

**Postdoctoral Positions in
IMMUNOLOGY and/or BIOPHOTONICS
at the University of Freiburg (Germany)**

Several postdoctoral positions are available in the laboratory of Professor Lillemeier in the Institute of Biology III at the Albert-Ludwigs-University in Freiburg (Germany). Our group is interested in the regulation of lymphocyte activity and function during immune responses. Current research efforts are focused on the activating T cell receptor (TCR) and inhibitory PD1 pathways in T cells. We apply multidisciplinary approaches that combine cutting-edge fluorescence microscopy, biophysics, biochemistry and molecular biology to elucidate how protein conformations, modifications and assembly control signal transduction and thereby T cell activity. Newly identified molecular mechanisms are characterized and targeted in vivo, specifically in mice, to modulate anti-tumor responses and autoimmunity. Our goal is to determine the mechanisms potential as future drug targets for immunotherapies.

We encourage applicants from different areas of immunology, biology, physics and engineering with strong interest in immunology and/or cutting-edge fluorescence microscopy. Multiple projects are available to (1) study novel spatio-temporal mechanisms that control T cell activity and function; or (2) investigate novel strategies for immunotherapies that utilize the dynamics and conformations of T cell signaling molecules.

These positions require a qualified Ph.D. or doctorate and publication(s) in peer-reviewed journals.

We are particularly pleased to receive applications from women for the positions advertised here.

To Apply:

Please include a letter of motivation, a description of research accomplishments and future research interests (max. 2 pages), CV with publication list and 3+ contact details for referees in a single pdf file. Send your application in electronic or written form to:

E-Mail: miriam.vitt@bioess.uni-freiburg.de

or

Albert-Ludwigs-University Freiburg
Institute for Biology III
Molecular Immunology
Miriam Vitt
Schänzlestr. 1
79104 Freiburg
Germany