

MISS LICHÉLLE RENSCHE GROBLER

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PERSONAL INFORMATION

Female, Single
Student no: 13064895
Born 6th March 1993, Age 24
South African citizen, ID: 9303060020087
Proficient in English and Afrikaans

CONTACT DETAILS

Current: 472, 23rd avenue, Pretoria, South Africa
Domicilium: 61 Walden crescent, Clearwater Flyfishing Estate, Rietvalleirand, Pretoria, 0174
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EDUCATION

Windhoek High School

<i>MATRIC / GRADE 12</i>	<i>31/10/2011</i>
Subjects:	
Biology HIGCE	1
Physical Science HIGCE	1
Mathematics HIGCE	1
Accounting HIGCE	2
Afrikaans HIGCE	2
English HIGCE	2

University of Pretoria 01/2013-12/2015

Undergraduate Studies: B.Sc. Biotechnology degree – completed Cum Laude (75.38%) *2015*
Specialization in Plant Science and Plant Pathology

University of Pretoria 2016-2017

Postgraduate Studies: B.Sc. (Honors) Biotechnology – completed Cum Laude (77.0%)
Research: Genetic analysis of the Maize-Exserohilum turcicum pathosystems

University of Pretoria current

Postgraduate Studies: M.Sc. Biotechnology – to complete December 2019

*Research: CRISPR-cas9 mediated mutagenesis of a selected cysteine protease in *Nicotiana benthamiana* to increase heterologous protein yield.*

AWARDS, GRANTS & AFFILIATIONS/MEMBERSHIPS

Elected on Learner Representative Council (Prefect) of Windhoek High School Namibia	2011
Member of Postgraduate research institute: Forestry & Agricultural Biotechnology Institute	2016
<u>For high academic achievement:</u>	
Received B.Sc degree with Cum Laude (distinction = above 75% average)	2016
Received Golden Key Society membership	2014 – Current
Received a National Research Foundation grant worth R8000	2015
Received a National Research Foundation grant worth R20000	2016
Received B.Sc (honours) with Cum Laude (distinction = above 75% average)	2017
Received a CSIR-DST bursary worth R84 000	2017
Received a private bursary from Monsanto worth R21 500	2017

RELATED EXPERIENCE

University of Pretoria

Part Time: Laboratory Assistant 03/2014-08/2015

Department of Plant Science – Assisting PhD students in their plant pathology projects

Lab duties such as cleanups, utilizing lab equipment

Experimental work: Isolations, autoclaved and poured various types of growth media, prepare fungal cultures and bacterial counting and dilution series.

University of Pretoria

Part Time: Plant Biotechnology Internship 04/2015-10/2015

Department of Plant Science – Mini research project: Mating type PCR (SSR) of *Exserohilum turcicum* on Maize isolates.

OTHER EXPERIENCE

Windhoek High School Namibia

Part Time: Treasurer: Learner Representative Council 04/2015-10/2015

Bookkeeping and managing of donations and collections of funds designated for school projects, keeping a kiosk.

Fountain of Health

Sales Assistant 09/2012-12/2012

To raise funds for my planned studies, I worked full time promoting, selling, stocking and cashier work for Health products and services (Adeva) at a Doctor's practice and outlet

Gap year Australia*Traveler*

05/2012-07/2012

To make better life choices and develop a balanced outlook on life, I opted to travel on a sponsored visa to Australia for 3 months after matriculation.

I enlisted in several part-time jobs doing filing, admin, sales, and waitressing over the years in order to financially support myself

LANGUAGES

English – I am highly proficient in English as it is the National Language of Namibia and one of the National Languages of South Africa

Afrikaans – speak fluently and read/write with proficiency

SKILLS

Computer Literacy – High

- Experienced in MS-Windows, MS-Word, MS-Excel and MS-PowerPoint.
- Ability to read, comprehends, and interprets technical text, drawings and charts.

Typing Skills – High

Administrative Skills – High

Table 1: Laboratory and Research Skills

(micro) Pipetting	Chromatography (TLC and column)
Isolation of fungal and plant genomic DNA	Solution preparation, use of pH meters
Isolation of plant RNA	Thorough understanding of laboratory safety
DNA and RNA purification and nano-drop quantification	Clean and organized work bench
Primer design	Standard aseptic techniques
cDNA synthesis	Team Player and Highly motivated
Basic PCR, mating type (SSR) PCR and RT-PCR	Good communication and interpersonal skills
Transformation of plant tissue	Preparation and sterilization of various media
Plasmid Isolation	Pure culture plating and streaking methods
Polyacrylamide (SDS-PAGE) and agarose gel electrophoresis	Able to work in fast paced, results oriented environment
Transformation of E. Coli, in vivo amplification of plasmid DNA	Selection of bacterial mutants (blue-White selection)
Recombinant DNA technology	Raw sequence analysis and assembly
Ligation reactions	UV/VIS Spectrophotometry
Restriction enzyme digestion	Differential centrifugation
Protein purification	Light microscopy
Titration	

PERSONAL INTERESTS

I strive to have a healthy body and mind by finding balance between academics and general life

My interests thus far:

Ball Room and Latin Dance

- Bronze Level 1 (80%) January 2008
- Bronze Level 2 (87%) November 2008
- Trophy for All-Round Best Performer March 2010
- Windhoek Dance Championships 78% March 2011
- Gold Medal Windhoek Dance Championships 2011

I received tutoring and classes in Singing 2009

I regularly exercise and currently do training in pole-fitness 2017

REFERENCES

CSIR – Dr. Priyen Pillay (Dept. Biosciences – Cell: +27-72-2616507)

CSIR – Dr. Maretha O’Kennedy (Dept. Biosciences – Cell: +27-82-7079533)

University of Pretoria – Prof Jacquie van der Waals (Dept. Plant Science – Tel: +27-12-4204065)

University of Pretoria – Dr Bridget Crampton (Dept. Plant Science – Cel: +27-827894595)

University of Pretoria – Miss Brigitte Langenhoven (Dept. Plant Science – Cel: +27-828259876)

University of Pretoria – Miss Alandie Nieuwoudt (Dept. Plant Science – Cel: +27-825690495)

Fountain of Health - Dr. Heidi Rapp (Owner – Tel: +26461-252115)

C’est la vie – Mrs. Barnard (Tel: +27-12 654 0220)