



# Workshop: Exploratory Data Analysis and Modelling in R with Microbiome Applications

**22-26 August 2022**

Nelson R. Mandela School of Medicine, University of KwaZulu-Natal

**Registration Deadline: 7 August, 2022**

**No course fee- must bring laptop**

This intensive, hands-on workshop will use microbiome data as a backdrop to learn R. The workshop will feature morning & afternoon sessions taught by expert faculty and technical assistants. All participants will acquire fundamental computational skills, bioinformatics best practices, exploratory data analysis, and modeling techniques.

## Workshop Organizers

**Joseph Elsherbini, PhD**  
Harvard Medical School

**Scott Handley, PhD**  
Washington University in St. Louis

**Tulio de Oliveira, PhD**  
University of KwaZulu-Natal

**Douglas Kwon, MD PhD**  
Harvard Medical School



## When and Where:

22-26 August, 2022  
AHRI Seminar Rooms 1&2  
Nelson Mandela School of Medicine  
719 Umbilo Road, Durban, South Africa

## Topics

- UNIX computing
- Introduction to R
- Library prep of human microbiome samples
- Processing raw microbiome data
- Connecting sequencing data and metadata through exploratory data analysis

## Registration:

- <https://forms.gle/ZKSzzvRif25V1T2k8>
- Email:  
2022MicroDataDurban@kwonlab.org

