

## The First Stellenbosch University African Microbiome Workshop

Stellenbosch, November 28<sup>th</sup>-29<sup>th</sup> 2019

### Day 1: Workshop: Microbiome Analytical Techniques

#### Thursday, November 28

**Venue:** Stellenbosch University, STIAS, Stellenbosch

**Venue info:** <https://stias.ac.za/>

**Cost:** R1200

**Intended Audience:** Researchers who want to start analysing their data with Qiime 2 or simply want to know more about the process.

The course will run through a basic Qiime 2 tutorial which should enable new users to complete a basic analysis of their own data and how to start with more advanced analyses.

**Online Registration Link:** <https://forms.gle/xRtgCVPfUXoVAvVKA>

*Please note: No CPD points or certificate of attendance will be issued*

08:30 Registration

09:00 Introduction: Riaan N de Witt, Centre for Bioinformatics and Computational Biology

09:30 The microbiome

10:00 Morning break (30 min)

10:30 Connect to HPC

11:30 Core concepts

12:00 Lunch break (1 hour)

13:00 Standard workflow tutorial: Importing data

13:30 Sample processing

14:00 Alpha & Beta diversity

15:00 Afternoon break (30 min)

13:30 Taxonomy

16:30 Local install

#### Day 2: Friday, November 29

## **Workshop: Microbiome Analytical Techniques *continued***

08:30 Course review

09:00 Additional analyses: Differential abundance

10:00 Morning break (30 min)

10:30 Review of commands; download data.

11:30 Questions and discussion

12:00 End workshop, start Symposium

## **Day 2: Friday afternoon, November 29 – Symposium at STIAS**