

The Feucht lab at the University Hospital Tübingen offers exciting research opportunities and a position for a:

### PhD student (f/m/d) in CAR T cell therapy

The Feucht Lab (<https://www.feucht-leibold-labs.com>) aims at improving CAR therapies against cancer and non-malignant diseases. We leverage advanced technologies including CRISPR/Cas9 genome engineering, live cell imaging and cutting-edge omics to gain improved understanding into CAR biology and underlying mechanisms of responses and therapeutic failures. We apply clinically relevant models to develop enhanced therapies with the overall goal to translate our insights into improved patient care.

The Feucht lab is supported by the iFIT Cluster of Excellence (EXC2180) and an ERC Starting grant, providing excellent opportunities for training, mentoring and career development.

### Key publications:

Jain N\*, Zhao Z\*, Feucht J et al. TET2 guards against unchecked BATF3-induced CAR T cell expansion. *Nature* 2023. [Link](#)

Amor C\*, Feucht J\*, Leibold J\* et al. Senolytic CAR T cells reverse senescence-associated pathologies. *Nature* 2020. [Link](#)

Feucht J\*, Sun J\* et al. Calibration of CAR activation potential directs alternative T cell fates and therapeutic potency. *Nat Med* 2019. [Link](#)

### Your key responsibilities:

- Design, plan and conduct research experiments
- Establish novel assays and models
- Analysis, interpretation and presentation of research findings
- Contribute to grant writing, research reports and publications
- Scientific literature research and development of new ideas

### Your profile:

- Motivation, passion and excitement for science
- Diploma or Master's Degree (or equivalent) in biology, biochemistry, life sciences or related disciplines
- Practical experience in cell culture techniques, immunological assays and/or molecular biology
- Proficiency (oral and written) in English
- Creativity and thinking outside the box are encouraged
- Enthusiastic learning and collaborative working attitude
- Practical skills in animal experimentation (FELASA B or comparable) and/ or computational skills are a plus

### Benefits for you:

- An interesting and diverse job with an exciting high-profile research project in a highly innovative and impactful research field
- A dynamic and versatile workplace with a supportive and collaborative atmosphere, a highly motivated team and modern equipment
- Excellent training opportunities and close collaborations with partners in and outside of Tübingen
- Attend scientific conferences to build networks and present your research

- Living in one of the most enjoyable and ecological towns with a long history in academic excellence ([BBC](#) & [ZEIT](#)).

### **About Eberhard Karls Universität Tübingen**

The Eberhard Karls Universität Tübingen is an international and interdisciplinary research institution and has been awarded the status of a [University of Excellence](#). Tübingen houses three internationally recognized research clusters in cancer immunology ([iFIT](#)), machine learning and AI ([ML](#)), and infection medicine ([CMFI](#)). The University Hospital has a strong track record in translational research and houses innovative clinical centers (Comprehensive Cancer Center, German Cancer Consortium, National Center for Tumor Diseases).

### **How to apply:**

The start date for the position is July 2025. Severely handicapped persons with equal qualifications are given preferential consideration. The University of Tübingen is committed to increase the percentage of female scientists and therefore encourages women to apply for this position. Salary is paid according to TV-L (65% E13).

Please send your application forms including a cover letter, your CV as well as contact details for two references via e-mail (single pdf) or in written form to:

Judith Feucht, M.D.  
W2 Professor for Cellular Immunotherapies in Cancer  
Cluster of Excellence iFIT (EXC2180)  
Röntgenweg 11  
72076 Tübingen, Germany  
Email: [judith.feucht@med.uni-tuebingen.de](mailto:judith.feucht@med.uni-tuebingen.de)

The Cluster of Excellence (EXC2180) “Image-Guided and Functionally Instructed Tumor Therapies (iFIT)” is a multidisciplinary and interdisciplinary research program that focuses on understanding tumor biology and the development of novel diagnostic and therapeutic approaches for cancer.

The iFIT research group of Jun. Prof. Dr. Josef Leibold is looking for a

### **Postdoc (f/m/d) in Functional Immunogenomics.**

The Leibold Lab (<https://www.feucht-leibold-labs.com>), supported by an ERC Starting Grant and the iFIT Excellence Cluster, develops innovative therapeutic approaches for solid tumors. These include chimeric antigen receptor (CAR) T and NK cells combined with targeted therapies and immune-modulatory agents. By leveraging advanced technologies like CRISPR/Cas9 genome engineering and cutting-edge mouse models, the lab aims to restore immunosurveillance mechanisms and enhance immunotherapeutic strategies for late-stage and metastatic cancers.

#### **Key publications:**

Leibold J\*, Tsanov K\*, Amor C\* et al. *Somatic mouse models of gastric cancer reveal genotype-specific features of metastatic disease.* **Nature Cancer** 2024. [Link](#)

Paffenholz et al. *Senescence induction dictates response to chemo- and immunotherapy in preclinical models of ovarian cancer.* **PNAS** 2022. [Link](#)

Amor C\*, Feucht J\*, Leibold J\* et al. *Senolytic CAR T cells reverse senescence-associated pathologies.* **Nature** 2020. [Link](#)

Leibold J\*, Ruscetti M\*, Cao Z\* et al. *Somatic tissue engineering in mouse models reveals an actionable role for WNT pathway alterations in prostate cancer metastasis.* **Cancer Discov** 2020. [Link](#)

#### Your key responsibilities:

- Design, conduct and analyze research experiments
- Establish novel assays and models
- Interpret data, write manuscripts, and present findings at conferences and seminars
- Collaborate with internal and external partners (national and international)
- Supervise master candidates and PhD students

#### Your profile:

- A doctoral degree in Molecular Biology, Biochemistry or a related disciplines
- Practical experience in cell culture techniques and in the application of a range of molecular biology methods
- Passion for cancer research, immunology and biomedical research
- Creativity and thinking outside the box are encouraged
- Enthusiastic learning and collaborative working attitude
- Excellent written and oral communication skills in English
- Practical skills in animal experimentation (FELASA B or comparable) and/ or computational skills are a plus

#### Benefits for you:

- An interesting and diverse job with an exciting high-profile research project in a highly innovative and impactful research field

- A dynamic and versatile workplace with a supportive and collaborative atmosphere, a highly motivated team and modern equipment
- Develop an independent track record as part of your career growth
- Attend scientific conferences to build networks and present your research
- Fully funded postdoc position (remuneration according to TV-L salary scale 13)
- Living in one of the most enjoyable and ecological towns with a long history in academic excellence ([BBC](#) & [ZEIT](#)).

### **About Eberhard Karls Universität Tübingen**

The Eberhard Karls Universität Tübingen is an international and interdisciplinary research institution and has been awarded the status of a [University of Excellence](#). Tübingen houses three internationally recognized research clusters in cancer immunology ([iFIT](#)), machine learning and AI ([ML](#)), and infection medicine ([CMFI](#)). The University Hospital has a strong track record in translational research and houses innovative clinical centers (Comprehensive Cancer Center, German Cancer Consortium, National Center for Tumor Diseases).

### **How to apply:**

The earliest possible start date is May 2025 and the position is offered for 2 years with plans for further extension. Severely handicapped persons with equal qualifications are given preferential consideration. The University of Tübingen is committed to increase the percentage of female scientists, and therefore encourages women to apply for this position. The Administration of the University Hospital is responsible for all employment matters.

Please send your application forms including a cover letter, your CV as well as contact details for two references via e-mail (single pdf) or in written form to:

Josef Leibold, M.D.

Juniorprofessor for Functional Immunogenomics

Cluster of Excellence iFIT (EXC2180)

Röntgenweg 11

72076 Tübingen, Germany

Email: [Josef.Leibold@med.uni-tuebingen.de](mailto:Josef.Leibold@med.uni-tuebingen.de)