

The Chair of Aroma and Smell Research at FAU offers a **PhD position**.

The position is funded for two years by the Emerging Field Project „Human body odours: exploring chemical signatures“. This project will be in cooperation with researchers of other disciplines at FAU, including data scientists, psychologists, and medical scientists. Regular exchange is planned within the consortium, and the project will be conducted in collaboration with another PhD student in the same lab.

Tasks:

- do regular literature research
- actively contribute to the research, in close collaboration with the supervisor and the consortium partners
- develop and validate methods to sample and analyse volatile compounds from the axilla
- recruit participants
- apply the methods to answer specific research questions
- qualitatively and quantitatively analyse odour compounds (gas chromatography-olfactometry/mass spectrometry), possibly synthesise odour compounds and standards
- scientifically evaluate and interpret the data, report to the supervisor
- publish and present the results
- support general lab activities, e.g., instruments and sensory evaluations

Your profile:

- Master of Science degree in chemistry, biochemistry, or similar fields
- Knowledge or prior experience in analytical chemistry, synthesis, or biochemistry
- Interest in interdisciplinary working and exchange, learning from other disciplines
- excellent communication and organisation skills
- fluent in written and spoken English and German
- Independent, motivated researcher with team player skills
- Interest in practical work in the lab
- Interest in statistics and data analysis methods

For additional information, please contact Helene Loos ([helene.loos@fau.de](mailto:helene.loos@fau.de)).

The position opens on April 1<sup>st</sup> (or later). Applications are accepted until closure of the announcement.

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Tasks:

- do regular literature research
- actively contribute to the research, in close collaboration with the supervisor and the consortium partners
- develop and validate methods to sample and analyse volatile compounds from the skin
- recruit participants
- apply the methods to answer specific research questions
- qualitatively and quantitatively analyse odour compounds (gas chromatography-olfactometry/mass spectrometry), possibly synthesise odour compounds and standards
- scientifically evaluate and interpret the data, report to the supervisor
- publish and present the results
- support general lab activities, e.g., instruments and sensory evaluations

Your profile:

- Master of Science degree in biochemistry, food chemistry, or similar fields
- Knowledge or prior experience in analytical chemistry, synthesis, or biochemistry
- Interest in interdisciplinary working and exchange, learning from other disciplines
- excellent communication and organisation skills
- fluent in written and spoken English and German
- Independent, motivated researcher with team player skills
- Interest in practical work in the lab
- Interest in statistics and data analysis methods

For additional information, please contact Helene Loos ([helene.loos@fau.de](mailto:helene.loos@fau.de)).

The position opens on April 1<sup>st</sup> (or later). Applications are accepted until closure of the announcement.

The Chair of Aroma and Smell Research at FAU offers a **PhD position**.

The position is funded for three years by the project „Nasal odorant metabolites: characterization and function in olfactory perception“. This project is a collaborative project with national and international research institutions.

Tasks:

- do regular literature research
- actively contribute to the research, in close collaboration with the supervisor, and collaboration partners from medicine and toxicology
- develop and validate methods to apply volatile compounds to human metabolically active sample materials, and to analyse volatile metabolites therefrom
- develop a testing protocol and setup, including setups with cell cultures
- recruit participants to donate human sample materials
- qualitatively and quantitatively analyse odour compounds (gas chromatography-olfactometry/mass spectrometry)
- synthesise odour compounds and standards, and evaluate their sensory properties
- scientifically evaluate and interpret the data, report to the supervisor
- publish and present the results
- support general lab activities, e.g., instruments and sensory evaluations

Your profile:

- Master of Science degree in chemistry, food chemistry, or similar fields
- Knowledge or prior experience in food chemistry, analytical chemistry, or synthesis
- Interest in interdisciplinary working and exchange, learning from other disciplines
- excellent communication and organisation skills
- fluent in written and spoken English and German
- Independent, motivated researcher with team player skills
- Interest in practical work in the lab

For additional information, please contact Andrea Büttner ([andrea.buettner@fau.de](mailto:andrea.buettner@fau.de)) or Helene Loos ([helene.loos@fau.de](mailto:helene.loos@fau.de)).

The position opens on May 1<sup>st</sup> or June 1<sup>st</sup>. Applications are accepted until closure of the announcement.