

# 3<sup>rd</sup> International Conference on Tissue Science & Regenerative Medicine

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regeneration of traumatized muscle after acute soft-tissue trauma and following a limb-shortening distraction procedure in a rabbit lower extremity. We aimed to determine whether local administration of these growth factors: (1) Improve muscle force regeneration (2) To which level traumatized muscle tissue recovers? (3) If there is a change in scar tissue formation? And (4) if there is a change of the impairments in muscle regeneration caused by the induced trauma?

To highlight the effects of VEGF and CYR61 on two different tissues (muscle and bone) and to emphasize different potential therapeutic strategies, we thought it was necessary to publish these results separately.

## Biography

Sönke Frey has completed his doctoral degree at the University of Münster, Germany. Before he had studied medicine in Münster, Germany, in Perth, Australia and in Boston, USA. For his doctoral thesis he developed a non-invasive method to measure muscle force in small animals. He works as a senior orthopaedic surgeon at a Level I trauma center at the University of Würzburg, Germany. His main research interest is the regeneration of traumatized tissues. He has published several papers in international reputed journals on tissue regeneration after trauma.

[Frey\\_S@ukw.de](mailto:Frey_S@ukw.de)