



# BIOCIDE TOOLBOX NEWSLETTER

Volume 1, Issue 3

January 2015

## THE MICROBIOLOGY TEAM



**MICROBIOLOGY LEADER  
DR SIMON SWIFT**

*"Microbes can cause all sorts of problems in our environment; we want to stop them. In our laboratories, the research team wants to understand how biocides work at the molecular level, so they can be improved. We also test how biocides work in model systems that mimic the real world so we can be confident the antimicrobial solutions we develop in the laboratory will be fit for purpose."*

Dr Simon Swift has a BSc(hons) and PhD from the University of Nottingham, UK, and research experience in pharmaceutical and biomedical science. He joined the Department of Molecular Medicine and Pathology at the University of Auckland in 2001.

Simon has a background in microbiology and molecular biology, with his current research focuses on biofilms in infection, antimicrobial surfaces, rapid methods for microbial detection and bioremediation.

Dr Swift is the leader of the Microbiology team of the Biocide ToolBox programme, also including Dr Siouxsie Wiles, Assoc Prof Silas Villas-Boas and Dr Filipa Silva.

With BTB, Simon looks forward to helping biocide-related New Zealand companies grow thanks to targeted quality scientific research.



**DR SIOUXSIE WILES, MEDICAL MICROBIOLOGIST**

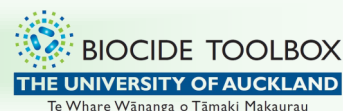


**ASSOC PROF SILAS VILLAS-BÔAS,  
NATURAL BIOLOGICAL PRODUCTS**



**DR FILIPA SILVA, ENGINEERING MICROBIOLOGIST**

## MICROBIOLOGY FACILITIES



**FACULTY OF MEDICAL & HEALTH SCIENCES**



**MOLECULAR MEDICINE & PATHOLOGY DEPARTMENT**

Molecular Medicine and Pathology (MMP) is a modern department, fully equipped to undertake research in cellular and molecular biology, genetics and laboratory medicine. MMP has an outstanding reputation and a rich heritage to build on. The Infection and Immunity laboratory is equipped with a wide variety of instruments essential for microbiology, tissue culture,

molecular biology, biochemistry and animal testing. The facilities also include a state-of-the-art high containment PC3 (Physical Containment Level 3) laboratory which supports critical research looking into the treatment of infectious diseases. This PC3 lab was awarded the top prize, the Gold Award of Excellence, at the INNOVATE NZ Awards in 2013.

**PC3 LAB**



BTB supported by MBIE



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INNOVATION & EMPLOYMENT**  
HIKINA WHAKATUTUKI

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