**Rudi Pretorius**

Curriculum Vitae

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**Personal Profile**

I am in the final phases of completing a post-graduate Master’s degree in Microbiology at the University of Pretoria. Being a skilled and self-motivated person, I value the benefits of exceptional work ethic and strive to complete tasks efficiently and thoroughly. As part of various research groups during my post-graduate studies, I developed the ability to work independently or as part of a group and can communicate my thoughts effectively to a team. I believe that my practical approach to problem solving, coupled with sound research and writing skills, will be very valuable in the work environment. Technology and advances in the biological sciences inspire and motivate me, and I look forward to a career in this exciting field.

**Personal Information**

First name: Gustav Rudolph

Last name: Pretorius

Date of Birth: 08/12/1988

Sex: Male

Marital Status: Single

Nationality: South-African

Criminal Offences: None

Health: Excellent

**Skills**

* Computer Literacy: Microsoft Word; -Excel; -Power Point
* Other software: CLC BIO main workbench v 6, Sony Vegas Movie studio
* Internet: Proficient academic and solution based online research
* techniques: Gel electrophoresis, Recombinant DNA creation, enzymatic assays, PCR, virulence determination
* Languages: Afrikaans (Fluent), English (Fluent)

**Education and Qualifications**

* **Post graduate degree program: Master of Science Degree in Microbiology(MSc. Microbiology)**

University of Pretoria, Pretoria, South Africa

Date: Ongoing [Final laboratory stages]

* **Post graduate degree program: Honours Bachelors of Science in Microbiology (BSc (HONS) Microbiology)**

University of Pretoria, Pretoria, South Africa

Date: 2010

Modules completed:

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| --- |
| General research methodology BAS(751) |
| Virology (MBY 751) |
| \*Applied Biotechnology (MBY 752) |
| \*Microbial Systematics (MBY 753) |
| \*Prokaryote Molecular Biology (MBY754) |
| Advanced Techniques in microbiology (MBY 755) |
| \*Research Project (MBY 756) |
| Literature Review (MBY 757) |
| Molecular and Cellular Biology (MLB 721) |

\*Modules passed with distinction

* **Graduate degree program: Bachelors of Science in Microbiology(BSc Microbiology)**

University of Pretoria, Pretoria, South Africa

Date: 2009

Modules completed:

|  |  |  |
| --- | --- | --- |
| **First Year** | **Second Year** | **Third Year** |
| Computer, Information and Academic Literacy (CIL 111&121; EOT 110&120) | Introduction to proteins and enzyme (BCM 253) & practical (BCM 254) | \*Immunobiology (BCM 355) |
| Biometry (BME 120) | \*Carbohydrate metabolism (BCM 255) & Practical (BCM 256) | \*Genomes (GTS 352) |
| Plant Biology (BOT 161) | \*Lipid and Nitrogen Metabolism (BCM 263) & Practical (BCM264) | Structure and Diversity of Viruses (MBY 351) |
| General Chemistry (CMY 117 & CMY 127) | \*Biochemistry in Perspective (BCM 265) & Practical (BCM 266) | \*Environmental Biology (MBY 352) |
| Science and World views (FIL 155) | South African Flora and Vegetation (BOT 251) | \*Vertebrate-Microbe interaction (BMY 353) |
| Introductory Genetics (GTS 161) | Plant Biochemical Evolution (BOT 261) | Trend in Microbiology (MBY361) |
| Introduction to Microbiology (MBY 161) | \*Gene and Chromosome organization (GTS 251) | Food Microbiology (MBY362) |
| \*Molecular and Cell Biology (MLB 111) | \*Genetic analysis and Manipulation (GTS 261) | Molecular Biology of Prokaryotes (MBY 363) |
| Mathematics (WTW 134) | Growth Diversity and Control of Bacteria (MBY 251) | Genetic manipulation of Microbes (MBY 364) |
| Medical Terminology (MTL 181) | Growth activity and control of Fungi (MBY 261) |  |
| General Physics (PHY 131) | Invertebrate Biology (ZEN 251) |  |
| Animal Diversity (ZEN 161) | African Vertebrates (ZEN 261) |  |
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\*Modules passed with distinction

* **National Senior Certificate (Grade 12)**

Oos-Moot High School, Pretoria, South Africa

Date: 2002 - 2006

Subjects: Afrikaans, English\*, Mathematics, Biology\*, Computer Studies\*, Physical Science

\*Subjects passed with distinction

**Courses**

* Certificate course in Bio-entrepreneurship

University of Pretoria, Pretoria, South Africa

Date: 2011, Augustus

**Work Experiences**

* **Mentor**

University of Pretoria 2012-2013

Duty: To mentor and guide undergraduate students through completing tasks in a laboratory environment, and give support in questions they may have considering course work.

* **Lab assistant**

HPI lab, Department of Microbiology and Plant Pathology, University of Pretoria

Date: July-November 2012

Duties:

* Biological sample acquisition
* Laboratory isolation and identification of bacteria from samples
* **Tutor for Undergraduate modules**

University of Pretoria

* + MLB 111 (Molecular and Cell Biology): 2012, January – July
  + MBY 161(introduction to Microbiology) 2010, July - December
  + MBY 261 (Growth activity and control of Fungi): 2012, January – July

Duties : Demonstrating correct laboratory techniques to students as well as assisting students in understanding concepts within their coursework

* **Salesman**

In2Sport Cricket and Hockey Pro shop

Date: 2011 - 2012

Duties: Sale of Hockey related equipment

* **Assistant**

Dr. J van Niekerk & Kie (Doctors’ consulting rooms)

1319 Walter Avenue, Waverley, Pretoria, South Africa

Date: 2008- 2011

Duties:

* + - Pharmacy assistance with medicine labelling and packaging
    - IT and Technical support of computer network
* **Hockey Coach**

High school Oos-Moot, Pretoria

* + 1st team boys 2008
  + 2nd team girls 2008 - 2009

**Honours and Awards**

* Academic Honorary Colours for Bsc (Hons): Microbiology - April 2011
  + University of Pretoria

**Extra-Curricular Activities and Interests**

* Field hockey
  + Old Albanians Hockey Club, Pretoria

Date: 2009-2010

* AS eagles Hockey Club, Pretoria

Date: 2011-2012

* + Oos-Moot High School, Pretoria

Date: 2002 - 2006

* Hiking
* E-sports

**References**

**Character references**

* Miss R (René) Smit

Post graduate student (Hons): GIS

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* Dr. L (Lucy) Moleleki

Lecturer, Department of Microbiology and Plant Pathology at the University of Pretoria

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* Prof. J. Theron

Proffesor, Department of Microbiology and Plant Pathology at the University of Pretoria

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**Working reference**

* Ms Jeanne Smit

Manager at Dr. J van Niekerk & Kie

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**Friend**

* Mr E (Eloff) Theron

Dentistry student

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