

## ***Labor f. Experimentelle Unfallchirurgie (Klinik/Poliklinik für Unfallchirurgie)***

### **Research scope**

The Laboratory of Experimental Trauma Surgery investigates the pathogenesis, prevention and treatment of bone implant-associated infections. The search for explanations and solutions for clinical problems is carried out using different experimental approaches and in a multidisciplinary team.

Our main focus is at bone and implant-related infections. Moreover, there is a strong focus at regenerative medicine of connective tissues as well.

Research focus: Implant-associated infections and novel antimicrobial strategies. Infections of implants are a major and increasing problem in modern medicine, especially in view of the increase in antibiotic resistance. Bacterial, biomaterial, and host-responses involved in the pathogenesis are subject of studies, in order to find novel approaches for treatment and prevention.

[Further information](#) on our research and educational activities.