# Cape Town Acid Fast Club

2.15 pm Tuesday 3rd July 2018

Wolfson Pavilion Lecture Theatre,
Institute of Infectious Disease & Molecular Medicine (IDM), UCT,
Anzio Rd, Observatory, Cape Town

## AGENDA

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<td>Valerie Mizrahi</td>
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<td>2.20 - 2.40</td>
<td>CRISPRi-Seq for the Identification of Essential Transcriptional Units in Mycobacteria</td>
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<td>2.40 - 3.10</td>
<td>Disabling the intrinsic resistome of <em>Mycobacterium tuberculosis</em>: elucidating hierarchies of DNA repair and mutagenesis that undermine current antibiotic efficacy</td>
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<td>Zooming into the autophagy pathway: where is <em>Mycobacterium tuberculosis</em>?</td>
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<td>3.55 - 4.15</td>
<td>Genome-wide associations between host genotypes and <em>M. tuberculosis</em>.</td>
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<td>4.15 - 4.35</td>
<td>Assessing the biological and immunological impact of divergent cell wall lipids from clinical isolates of <em>Mycobacterium tuberculosis</em> on HIV-1 replication.</td>
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<td>4.35 - 5.00</td>
<td>Evolution and spread of drug resistant TB in South Africa</td>
<td>Rob Warren</td>
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All are welcome
CRISPRi-Seq for the Identification of Essential Transcriptional Units in Mycobacteria

Timothy J. de Wet\textsuperscript{a,b,1}, Irene Gobe\textsuperscript{a,b}, Musa M. Mhlanga\textsuperscript{b,c}, Digby F. Warner\textsuperscript{a,b,1}

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\textsuperscript{b}Institute of Infectious Disease and Molecular Medicine, University of Cape Town
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Disabling the intrinsic resistome of \textit{Mycobacterium tuberculosis}: elucidating hierarchies of DNA repair and mutagenesis that undermine current antibiotic efficacy

I. Gobe\textsuperscript{1}, R. Mbau\textsuperscript{2}, T. de Wet\textsuperscript{2}, V. Mizrahi\textsuperscript{1}, D. F. Warner\textsuperscript{1}

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Zooming into the autophagy pathway: where is \textit{Mycobacterium tuberculosis}?

\textsuperscript{1}Okugbeni, N., \textsuperscript{2}Loos, B., \textsuperscript{1}Johnson, G. and \textsuperscript{1}Kinnear, C.J.

\textsuperscript{1}DST/NRF Centre of Excellence for Biomedical Tuberculosis Research, US/SAMRC Centre for Tuberculosis Research, Division of Molecular Biology and Human Genetics, Department of Biomedical Sciences, Faculty of Medicine and Health Sciences, Stellenbosch University.
\textsuperscript{2}Department of Physiological Sciences, Faculty of Sciences, Stellenbosch University.

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Genome-wide associations between host genotypes and *M. tuberculosis*

S. Pitts, M. Möller, E. Hoal, H. Schurz, E. Streicher, R. Warren, G.v.d.Spuy, G. Tromp, C. Kinnear

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Assessing the biological and immunological impact of divergent cell wall lipids from clinical isolates of *Mycobacterium tuberculosis* on HIV-1 replication.

M. Ndengane, A. Koch, J. Evans, N. Peton, A. Coussens and R.J. Wilkinson

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