

LISA-CAMILLA MUTZBERG

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OBJECTIVE

Internship in scientific research and laboratory work at the Cheetah Conservation Fund in Otjiwarongo, Namibia

PROFILE

Bachelor student of bioengineering with scientific and laboratory work experience. German national. German and international driver's license.

SKILLS AND COMPETENCIES

- Highly motivated, friendly, open-minded, responsible, reliable, eager, and flexible
 - Excellent interpersonal, communication, analytical, technical, organizational, and problem-solving skills
 - Quick learner with good eye for detail and a results focused work ethic
 - Working well independently and as part of a team
 - Mother tongue German, fluent in English, and basic knowledge of Spanish
 - Intermediate knowledge of Microsoft Word and Excel, MATLAB, and NCBI data bank
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WORK EXPERIENCE

Helios University Hospital Wuppertal, Germany

02/19

Intern at the Institute for Pathology and Molecular Pathology

- Worked on a validation project and validated 5 microsatellite markers, prepared master mixes with different primers for polymerase chain reactions (PCRs), prepared agarose gels, analyzed probes by QiaXcel capillary electrophoresis, and evaluated electropherograms
- Gained insight into the area of molecular pathology including PCR, real-time PCR, mutation analysis using pyrosequencing, methylation analysis, fluorescence in-situ hybridisation (FISH), pathogen detection using PCR and LCD chip technology, agarose gel electrophoresis, polyacrylamide (PAA) gel electrophoresis, and next-generation sequencing technology

Helios University Hospital Wuppertal, Germany

06/18 – 07/18

Intern at the Institute for Pathology and Molecular Pathology

- Assigned incoming patient probes to patient documents and forwarded them to doctors and scientists
 - Cast blocks of paraffin-embedded tissues and archived paraffin blocks
 - Prepared colored and buffer solutions
 - Applied histological staining methods including Prussian blue, HE (Mayer), Elastica van Gieson, ABVG, Giemsa, modified Giemsa, alcian blue PAS as well as periodic acid-Schiff reactions
 - Assisted in the field of cytology
 - Gained insight into the area of molecular pathology including PCR, mutation analysis using pyrosequencing, fluorescence in-situ hybridisation (FISH), pathogen detection using PCR and LCD chip technology, agarose gel electrophoresis, preparation of agarose gels, and QiaXcel capillary electrophoresis
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EDUCATION

Rhine-Waal University of Applied Sciences, Kleve, Germany

since 09/18

Faculty of Life Sciences

- Bachelor student of bioengineering
- Anticipating Bachelor of Science (B.Sc.) in bioengineering in 02/22
- Language of instruction: English
- Modules so far with laboratory work: cell biology and microbiology, genetics and molecular biology, applied microbiology, bioengineering physics, bioprocess engineering, biochemistry, fundamentals of chemistry, applied chemistry, physical chemistry, basics of physics, measurement and control engineering
- Modules so far without laboratory work: agricultural biotechnology, biofuels, biopolymers, medical bioengineering, enzyme engineering, process engineering, mathematics and statistics, applied mathematics, basics of economic sciences, basics of management, applied management, instrumental analytics, scientific writing, project work

Erich-Fried-Gesamtschule, Wuppertal, Germany**08/15 – 07/18**

- Attended comprehensive school
- Graduated with German Abitur (University entrance qualification)

Friedrich-Bayer-Realschule, Wuppertal, Germany**08/09 – 06/15**

- Attended secondary school
- Specialization in grade 7 - 10: biology
- Received General Certificate of Secondary Education

Hatzic Middle School, Mission, BC, Canada**08/13 – 06/14**

- Attended middle secondary school at that time
- Received Certificate of Enrollment for successfully completing international studies
- Courses: English, science, foods and nutrition, planning, foundations of math and pre-calculus, social studies, visual arts, and physical education

HOBBIES

Travelling, sports, cooking, baking, and meeting with friends

REFERENCES AVAILABLE UPON REQUEST