



Immediately or in the near future we are seeking a

Scientist (postdoc) (m/f)

to work on projects which

- investigate - on a molecular and cellular level - the functions of effector proteins within the soluble branch of the innate immune system (the complement system) and related pathways
- utilise recombinant technology & protein biochemistry to express & purify candidate proteins
- investigate native and recombinant proteins and their ligands in biochemical, biophysical and cell-based activity assays
- entail the education of students at different levels

Your tasks:

- Active integration into the research projects of the group
- Driving and supervising a part of ongoing research projects in conjunction with the group leader including work on grant applications and publications
- Co-supervision of staff and students in the group at Bachelor, Master and PhD level
- Teaching undergraduate students & students at bachelor level in practical courses & seminars

Your profile:

- Good knowledge and practical experiences in several of the following techniques:
 - i) recombinant protein expression (in different host organisms) and protein purification
 - ii) biochemical and biophysical characterization of protein-protein and protein-ligand interactions (*e.g.* ELISA, SPR, ITC, DLS, NMR, x-ray crystallography, cryo-EM)
 - iii) Cell characterisation and analysis (*e.g.* cell culture, bright field and fluorescent microscopy, flow cytometry)
 - iv) Complement immunobiological assays
- Studies in natural sciences with a master's degree in biology, biochemistry, biotechnology, pharmaceutical studies or comparable
- PhD degree and proven track record of successful scientific work
- Reliable and structured way of working
- High motivation and willingness to perform

We are seeking a highly motivated and ambitious postdoc with a strong interest in innate immune functions and protein biochemistry. A strong motivation to utilise basic research as a starting point for the development of new immunological applications is desirable. We would welcome a colleague with excellent analytical qualifications, as well as profound organisation and communication skills. (Knowledge of German is helpful but not mandatory at first).

We offer:

- Highly interesting and up to date research questions
- Participation in several international cooperation-projects
- Membership in a motivated and young team
- Payment according to TV-L (100% of pay scale E13)
- Permanent employment may be possible in the future but is not guaranteed
- Several programs to promote professional training
- Possibility to obtain a 'habilitation degree'

To apply for a position please contact:

Professor Christoph Schmidt

Institute of Experimental and Clinical Pharmacology, Toxicology and Pharmacology of Natural Products

University of Ulm Medical Center (Director: Prof. Dr. Holger Barth)

Albert-Einstein-Allee 11

89081 Ulm

Germany

Please send your application to Christoph Schmidt **no later than November 24th 2023**.

E-mail: christoph.schmidt@uni-ulm.de

Please also visit our homepage at www.applied-immunology.com and www.uniklinik-ulm.de/pharmakologie-toxikologie.html

Handicapped people with equal qualifications will be employed preferentially. The University Medical Center Ulm aims to increase the proportion of women and therefore encourages qualified female to submit their application.
