

# Isabel Dorst

## Innovation Assistant in the Science Team



Isabel Dorst works in the Science Team at BIOMES and specialises in nutrition topics and data analysis. After a bachelor's degree in biology at the University of Freiburg, which taught her the molecular interrelationships of a wide variety of processes in our bodies, she completed a further bachelor's degree in nutrition management and dietetics. She received her Master of Science in Nutritional Medicine at the University of Hohenheim-Stuttgart. These different perspectives on human health and nutritional physiology give her a particularly comprehensive knowledge of a wide range of nutritional issues.

Even before joining BIOMES, she worked extensively on the intestinal microbiome, for example in the context of her master's thesis on the hitherto hardly researched connection between the stool colour of infants and their intestinal microbiome. She also demonstrated her ability to work and think scientifically by working at the "Health Sciences" research centre at the University of Hohenheim in connection with scientific publications; she was also involved in studies at the Energy Balance Centre of the same university as part of an intervention implementation.

Isabel is fascinated by the uniqueness of each microbiome and the complex interplay of how our microbiome communicates with our body cells.

# Professional Experience

## 2021

Innovation Assistant in the Science Team of BIOMES NGS GmbH

## 2017-2020

Research assistant at the University of Hohenheim

## 2016 - 2020

Collaboration with non-smoking heroes

# Publikationen

- Master's thesis:  
Development of a bioinformatic tool to assess the neonatal gut microbiota in relation to stool color
- Bachelor's thesis:  
Effects of coconut oil on blood lipids and the resulting cardiovascular risk
- Bachelor'S thesis:  
Akute Exposition von Cx3cr1cre:Usp18fl/fl-Mäusen induziert einen vorübergehenden Anstieg von Mikrogliazellen

# Contribution to publications:

- Huber, I., Stressler, T., Zhang, Y., Mu, W., Nie, S., Jiang, B., & Fischer, L. 1st German-Chinese Symposium "Functional and healthy food ingredients generated through state-of-the-art biotechnology"–Outcome & Perspectives.
- Huber, Irene, et al. "Symposium report: emerging threats for human health–impact of socioeconomic and climate change on zoonotic diseases in the Republic of Sakha (Yakutia), Russia." International journal of circumpolar health 79.1 (2020): 1715698.