



Announcement: PhD position at the Institute of Clinical and Experimental Trauma Immunology

The Institute of Clinical and Experimental Trauma Immunology is offering a PhD position starting July 2020. The project aims to identify early markers of immunodysfunction in systemic inflammation with a focus on sepsis and sepsis as a complication of trauma.

Scope of the project

- Characterization of neutrophil functions in vitro after stimulation with sepsis related mediators
- Linking of granulocyte (dys-)function with early cellular markers as certain antigens or intracellular alterations
- Advancement of a whole blood environment simulating sepsis, e.g. improvement of an already established ex vivo whole blood model
- Translational application of the identified markers in experimental and clinical sepsis
- Development of a rapid, clinically applicable method to stratify the risk of sepsis patients related to the function of the immune system

Your qualifications

- Master or equivalent degree in life sciences, including molecular medicine, biochemistry, biology or bioinformatics
- Solid knowledge of basic laboratory methods (ELISA, Western Blot, ...)
- Preferred: Experience with flow cytometry and / or data modeling

Your benefits

- Become a part of a multidisciplinary team of scientists, technicians, and physicians with strong local and international collaborations
- Individual supervision within a defined, successfully reviewed project, including a training in flow cytometry, sepsis modelling and translational medicine
- Support regarding an application for the International Graduate School in Molecular Medicine Ulm
- Three-year PhD position in accordance to TV-L 13 65%

Please send your application (letter of motivation, curriculum vitae, publication list if applicable, letter of recommendation, all in one PDF file) to Mrs. Simone Welle (simone.welle@uniklinik-ulm.de). For more information about the project, please contact Dr. David Messerer (david.messerer@uni-ulm.de).

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<https://www.uniklinik-ulm.de/klinische-und-experimentelle-trauma-immunologie.html>

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