

THEDA U. P. BARTOLOMAEUS

POSTDOCTORAL RESEARCHER

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RESEARCH INTEREST

I am a full-stack systems biologist with profound practical experience in both wet lab platforms and bioinformatics, with a special interest in the effects of climate change on environmental microbiomes. I am also very passionate about science communication and public engagement.

SKILLS

Wet Lab (metagenomic sample collection/processing, qPCR, flowcytometry, 16S processing, animal work)

Dry Lab (data integration, statistical analysis, and data visualization in R, network co-occurrence analysis, longitudinal modeling, confounder analysis, machine learning)

Grant writing, project development and research collaborations (DAAD, DFG)

Science communication and supervision of Bachelor & Master students

EDUCATION

DOCTORAL STUDIES

Experimental and Clinical Research Center a joint venture of Max Delbrück Center for Molecular Medicine and Charité Univeritätsmedizin Berlin since 07/2019

Submitted in September 2023

Defended 18th of October 2024

Thesis project: Technical confounders in microbiome studies – examples from fecal and sputum microbiome research. Minimizing potential technical biases and facilitating clinical studies by developing new methods and tools.

Supervisors: Dr. Sofia K. Forslund-Startceva, Dr. PD Enno Klusmann, Dr. Lajos Markó

DIPLOM LEBENSMITTELCHEMIE STUDIES

Technische Universität Berlin, Berlin, Germany 10/2014 - 07/2019

Thesis: Comparison of Different Methods for the Analysis of Gut Microbiome Composition

Appraised: Prof. Dr. Hajo Haase

STATE-CERTIFIED TECHNICAL ASSISTANT FOR CHEMICAL AND BIOLOGICAL LABORATORIES

Lette Verein (Berufsausbildungszentrum, Stiftung des öffentlichen Rechts), Berlin, Germany 08/2011 - 06/2013

CAREER HISTORY

RESEARCHER

AG Müller/Dechend since 07/2024

Experimental and Clinical Research Center a joint venture of Max Delbrück Center for Molecular Medicine and Charité Univeritätsmedizin Berlin

RESEARCH ASSISTANT

AG Forslund since 07/2019

Experimental and Clinical Research Center a joint venture of Max Delbrück Center for Molecular Medicine and Charité Univeritätsmedizin Berlin

TECHNICAL ASSISTANT

Bilacon GmbH, Berlin, Germany 07/2013-09/2014

INTERNSHIP

Station biologique de Concarneau, Concarneau, France 01/2013-04/2013
Phylogenetic analysis of fish species (Leonardo da Vinci Program der EU)

THIRD PARTY FUNDING

VasBio - Biomarkers for Vascular Phenotypes CALL

71.100 Euro since 09/2024

FIRST TRANSLATIONAL STUDY CALL CLINICAL RESEARCH UNIT (CRU)

50.000 Euro since 07/2019