03-12-15

**PhD student position to study** [**dysregulated proteolytic maturation of the extracellular matrix in wound healing pathologies**](http://www.drarbeit.de/drarbeit/php/detail.php?nr=17)

A PhD student position is available immediately at the Department of Dermatology University of Freiburg, Germany. We are looking for a highly motivated PhD student to join our group to study the involvement of dysregulated proteolytic maturation of the extracellular matrix in wound healing pathologies. The project involves biochemical and histological analyses of in vitro and in vivo models of physiological and pathological wound healing. Both acquired and genetic conditions will be studied. Direct clinical relevance will be gained by analyses of patient material. The knowledge acquired from the studies will be used to design and test therapeutic strategies to improve/normalize wound healing in relevant models. The position is fully financed for three years.

For questions or to apply please contact Dr. Alexander Nyström, PhD at : [alexander.nystroem@uniklinik-freiburg.de](mailto:alexander.nystroem@uniklinik-freiburg.de)

References

Nyström A, Thriene K, Mittapalli V, Kern JS, Kiritsi D, Dengjel J, Bruckner-Tuderman L. Losartan ameliorates dystrophic epidermolysis bullosa and uncovers new disease mechanisms. EMBO Molecular Medicine 7, 1211-28, 2015.

Kühl T, Mezger M, Hausser I, Handgretinger R, Bruckner-Tuderman L, Nyström A. High Local Concentrations of Intradermal MSCs Restore Skin Integrity and Facilitate Wound Healing in Dystrophic Epidermolysis Bullosa. Mol Ther 23, 1368-79, 2015.

Nyström A, Velati D, Mittapalli VR, Fritsch A, Kern JS, Bruckner-Tuderman L. Collagen VII plays a dual role in wound healing. J Clin Invest 123, 3498-509, 2013.