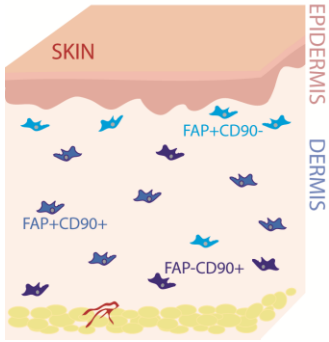
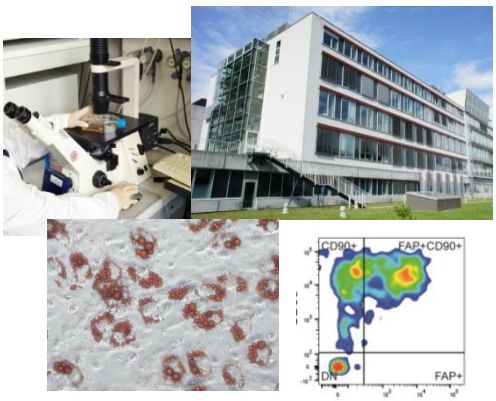
MEDICAL UNIVERSITY OF VIENNA

2020-01-21

It's All About Fibroblasts – A Master Thesis

Fibroblasts are an essential cell type in the skin dermis. They are key players in wound healing and inflammation as well as in the pathogenesis of various diseases including fibrosis and cancer. Intriguingly, several fibroblast subsets have been identified but their specific functions in skin homeostasis and disease remain elusive. In your master thesis you will dissect their function and specifically their immunological role in different types of skin cancer. Furthermore, you will also be studying how the epigenetic modifiers HDACs (Histone Deacetylases) are involved in fibroblast differentiation and if targeting HDACs could be a beneficial therapy for skin cancer and fibrosis.



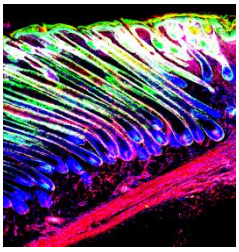


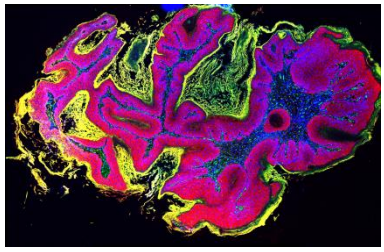
About us:

We are a small and highly enthusiastic team of researchers at the Department of Dermatology of the Medical University of Vienna based in the Anna Spiegel Center of Translational Research. We offer you a close support during your master thesis and the possibility to get trained in a wide range of state-of-the-art *in vivo* and *in vitro* techniques including two- and three-dimensional tissue culture, flow cytometry and confocal fluorescence microscopy, which will be an asset for your further career.

Requirements:

Enthusiasm for Science
Willingness to work with mice
Starting Date: March 2020
Duration approx.1 year





Got interested? Email us:

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Get under your skin ...
lichtenbergerlab.org

Further reading:

https://www.elsevier.com/books/epidermal-stem-cell-niche/perez-moreno/978-0-12-818446-2
https://www.sciencedirect.com/science/article/pii/S0022202X18325569?via%3Dihub
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