

# October Workshop on Research Trends in Mathematical Modeling and Analysis in Life Sciences



UNIVERSITEIT VAN PRETORIA  
UNIVERSITY OF PRETORIA  
YUNIBESITHI YA PRETORIA

## Faculty of Natural and Agricultural Sciences

Fakulteit Natuur- en Landbouwetenskappe  
Lefapha la Disaense tša Tlhago le Temo

 MaSS  
DST-NRF CENTRE OF  
EXCELLENCE IN  
MATHEMATICAL &  
STATISTICAL SCIENCES



DST NRF SARChI Chair  
in Mathematical Models and Methods in  
Bioengineering and Biosciences

## Amanzingwe Lodge and Conference Centre 4 – 6 October 2018

Over the years, the application of Mathematics in Biology and Life Sciences opened new and interesting mathematical research problems, in particular, in the areas of Mathematical epidemiology, cancer modeling, ecology, bioengineering, etc.

The Department of Mathematics and Applied Mathematics at University of Pretoria organizes a workshop that aims at bringing together researchers (faculty, postdocs, postgraduate students, etc.) in Biomathematics to discuss current topics and share emerging research questions in the area. The workshop intends to provide a forum for interactions between mathematicians and researchers in biology and life sciences.

This gathering celebrates the 10th anniversary of Mathematical Biology as a focus area within the Department of Mathematics and Applied Mathematics at University of Pretoria. It builds on very successful workshops and conferences in the area of Biomathematics organized by the Department.

In addition to identifying fundamental themes in modeling in life sciences, this workshop aims to provide a discussion platform and to reflect, from a South African perspective, on the following questions:

1. How far have we come?
2. Where do we fit in the global trends?
3. Where should we go?

The workshop will feature contributions in the form of plenary talks, poster-in-three sessions and group discussions.

### Speakers

1. Prof Roumen Anguelov (UP, South Africa)
2. Prof Yves Dumont (CIRAD, France)
3. Prof Abba Gumel (Arizona State University, USA)
4. Dr Justin Munganga (UNISA, South Africa)
5. Prof Juliet Pulliam (SACEMA, South Africa)

**Participation and Registration:** Participation will be in the form of poster-in-three presentations. There is limited funding available for students. Applications can be send directly to the organizing committee.

**Venue and Accommodation:** Amanzingwe Lodge & Conference Centre ([www.amanzingwe.co.za](http://www.amanzingwe.co.za)). Participants will have to organize their own accommodation.

### Important Dates and Deadlines

- September 7, 2018: Deadline for registration & submission of abstracts
- September 10, 2018: Notification of acceptance
- October 4 – 6, 2018: Workshop!

### Sponsors:

1. Center of Excellence in Mathematical and Statistical Sciences, (CoE-MaSS).
2. SARChI Chair in Mathematical Models and Methods in Bioengineering and Biosciences, University of Pretoria.

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