

Postdoctoral researcher position on the immunopeptidome of food allergens (m/f/d)

Department Chemie und Pharmazie, Erlangen, TV-L E 13, Vollzeit, Befristete Anstellung,
Bewerbungsschluss: 01.02.2025

Ihre Aufgaben

The project will focus on the analysis of the HLA-II presented peptides on antigen presenting cells after the exposure to different food allergens. Food processing effects on the immunopeptidome and the functional consequences for allergy or tolerance development are the main focus of this project. Within the project, food protein isolation, protein analysis, and cell culture experiments will be performed. A central part is the HLA-II immunopeptidome analysis via LC-MS/MS. We work together with the University hospital Erlangen and the Eberhard Karls Universität Tübingen.

Ihr Profil

Notwendige Qualifikationen:

- Experience with human primary immune cells
- Experience with multicolor flow cytometry
- Experience with the analysis of large datasets

Wünschenswerte Qualifikationen:

- Hands-on experience with high performance liquid chromatography
- Hands-on experience with the analysis of peptides using LC-MS/MS
- Experience with the isolation of proteins from complex matrices (e.g. food)

Stellenzusatz

Befristetes Forschungsvorhaben

The project will be supervised by Dr. Hannah Zenker. Applicants may send their application including the CV + list of publications, university degree, PhD certificate, and a letter of application to hannah.zenker@fau.de. For any questions related to the application please use the same e-mail address. We promote diversity and welcome applications from talented postdocs regardless of gender, nationality, ethnicity, sexual identity, or physical abilities.

Interessiert?

Die vollständige Stellenausschreibung sowie alle

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