

Sumari Venter



CONTACT INFORMATION

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PROFESSIONAL PROFILE

I am an MSc candidate currently studying at the University of Pretoria. I am hardworking, detail-oriented, and open to learning and acquiring new skills. Learning from challenging situations can make me a better leader, listener and student. I take a friendly and optimistic approach to any problem I face and know that asking for help when needed is crucial to any success story.

EDUCATION

MSc Genetics candidate

2021-current

University of Pretoria

BScHons Genetics

2020

University of Pretoria

- One year degree focused on research training and included:
 - Scientific communication
 - Planning and execution of a research project
 - The conceptualisation of a research idea
- Training in basic lab protocols and safety
- Individual and group work orientated courses

BSc Human Genetics

2017 - 2019

University of Pretoria

- Undergraduate degree with final year modules focusing on genetics and biochemistry
 - Cumulative GPA: 74.51%
 - Undergraduate cum laude

Matric

2012 - 2016

Hoërskool Noordheuwel

- 8 distinctions

- Served on the student council from 2012 to 2016

AWARDS

- Member of the Golden Key International Honour Society since 2017
- Best oral presentation in the nematode division at the 2022 meeting of the Society for Invertebrate Pathology

WORK EXPERIENCE

Carpenter and Sons 2015

Part-time salesperson

- Engaged with customers selling custom-made décor steel items
- Improved my communication and listening skills

University of Pretoria 2020-2021

Faculty of Natural and Agricultural Sciences

First-year student demonstrator 2020

- Mentor first-year students in the GTS 161 course (Introductory genetics 161)

Third-year student demonstrator 2021-2022

- GTS 351: Assisting with the marking of semester tests, assignments and helping during tutorial sessions (2021)
- GTS 367: Assisting with the marking of semester tests, tutorials and examinations (2022)

First-year student senior demonstrator 2022

- GTS 161: Assisting with tutorials, marking of semester tests and examinations

Work hours at the biological control facility at the University of Pretoria 2022

- 6 months of assisting with administrative duties, lab work and physical labour outdoor duties

SKILLS

Communication

- Experience in communication of research findings at a scientific conference using a poster
- Able to present and defend project proposals in oral presentations and written format
- Can actively communicate my thoughts and opinions in a group setting and individually
- I am bilingual and can communicate and write in English and Afrikaans
- Attended research seminars and gained insight into how to share results and ideas

Computer literacy

- Have skills in computer analytics using bioinformatics to analyse and interpret data
- Proficient in Microsoft Word, Excel, Access and PowerPoint presentations

- Advanced research techniques and analytical approaches (population genetics in R studios, databases and sequence and genome analysis)

Work ethic

- Hard worker
- Attention to detail
- Planner
- Dedication to finish something that I started
- Organised
- Punctual
- Curious
- Detail orientated
- Open-minded
- Critical thinker
- Meticulous

Laboratory

- Techniques training showed me how to use equipment in a molecular genetics laboratory
- Gained experience in the laboratory during my honours research project
- RNA and DNA extractions
- PCR reactions
- Laboratory safety training

Research

- Able to write up a research report of results obtained in the laboratory and data analysis programs
- Completed a statistical genetics course to interpret significant statistical results
- Able to conceptualise a single idea into a complete research proposal
- Have experience on how to work on multiple projects simultaneously
- Attended the South African Genetics Society (SAGS) Bio2022 hybrid conference (25-27 April 2022).
- Attended the International Congress on Invertebrate Pathology and Microbial Control hosted by the Society for Invertebrate Pathology (SIP) (1-4 August).

References

1. Prof Bernard Slippers – Honours and MSc research project supervisor
 - University of Pretoria, The forestry and Agricultural Biotechnology Institute
 - bernard.slippers@up.ac.za
2. Ms Alisa Postma Smidt- Honours research project mentor
 - University of Pretoria, Centre for Bioinformatics and Computational Biology
 - alisa.postma@fabi.up.ac.za
3. Prof Brett Hurley
 - University of Pretoria, Department of Zoology and Entomology
 - brett.hurley@fabi.up.ac.za
4. Prof Martin Coetzee
 - University of Pretoria, Department of Biochemistry, Genetics and Microbiology
 - martin.coetzee@up.ac.za