@meduniwien.ac.at](mailto:agnes.forsthuber@meduniwien.ac.at).

We are looking forward to hearing from you!