Master Thesis - Resolving Fibrosis: Learning from Biology

Description

We are looking for motivated master students to work on a translational project, focusing on understanding mechanisms that underlie fibrosis resolution. Systemic sclerosis is the prototypical fibrotic disease with no disease-modifying therapies, yet skin fibrosis regresses spontaneously in a subset of patients. This project aims to build a molecular fingerprint of that natural regression to uncover new therapeutic targets for fibrosis resolution in SSc and beyond.

Keyword: Systemic sclerosis; skin fibrosis; fibrosis regression; tissue remodelling; therapeutic targets

Project Goal & Methods

We have several projects available for interested master students. All projects will include molecular biology methods (qPCR, Western blot, ELISA, cell culture and perturbation of cell models, isolation of cells from human samples) and advanced 3D *in vitro* models.

Duration/Starting date

Flexible, any time after February 2027.

Contact Details

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Links: Research Group Oliver Distler – USZ