

DEPARTMENT OF MICROBIAL, BIOCHEMICAL AND FOOD BIOTECHNOLOGY
APPLICATION FOR POST-GRADUATE STUDY IN MICROBIOLOGY, BIOCHEMISTRY,
BIOTECHNOLOGY OR FOOD SCIENCE

TITLE and SURNAME: _____ **FIRST NAMES:** _____

POSTAL ADDRESS (ES): _____

(for period up to mid-December) _____

CONTACT TEL: (____) _____ **MOBILE:** _____ **FAX** (____) _____

NATIONALITY: _____ **E-MAIL:** _____

STUDENT NUMBER (UFS): _____ **I.D. NO:** _____

The degree you wish to follow: _____

(e.g. M.Sc., Ph.D.)

In which discipline: _____

(Microbiology, Biochemistry, Biotechnology or Food Science)

Specific field of research interest: _____

(Indicate first and second choices as well as name of supervisor, if known)

- **Microbial Diversity:** We find and describe yeasts, bacteria and archaea from everyday environments to extreme habitats. Who knows what these amazing organisms can teach us?
- **Human and Animal Health:** Understanding pathogenic microbes as well as the biochemistry of certain non-infectious diseases will improve treatment and lead to a better quality of life.
- **Drugs and Vaccines:** Rational drug and vaccine design in the department focuses on infections and diseases affecting humans, animals and plants.
- **Green Chemistry:** Microorganisms or enzymes are used to produce chemicals that can be used for renewable feedstocks, produce less pollution, are more energy-efficient and more specific.
- **Food Science:** Research topics include quality from farmer to the consumer, product and process development or improvement, the biochemical or chemical changes during food processing, microbial spoilage and safety of food.

Previous degrees: _____

(Curriculum vitae and full study record to be included; **not necessary if previous degrees were awarded by UFS;**

If previous degrees were obtained from a non-South African university, a **SAQA-evaluation certificate** might be requested prior to final selection; you will be informed if required.)

University: _____ **Student number:** _____

If your previous degrees are not in Microbiology, Biochemistry, Biotechnology or Food Science, please supply information concerning any practical experience that you may have in these disciplines:

Email application to Prof. Trudi O'Neill at oneillhg@ufs.ac.za. Postal address: Department of Microbial, Biochemical and Food Biotechnology, University of the Free State, P.O. Box 339, Bloemfontein 9300, South Africa.

Further info is available at <http://www.ufs.ac.za/biotech>