

Modishe Kgomotso Maila

Biotechnology post-graduate

99-20th avenue, Alexandra, 2090

Mobile: 076 738 0917 Email: Kgomotso.maila@gmail.com

Personal profile

I am a multi-lingual university post-graduate with good laboratory techniques and strong communication skills seeking a work placement. I have acquired experience in chemistry, molecular biology, microbiology and familiar with ISO 9001 and ISO 14001. I am a well-presented, focused, team player, good all round performer with the ability to work effectively and efficiently.

I am currently looking for a suitable position in an organization that can offer a uniquely varied and fascinating working environment with an opportunity to further grow and develop my existing skills.

Personal

Driving licence: Yes

Nationality: South African

Languages: English, Sepedi, Zulu

Academic qualifications

Bachelor of Technology (BTech) in Biotechnology

University of Johannesburg 2012 – 2013

National Diploma (ND) in Biotechnology

Cape Peninsula University of Technology (CPUT)
2008 – 2011

Senior Certificate (Grade 12)

Passed with endorsement
Realogile Secondary School
2006

Areas of expertise

Good Laboratory/ Manufacturing Practices
Quality assurance
Implementing Action Plans
Identifying Opportunities

Work experience

Radiopharmaceutical

South African Nuclear Energy Corporation SOC (NECSA)

March 2015 – March 2016

Inventory management, ordering of new chemicals, writing reports and presenting of results, writing ethical applications, preparing chemicals and cleaning the lab. Conducted research aimed at the development of radiopharmaceuticals for treatment of diseases. Carried out the project aimed at the synthesis of Aspalathin and radiolabeling of Carbon 14.

Microbiologist

Lesel Research (Pty) Ltd

Feb – July 2014

Determining the presence of microbiological contamination in cosmetics, toiletries and household products. Ensuring correct GLP's and SOP's are followed.

Student Assistance

Laser Research Centre, University of Johannesburg

March – December 2013

Assisting masters and PhD students with their research projects by preparing reagents and setting up the equipment they need. Inventory management of LRC laboratory, assisting with general administration and cleaning the lab. I also carried out a B-Tech project with LRC looking at the effects of low intensity laser irradiation (LILI) in colorectal cancer cells and DNA methylation status.

Laboratory Analyst

Microchem Specialized Lab Services

September 2010 – June 2011

Determining nutrition value in Foodstuffs and testing the amount of chemicals in water samples.

Laboratory technician

Cape Peninsula University of Technology (CPUT)

June – September 2010

Preparing chemicals, reagents and setting-up the equipments required during practical sessions for students. Demonstrate the techniques used in the laboratory and cleaning when the practical sessions are finished. Ensuring that all equipments and chemicals used during practical sessions are correctly stored and those needed to be discarded or sterilised are done so.

Competency areas

Tissue Culture and Microorganism Culturing, PH Measurements, Acid/Base Titration, Protein Analysis, Lipid Analysis, Graphing, Carbohydrates Analysis, Identification of Microorganisms, Enzyme Production, Enzyme Activity Measurement, Wine Fermentation, Milk Fermentation, The Use of HPLC and GC, Microscope, Streak Plate Technique, Serial Dilution, Pipetting Technique. Preparation of Buffers and other Solutions, How to Properly Use and Maintain Laboratory Equipment, Maintaining Sterile Conditions/Environment and Working well in a Laminar Air Flow, Working Safely with Biological Samples, Working Safely with Radioactive Materials, DNA Purification, RNA Purification, Proper Use of Restriction Endonucleases, PCR and RT-PCR, Electrophoresis, Gels preparation, Western Blotting, Nucleic acid Hybridization, Bacteria and Eukaryotic Expression System. Bioreactor Set-up, Weighing of Samples, The Use of Auto-dispenser, Internal Standards Preparation, Addition of Internal Standards, Mixing of samples, Waterbath and Incubator Verification, Use of Waterbath and Incubators, Balance Verification, Verification of Fridges and Freezers.

References

Dr. M. Sonopo (Supervisor)
Senior Scientist: Radiochemistry, Necsa
Tell: 012 305 5674
Cell: 0792696376
Email: molahlehi.sonopo@necsa.co.za

T.Mahlatse (Supervisor)
Senior microbiologist
Lesel Research (Pty) Ltd
Tel: 011 654 9000
Fax: 011 805 5145
Cell: 073 211 6391
Email: mahlatset@lesel.co.za

Prof. H. Abrahamse
President: World Association for Laser Therapy (WALT)
Head: Laser Research Centre
Faculty of Health Sciences
University of Johannesburg
Tel: 011 559 6550
Fax: 011 559 6884
Email: habrahamse@uj.ac.za

K.S Stungu (Supervisor)
Microchem Specialized Lab Services
Telephone: 021 465 6996
Cell: 072 315 7605

Dr SKO Ntwampe (Lecturer)
Cape Peninsula University of Technology
Tel: 021 460 3430
Fax: 021 460 3193
Cell: 082 730 2068
Email: ntwampes@cput.ac.za