

4th FIDSSA Congress

Tuberculosis Session – 9th September, Great Ilanga, Elangeni Hotel

Chairs: Wim Sturm and Bavesh Kana

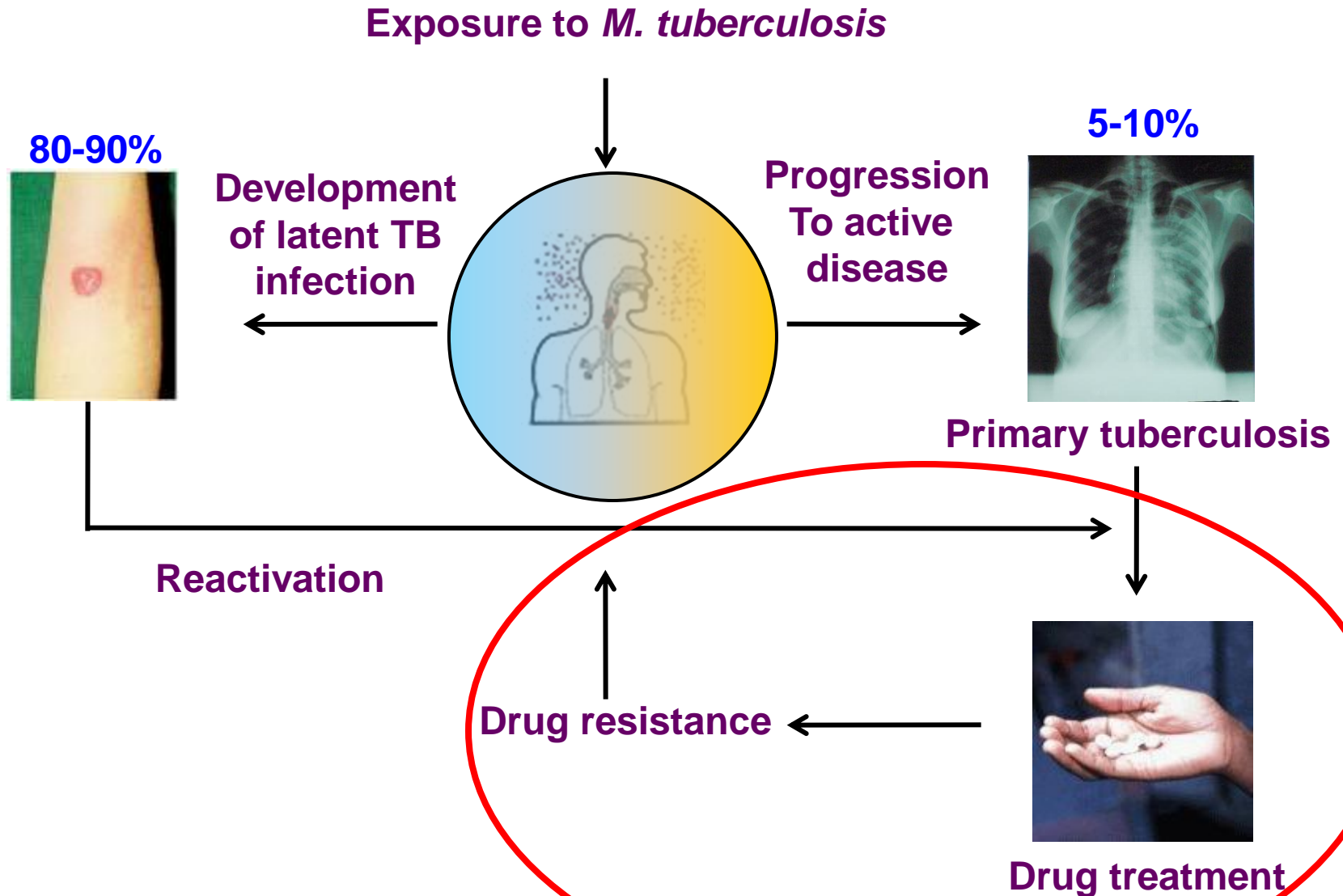
Emergence of drug resistant Tuberculosis: A comedy of errors - Rob Warren

Remodelling the mycobacterial cell wall for better TB drugs - Bavesh Kana

Mycobacterial metabolism and human disease - Digby Warner

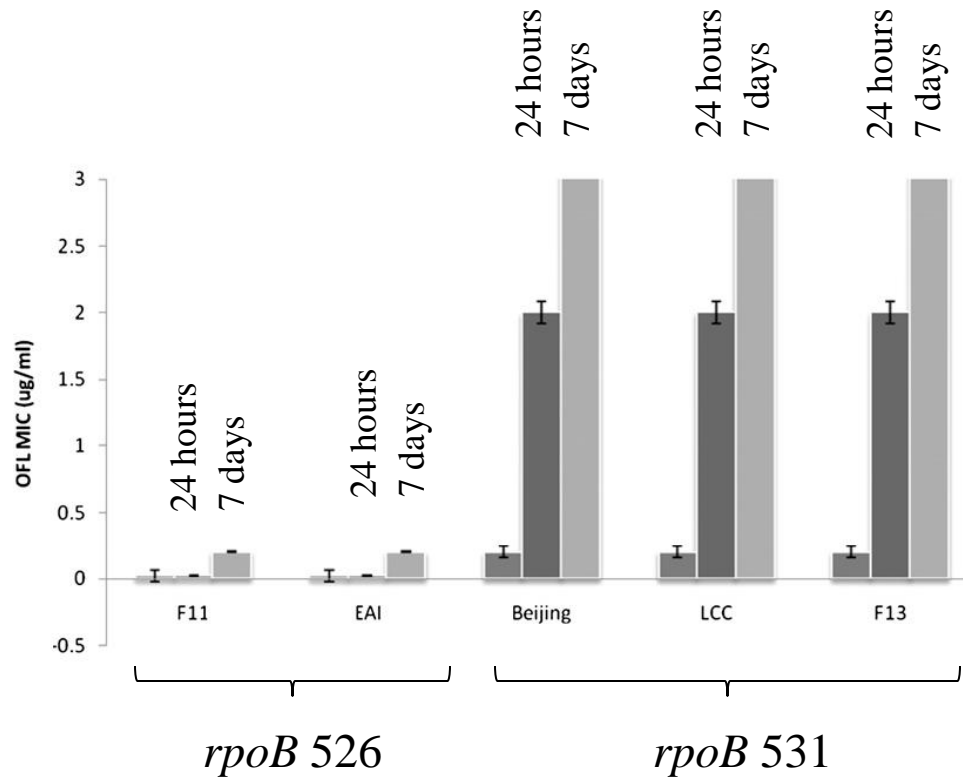
Phage based diagnostics for the detection of *Mycobacterium tuberculosis* -
Mantha Makume

TB infection dynamics and outcomes

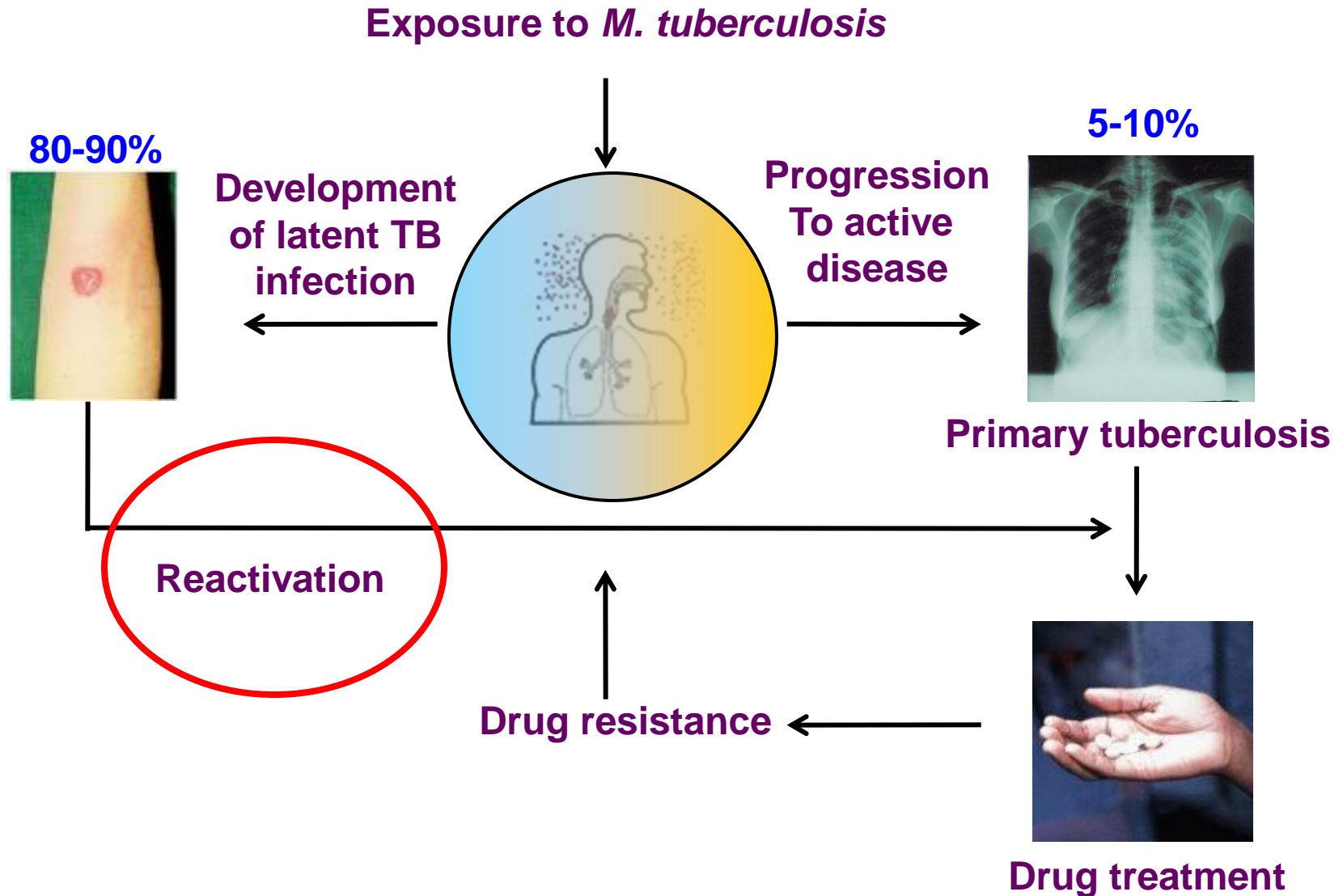


Rifampicin Reduces Susceptibility to Ofloxacin in Rifampicin-resistant *Mycobacterium tuberculosis* through Efflux

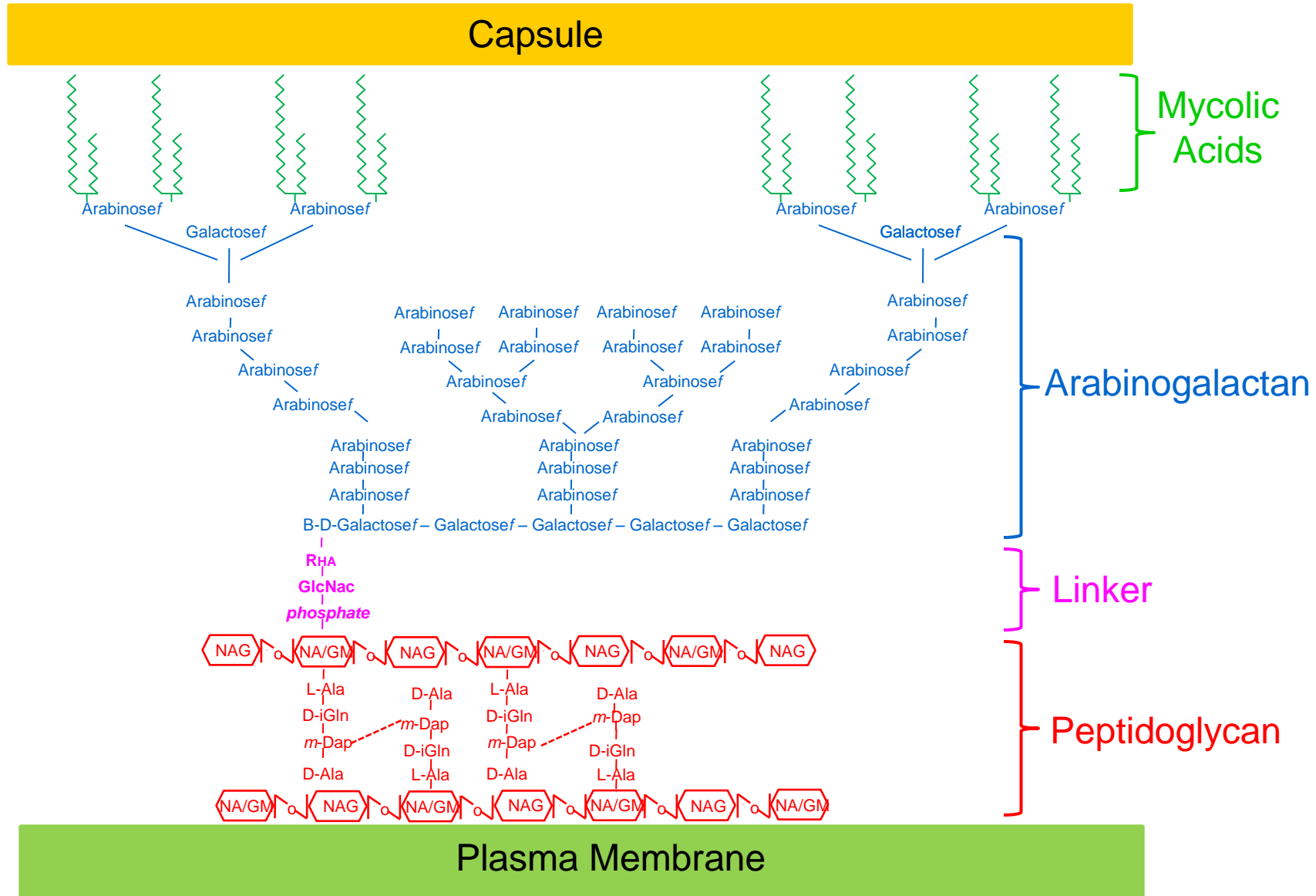
Gail E. Louw¹, Robin M. Warren¹, Nicolaas C. Gey van Pittius¹, Rosalba Leon², Adelina Jimenez², Rogelio H. Pando³, Christopher R. E. McEvoy¹, Melanie Grobbelaar¹, Megan Murray⁴, Paul D. van Helden¹, and Thomas C. Victor¹



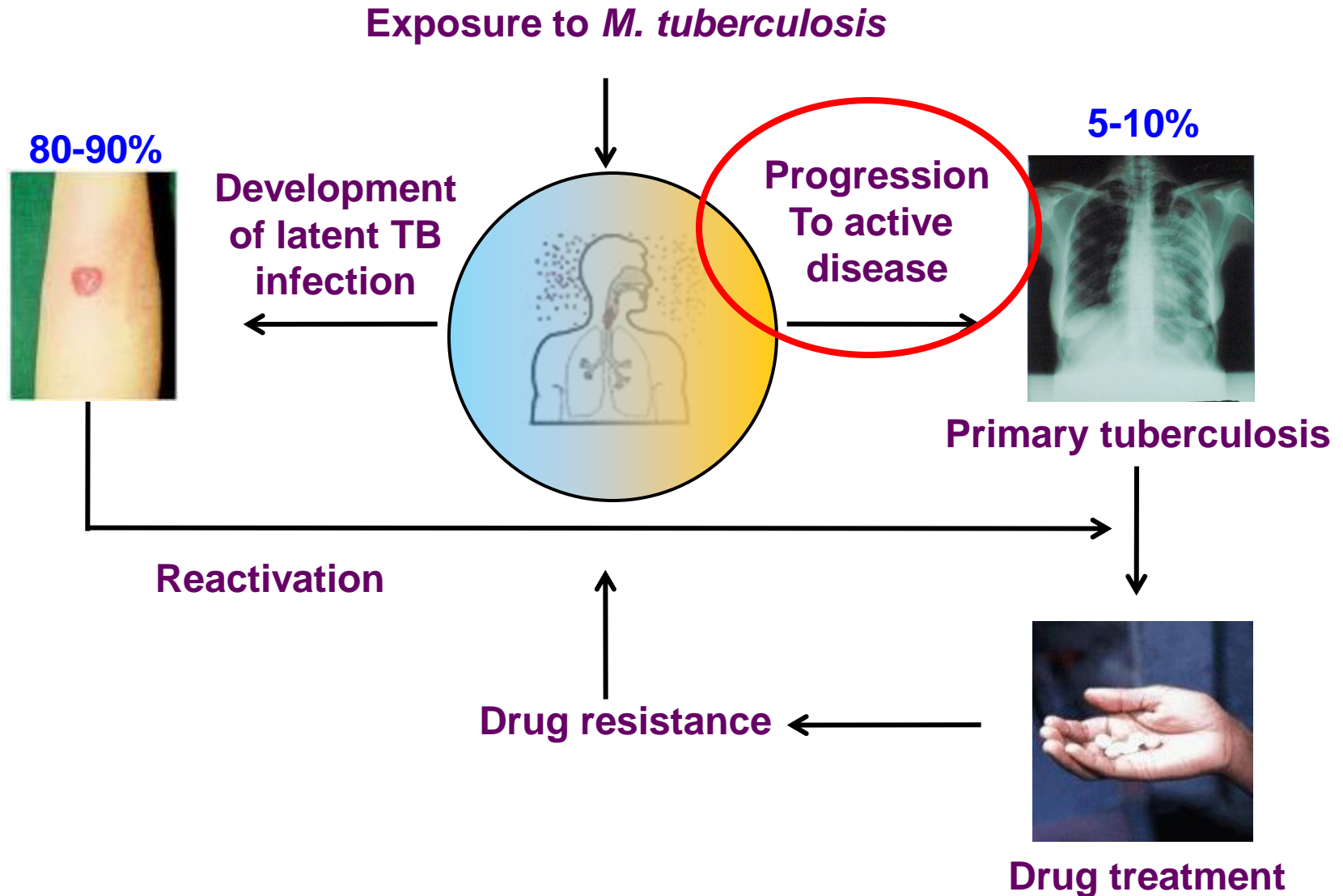
TB infection dynamics and outcomes

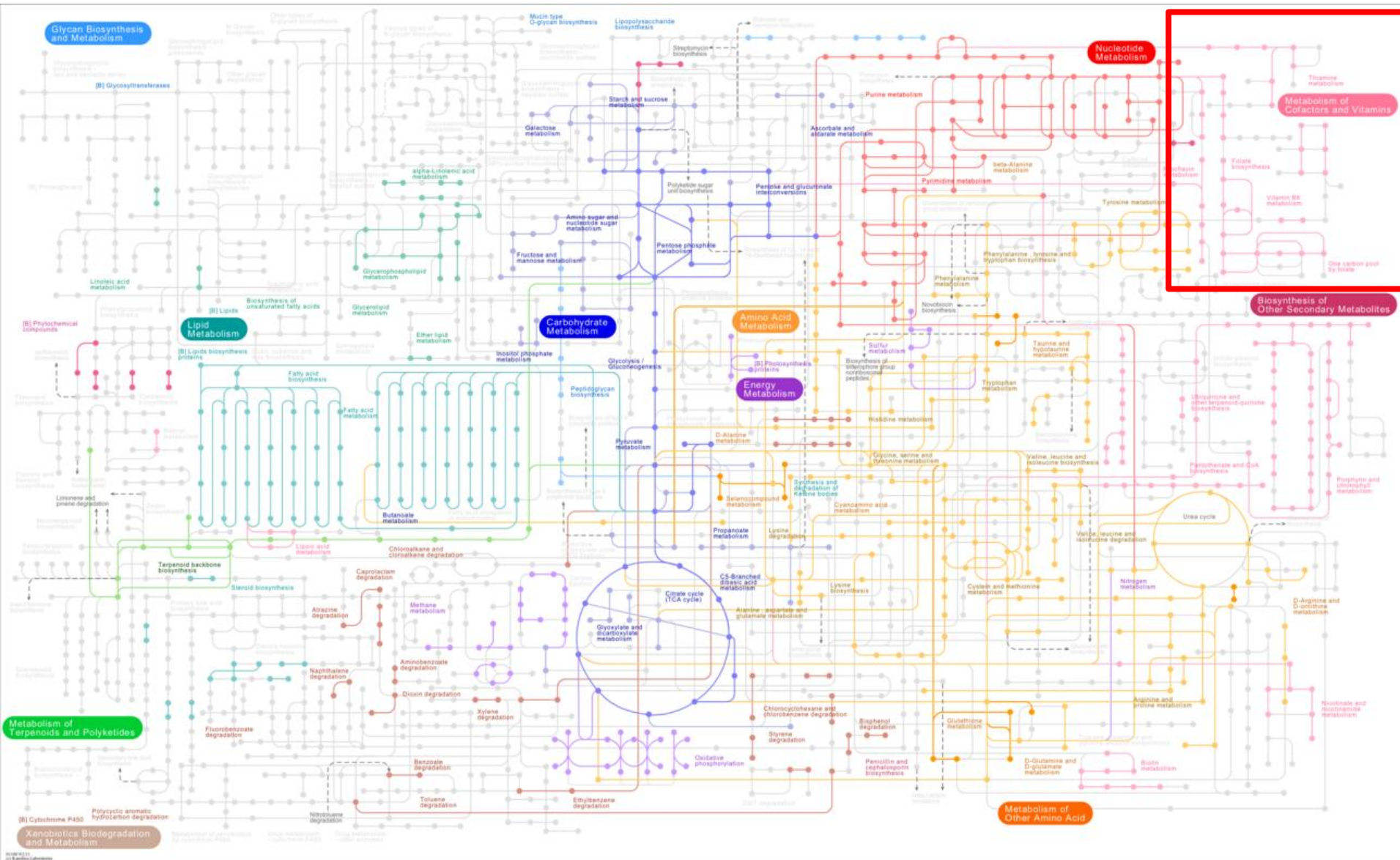


The cell wall of mycobacteria

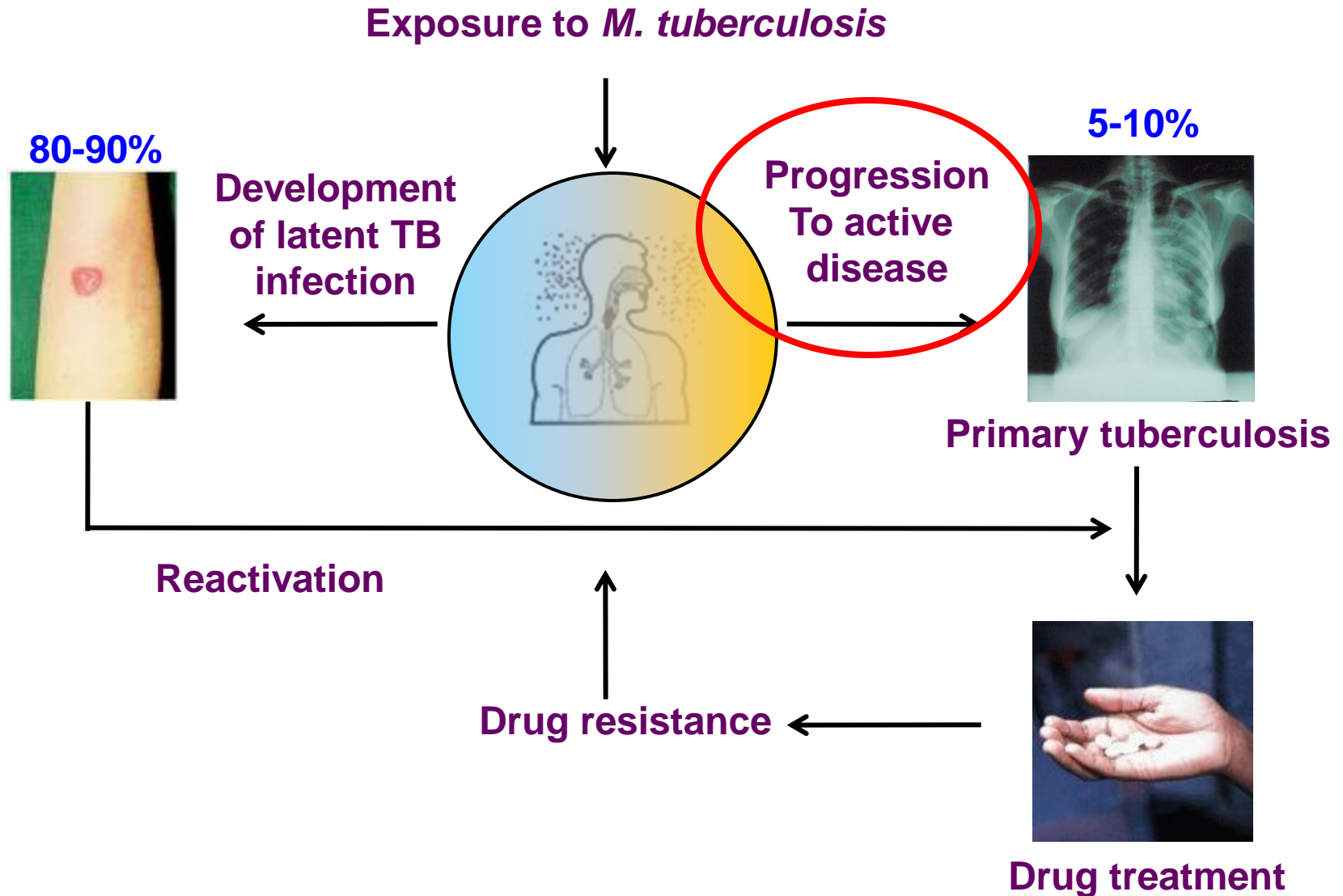


TB infection dynamics and outcomes





TB infection dynamics and outcomes



Bacteriophages to detect *M. tuberculosis*

- Novel technology to detect *M. tuberculosis* in sputa
- Genetically engineered mycobacteriophages expressing reporter genes within viable bacilli
- Eliminate the cost and decrease time to detection compared to 'Gold Standards'
- Simultaneous detection & drug resistance profile

4th FIDSSA Congress

Short Oral Presentations

Lost MDR-TB cases in SA: the contribution of underdiagnoses – Martie van der Walt

Culture-confirmed multidrug-resistant tuberculosis in children: clinical features, treatment and outcome – Simon Schaaf

A field evaluation of a chemiresistive sensor array as a rapid, point of care diagnostic for pulmonary tuberculosis – Mischka Moodley

Variation in Sequence and Expression Profiles of *esx* Genes in Mtb Clinical & Laboratory Isolates- Melisha Sukkhu