

RÉSUMÉ

PERSONAL INFORMATION

Date & place of birth 01.01.1990 in Noakhali (Bangladesh)
Nationality German and Bangladeshi
Family status Married, 3 children



BERUFSERFAHRUNG

Since 01.2026 **PhD Thesis Writing | Career Transition**

03.2022 – 12.2025 Uniklinik RWTH Aachen, Germany
Research Associate (PhD Student)
Project: Investigation of patient and cell characteristics of adipose stem cells with different osteogenic potential
Tasks: Isolation and differentiation of primary adipose-derived stem cells (human and mouse); protein quantification via ELISA; gene expression analysis by RT-qPCR; animal handling (mice and rats); substance administration, clinical observation, blood and organ collection, and execution of toxicological and histopathological analyses.

03.2021 – 09.2021 University of Leipzig, Germany
Research Associate
Projekt: Molecular control of G protein–coupled receptor signaling
Tasks: Molecular cloning (site-directed mutagenesis), PCR, gel electrophoresis, DNA transfection (Lipofectamine 2000), BRET assays, and fluorescence microscopy.

05.2020 – 05.2022 Helmholtz Centre Potsdam, Germany
Research Associate (part-time, remote)
Tasks: Creation and management of a literature database, development of web content, and database maintenance.

03.2019 – 05.2021 Charité – Universitätsmedizin Berlin, Germany
Student Assistant (part-time)
Tasks: Design and implementation of a process for centralized collection of animal experiment data; data analysis, evaluation, and presentation of experimental results; scientific literature research.

EDUCATION

11.2025 RWTH Aachen University, Germany
Master of Science (M.Sc.) in Laboratory Animal Science
Master's Thesis: Systematic review of animal studies on the effects of biological sex on ischemic stroke outcomes and mechanisms.

08.2020	University of Potsdam, Germany Master of Science (M.Sc.) in Toxicology Master's Thesis: Association between plasma polyphenol concentrations and the metabolic syndrome and its components: an analysis within the EPIC cohort
01.2014	Dhaka International University, Bangladesh Bachelor of Pharmacy (B.Pharm.)

FURTHER TRAINING

01.2026	TÜV SÜD Fundamentals of Good Laboratory Practice (GLP) Regulations
02.2025	Berlin Institute of Health (BIH), Germany Introduction to Systematic Reviews and Meta-Analyses of Animal Studies
12.2023	Institute for Laboratory Animal Science, Uniklinik Aachen, Germany FELASA Course, Function A (Carrying out procedures on animals) & D (Killing of animals)
06.2023	Berlin Institute of Health, Germany Introduction to Systematic Reviews and Meta-Analyses of Animal Studies
12.2019	German Institute of Human Nutrition Potsdam, Germany "Then and Now" – Nutritional Assessment: Experiences Across Europe
01.2018	Deutsches Institut für Ernährungsforschung Potsdam, Germany FELASA Course, Function A (Carrying out procedures on animals) & D (Killing of animals)
11.2017 – 01.2018	University of Potsdam, Germany Laboratory Animal Science and Methods of Animal Experimentation

FELASA CERTIFICATES

29.11.2025	FELASA LAS Specialist (including EU-Function A, B & D)
15.12.2023	FELASA course for Functions A & D
02.02.2018	FELASA course for Functions A & D

ADDITIONAL SKILLS AND COMPETENCIES

Languages	English, fluent (C1/C2) German, good command (B1), spoken and written
In-vitro	Primary cultures, ELISA, Western Blot, RT-qPCR, molecular cloning, toxicological assays, histopathology
In-vivo	Animal housing, substance administration, clinical observation, sample collection, anesthesia and surgery in mouse, rat, rabbit, and pig models
Regulatory	Animal welfare (Directive 2010/63/EU), OECD and ICH guidelines, MDR, REACH
Word processor	Microsoft Word, PowerPoint

Data Analysis	Excel, GraphPad Prism, and R (RStudio) using packages such as dplyr, ggplot2, metafor, etc.
Driver's License	Class B
Hobbies	Learning new things, reading non-academic books, writing on a personal blog, and cooking for the family

 PUBLICATIONS

- 2024 **Sattar MA**, Lingens LF, Guillaume VGJ, Goetzl R, Beier JP, Rühl T. Association between Donor Age and Osteogenic Potential of Human Adipose Stem Cells in Bone Tissue Engineering. *Curr Issues Mol Biol.* 6. Feb. 2024;46(2):1424–1436. doi:10.3390/cimb46020092. PMID:38392210
- 2025 Vojvodic, S., McCann, S., Rackoll, T., & **Sattar, A.** (2025). Protocol – Sex differences in vivo. <https://doi.org/10.17605/OSF.IO/TVP25>

Aachen, 08.01.2026



MD ABDUS SATTAR