**BIOSCIENCES/-ENGINEERING MINI-CONFERENCE**

**Monday, 28 October 2013**

**Venue: Room 2-23 and 2-26 Botany Building**

**Chair: Prof Jean Lubuma**

8:30 – 9:15 Prof M Pepper (University of Pretoria)

**Angiogenesis and lymphangiogenesis: importance in tumor growth and metastasis**

Room 2-26

9:15 – 10:15 Prof Carlos Castillo-Chavez (Arizona State University, USA)

**Mathematics and Epidemics: Challenges and Opportunities**

Room 2-26

10:15 – 10:45 Coffee break

10:45 – 11:15 Prof C Pirk (University of Pretoria)

**How to kill a queen and get away with – social parasitism by the Cape honeybee**

Room 2-23

11:15 – 11:45 Dr S. Garba (University of Pretoria)

**Backward Bifurcation and Global Stability Analysis of Bovine Tuberculosis Epidemic Model in African Buffalo**

Room 2-23

11:45 – 12:15 Dr M. Chapwanya (University of Pretoria)

**Numerical investigation of advection diffusion reaction equations for biofilm studies**

Room 2-23

12:15 – 12:45 Dr J Mungunga (University of South Africa)

**SIR Model With Fuzzy parameters**

Room 2-23

12:45 – 14:00 Lunch

Adlers Restaurant

Hatfield Campus

University of Pretoria

14:00 – 15:30 **Open door** \*

Prof Carlos Castillo-Chavez

Visitor Room 2-12 or 2-14 Maths Building

\* Please contact Rachel Combrink during the lunch break or at [rachel.combrink@up.ac.za](mailto:rachel.combrink@up.ac.za), 012 420 3582 if you want to book in advance.