FIRST INTERNATIONAL
POST
TUBERCULOSIS
SYMPOSIUM
2019

Biographies
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Listed in alphabetical order of family name
Dr Brian Allwood
Consultant Pulmonologist and Lecturer
Stellenbosch University, South Africa

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Brian Allwood is a consultant pulmonologist in the Division of Pulmonology at the Stellenbosch University and Tygerberg Hospital. He received his undergraduate degree from the University of the Witwatersrand, and completed his training as a Specialist Physician and Pulmonologist at the University of Cape Town (UCT). He has also attained a Masters in Public Health, and completed a PhD evaluating the link between tuberculosis and subsequent development of chronic obstructive pulmonary disease. Recently, he completed a Fellowship in clinical pulmonary hypertension at Massachusetts General Hospital (Boston, USA). His major research interest is the consequences and management of post-tuberculosis respiratory disorders, and he has established a dedicated post-tuberculosis clinic.

He is currently chairing the Post-Tuberculosis Symposium steering committee, and remains passionate about the health needs of people in under resourced communities.

Speaker: Phenotyping in Post-TB Disease
Chair: Workshop 1
Dr Andre Amaral
Epidemiologist
National Heart and Lung Institute
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Dr André Amaral is an epidemiologist at the National Heart and Lung Institute in Imperial College London. He sits on the Early Career Members Committee of the European Respiratory Society, where he represents the Assembly on Epidemiology and Environment.

Dr Amaral studies the lung function of populations from around the globe to provide evidence-based information to policymakers so they can act to prevent chronic lung disease and reduce mortality worldwide. From London, he coordinates the follow-up of the Burden of Obstructive Lung Disease study participants in several low- and middle-income countries (BOLD II).

Chair: Workshop 8
Eric Bateman is a pulmonologist, and the founder of the University of Cape Town Lung Institute and former Head of the Division of Pulmonology at the UCT and Groote Schuur Hospital, Cape Town from 1989 until 2012.

Professor Bateman has an A-rating from the National Research Foundation of South Africa, is a Life Fellow of the UCT, and a founding Fellow of the European Respiratory Society. His primary research interests are the pharmacology and management of asthma and chronic obstructive pulmonary disease, as well as community-based interventions to improve the care of patients with chronic diseases. He has published more than 350 papers in international peer-reviewed journals.

Speaker: Opening Address
Dr Marleen Bakker

Dr. Marleen Bakker is trained as a pulmonologist after a PhD on lung cancer research, and has been working as a staff member at the department of Pulmonary Diseases of the Erasmus Medical Center since 2002. Since 2014 that department started a cooperation with the department of Pulmonary Diseases of Tygerberg Hospital Stellenbosch. She specialized in infectious diseases and has a special interest in cystic fibrosis and tuberculosis. In the field of tuberculosis she works together with the Public Health TB Clinic Rotterdam. She participates in tuberculosis teaching programs for pulmonologists, fellows and public health doctors. She is finishing her Master in Bioethics and Medical Law in London, UK.

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Busisiwe Beko

Patient advocate

TB Counsellor, Doctors Without Borders, Khayelitsha, Cape Town, South Africa

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Busisiwe “Busi” Beko was diagnosed with multi-drug resistant TB in 2005 while she was pregnant with her second child. After fighting to get proper treatment, Beko was eventually admitted to Brooklyn Chest Hospital in Cape Town where she had to endure the difficult treatment of pills and injections.

“During my treatment I discovered that my baby had also contracted MDR-TB, and needed to be admitted as well. It was a terrible time but both of us were eventually declared cured, after completing treatment,” she says.

Today Beko works as a TB Counselor with Doctors Without Borders in Khayelitsha, supporting patients through their treatment.

“I did not get any counselling support myself because it was practically non-existent, and so I am passionate about providing the support I needed at this time to others, explaining to them what drug-resistant TB is and explaining how we can survive and beat it,” she says.

Several of the patients that Beko counseled have gone on to become counsellors themselves, or outspoken TB advocates.

“They will inspire others to do the same, and soon we will have any army of TB counselors and advocates in Khayelitsha. That is what is needed to defeat TB,” she says.

In advance of World TB Day 2019, Beko was instrumental in designing and hosting a three day “TB leaders” training in Khayelitsha, to provide budding TB advocates with TB education and advocacy skills.
Patricia Bond

Patient advocate, TB Proof, South Africa

pat.bond55@gmail.com

Patricia Bond is a professional nurse who had been working in the South African public and private health sectors for the past 37 years. She specialized in renal nursing and was working in a private dialysis unit in Cape Town when she was diagnosed with occupational primary MDR TB shortly after Christmas 2010. The toxic treatment regimen was particularly brutal on Pat and she suffered through numerous adverse events, which included hearing loss and surgery to remove a part of her lung. She was eventually cured in 2012, but her battle with the disease had a dramatic impact on her previously excellent health and professional life.

She has been unable to return to work, but became an active patient advocate early in 2013 when she joined the TB Proof team. Pat has shared her experiences with medical students and colleagues to raise awareness about the risk of occupational TB and has spoken movingly about the challenges facing health care workers with drug resistant TB on various National and International platforms, including Washington DC (RESULTS, USAID and WHO), New York (TAG & MSF), the 2013 WHO MDR TB Stakeholders meeting in Paris and the 2015 Union World Conference on Lung Health.
Dr Anthony Byrne

Thoracic Physician, clinician researcher
St Vincent's Hospital, Sydney Australia

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Dr Anthony Byrne is a Thoracic Physician, Researcher and Staff Specialist at St Vincent’s hospital in Sydney, Australia where he heads the Tuberculosis Service. His doctoral studies focused on the chronic respiratory disease sequelae of multidrug resistant and drug susceptible tuberculosis among residents of Lima, Peru. This was under the supervision of Prof Guy Marks, Prof Ben Marais and Prof Carole Mitnick. Dr Byrne is a senior lecturer with the University of New South Wales and is also a Cochrane author and associate editor of Cochrane Clinical Answers. His current research interests include post tuberculosis lung health, access to respiratory diagnostics in resource limited settings and therapeutic drug monitoring of TB medications. Active research collaborative partners include; Partners In Health (Peru), World Health Organization, The University of Florida (USA), Brown University (USA), Australian National University (Australia), The University of Sydney (Australia), Mysore Medical College (India) and Gizo Hospital (Solomon Islands).
Prof Anna Coussens

Infectious disease immunologist
Walter and Eliza Hall Institute (WEHI) of Medical Research in Melbourne, Australia

Wellcome Centre for Infectious Diseases in Africa, Institute of Infectious Disease and Molecular Medicine, UCT, South Africa

anna.coussens@uct.ac.za

Dr Anna Coussens, an infectious disease immunologist, is a Lab head at the Walter and Eliza Hall Institute (WEHI) of Medical Research in Melbourne, Australia and Honorary Assoc Prof within the Wellcome Centre for Infectious Diseases in Africa, Institute of Infectious Disease and Molecular Medicine, UCT. Her research focuses on developing pre-clinical cellular models of TB and HIV-1 host-pathogen interactions on which to test host-directed interventions designed to prevent pathogen replication, cell death, matrix destruction and improve lung healing. She also investigates biomarkers of infection and early stages of human TB pathogenesis for targeted prevention of disease and relapse.
Dr Veronique de Jager is a clinical trials investigator at TASK Applied Science, with experience in conducting early bactericidal activity (EBA) studies of both novel and current anti-TB agents. Her interests lie in the areas of shortened TB therapies and improved patient outcomes, as well as the factors related to TB disease development and recurrence.
Peter Donald is emeritus professor in the Department of Paediatrics and Child Health, Stellenbosch University. He has a wide range of interests in tuberculosis including antituberculosis drug assessment in adults and children and aspects of the management, treatment and prevention of childhood tuberculosis, but particularly tuberculous meningitis. He retired from a full-time university appointment in 2004, but remains active in research. In 2010 he was awarded the “Union Medal” of the International Union against Tuberculosis and Lung Disease for his contribution to promoting child lung health.
**Dr Uzochukwu Egere**

Paediatrician
Postdoctoral Research Associate (Health Systems)
Community Health Systems Group
Liverpool School of Tropical Medicine

**Uzochukwu.Egere@lstmed.ac.uk**

Uzoh is a Paediatrician and holds an MPH and a PhD in International Health. He has over 12 years’ experience in clinical and public health research and engagement with policy makers in developing countries. He previously worked in Pneumococcal and Childhood TB research programmes at the MRC Unit, The Gambia. He is currently a postdoctoral researcher in the ‘IMPALA’ project at the Liverpool School of Tropical Medicine (LSTM), a multidisciplinary programme addressing lung health and TB in Africa. He contributes teachings to several programmes at the LSTM and has published in several peer-reviewed journals and contributed book chapters on childhood TB.

**Chair: Workshop 7**
Emeritus Prof Rodney Ehrlich, Senior Research Scholar, University of Cape Town (UCT). Previously Professor, School of Public Health and Family Medicine, and Department of Medicine, UCT. Immediate past Co-Editor in Chief, American Journal of Industrial Medicine. Specialisation in Public Health and Occupational Medicine, Publication history includes tuberculosis in adolescents, isoniazid preventive treatment, occupational tuberculosis in gold miners and more recently healthcare workers. Current research interests: TB epidemiology, co-pathogenesis with silica dust, screening, prevention and workers’ compensation.
Dr Denise Evans

Senior HIV/TB Research Advisor and a Principal Researcher at the Health Economics and Epidemiology Research Office

Senior Researcher, School of Clinical Medicine, Faculty of Health Sciences, University of Witwatersrand, South Africa.

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Dr. Denise Evans is a Senior HIV/TB Research Advisor and a Principal Researcher at the Health Economics and Epidemiology Research Office (HE2RO) who has more than 10 years of research experience focused on optimizing HIV, TB and drug-resistant TB treatment outcomes. Denise has a joint position in the School of Clinical Medicine, Faculty of Health Sciences, University of the Witwatersrand as a Senior Researcher. She has published over 90 publications (h-index of 20) and has over 2 500 citations. She has gained research and grant management experience as PI on multiple studies and evaluations in South Africa and other countries.

Speaker: Socio-economic consequences & QALY
Chair: Workshop 3
Dr Leah Githinji
Paediatric Pulmonologist, Red Cross War Memorial Children’s Hospital and Medical Research Council, Cape Town, South Africa

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Dr. Leah Githinji, MBChB, MMed (Paediatrics and Child Health), University of Nairobi, Kenya, joined the Department of Paediatrics & Child Health at University of Cape Town (UCT), South Africa in 2012 for sub-speciality training in Paediatric Pulmonology and in 2015 for her PhD studies. Before joining UCT, she worked as a paediatrician in regional hospitals in Kenya. She is a paediatric pulmonologist/clinician-scientist with a keen interest in TB and HIV-related lung diseases, currently working on the Cape Town Adolescent anti-retroviral Cohort (CTAAC) study at the MRC unit on Research on adolescents and Child Health at Red Cross War Memorial Children’s Hospital in Cape Town.
Dr Brigitte Glanzmann

Researcher
Division of Molecular Biology and Human Genetics,
Department of Biomedical Sciences,
Stellenbosch University, South Africa

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Brigitte is a postdoctoral research fellow in Primary Immunodeficiency Diseases (PIDs) under the prestigious Claude Leon Postdoctoral Fellowship award. Her research has focused predominantly on the identification of disease causing variants in children suffering from PIDs as well as the identification of variants that may lead to susceptibility to tuberculosis infection and disease. This research has led to five publications (four research articles and one review article), and additional two manuscripts are currently under review. She has extensive local and international collaborations, and has been involved in other projects outside of her current research, including the assembly of the complete genome for the African buffalo (Syncerus caffer) as well as projects which relate to other immunodeficiencies. She supervises BSc (Hons) and MSc students, and in 2017 was awarded the Postdoctoral Fellow Award for Exceptional Achievement by the Vice-Rector of Research, Innovation and Postgraduate Studies. At the end of 2018, she received the Crick African Network Accelerator Fellowship which is awarded to only 5 Africans, and it will enable her to continue work on PIDs in London as well as at Stellenbosch University.
Professor Pierre Goussard

Professor of Paediatric Pulmonology, Division of Paediatrics and Child Health, Stellenbosch University, South Africa

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Prof Pierre Goussard is the Clinical Unit Head: Paediatric Pulmonology and Paediatric Intensive Care at Tygerberg Children’s Hospital and the chair of Tygerberg Children’s Hospital Trust. Tygerberg Children’s Hospital acts as a referral centre for complicated cases including disease like Tuberculosis, HIV, complicated pneumonia as well as complicated airway pathology and congenital lesions.

Pierre is responsible for paediatric bronchoscopes, seeing 350 cases per year which includes flexible bronchoscopes and rigid bronchoscopes. He also performs a large number of different interventional procedures.

His research fields includes airway disease due to tuberculosis as well as new diagnostic methods using BAL in tuberculosis and other disease.

He completed his PhD and has published 106 peer review articles and a number of book chapters.

He serves on the International Advisory Board of the annual International Congress on Pediatric Pulmonology (CIPP) and is Co-Chair of the annual Here Be Lungs Conference Organising Committee.
Dr Diane Gray
Paediatric Pulmonologist and Clinical Researcher, Red Cross War Memorial Children’s Hospital, University of Cape Town

Diane.Gray@uct.ac.za

Dr Diane Gray is a paediatric pulmonologist and clinical researcher in the Department of Paediatrics, Red Cross War Memorial Children’s Hospital, University of Cape Town. Her research focuses on better understanding the determinants of chronic lung disease in African children and the development of appropriate preventive and management strategies. She has contributed to setting infant and preschool lung function testing in Africa, and participates in international collaborations developing tools for preschool lung function testing. She currently holds a Wellcome Trust intermediate fellowship for research investigating the impact of early life exposures on chronic respiratory illness in African children.

Speaker: Children after TB
Chair: Workshop 4
Stephanie Griffith-Richards qualified as a radiologist in 2008 at Stellenbosch University, obtaining both the M.Med. Diagnostic Radiology and F.C.Rad (S.A.)

After a brief stint in private practice, Dr Griffith-Richards started working at Tygerberg Hospital as a consultant Radiologist in 2011. Dr Griffith-Richards has a special interest in Thoracic Imaging, specifically HRCT of interstitial lung diseases as well as TB and post TB sequelae.
Prof Susan Hanekom

Associate Professor
Division of Physiotherapy, Stellenbosch University, South Africa

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Susan completed a BSc Physio at Stellenbosch University in 1983. Following which, she worked as a lecturer at SU for a few years, before working as a clinical physiotherapist in a variety of national and international private- and state-funded hospitals. She returned to SU as a lecturer in 2000. Here she completed a MSc Physio (cum laude) and PhD in 2004 and 2010 respectively. She was promoted to the position of Associate-Professor in 2014, and head of Physiotherapy in 2015. She is a NRF rated researcher with research interests in critical care and cardiopulmonary rehabilitation. She has received funding from the MRC and NRF.
Anneke Hesseling is a clinician scientist dedicated to researching pediatric tuberculosis (TB). She is Distinguished Professor in Pediatrics and Child Health, Faculty of Medicine and Health Sciences, Stellenbosch University and am the Director, Desmond Tutu TB Centre (DTTC), Stellenbosch University. She chairs the NIH IMPAACT TB Scientific Committee and leads/co-leads several IMPAACT protocols. She is the Stellenbosch co-PI for the DAIDS-funded Clinical Trials Unit (SUN-CTU) and is also the IMPAACT CRS leader for the Desmond Tutu TB Centre (DTTC, CRS 31790). She is the PI for the CDC TB Trial Consortium (TBTC) Stellenbosch site (site 33) and is a core member of the WHO Stop TB Pediatric Subgroup. She has 15 years’ experience in designing and conducting clinical pediatric TB research in South Africa and elsewhere and was recently awarded a national research (SARChI) chair in Pediatric Tuberculosis, by the South African National Research Foundation. Her group’s research has a strong focus on improved therapeutic strategies for the prevention and treatment of TB in children, with a uniquely strong research platform and track record of research for MDR-TB, with a state of the art Paediatric TB pharmacokinetics unit based at a large provincial referral TB hospital. Their strong research platform is in a setting with high burden of pediatric TB and HIV, has completed and ongoing funded NIH and other TB treatment studies, and has excellent local lab capacity and collaborations. Their group has published more than 180 PubMed-cited articles on Pediatric TB in the past 15 years.
Dr Graeme Hoddinott

Psychologist researcher
Desmond Tutu TB Centre
Stellenbosch University, South Africa

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Graeme Hoddinott has 10 years’ experience working in communities of highest TB and TB/HIV co-morbidity in South Africa. Much his work has focused on young people. Since 2012, he has been responsible for the social science portfolio at the Desmond Tutu TB Centre (DTTC), which includes being the in-country social science lead for the HPTN 071 (PopART), TB-CHAMP, and SHINE trials. Specifically, Graeme supervises a team of 20 postgraduate-level social scientists and 12 field/data staff. He is a psychologist registered in independent practice (research) with the Health Professions Council of South Africa. Graeme also convenes a module for a masters-level methods module on Transdisciplinary Health and Development Studies. His research expertise (that bridges between public health and social science) is focused on explicating the structural, systemic and operational processes underpinning public health interventions in high-burden contexts through rigorous mixed-method design and analyses.

Chair: Workshop 3
Prof Elvis Irusen

Professor and Head:
Pulmonology & Critical Care Division,
Department of Medicine, Stellenbosch University

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Professor Irusen trained in research at the Royal Brompton Hospital in Professor Barnes’ Unit at the National Heart and Lung Institute at Imperial College of Science, Medicine and Technology in London.

He is a past-president of the SA Thoracic Society and was the SA representative on GOLD (Global Initiative for Chronic Obstructive Lung Disease).

Distinguished service awards have been given to him by the European Respiratory Society and the Allergy Society of South Africa.

He has had a long interest in TB and has published papers and contributed book chapters to the topic.
Dr Olena Ivanova
Researcher
Division of Infectious Diseases and Tropical Medicine, University of Munich, Germany

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Olena Ivanova is a researcher and scientific project manager at the Division of Infectious Diseases and Tropical Medicine, University of Munich (LMU), Germany. She holds a medical degree and a master’s degree in public health from three European universities. Over the past few years, she has been involved in research projects in the field of sexual and reproductive health (SRH) with a special focus on adolescent SRH, maternal and child health, family planning; HIV and tuberculosis. Her international experience was enriched by working and living in a number of European and African countries. Furthermore, her research experience includes both quantitative and qualitative research. She has keen interest in monitoring and evaluating of health interventions and health policy analysis.

Chair: Workshop 3
Rupert Jones is Prof of Respiratory Medicine at OPRI Singapore, and Associate Professor at the Faculty of Medicine and Dentistry, Plymouth University. Previously a Plymouth GP for 30 years and a primary care respiratory specialist. He has been involved in COPD research, policy and education for many years. His interests are severe asthma, COPD, post TB lung disease and pulmonary rehabilitation, including in Africa and other resource limited settings. (www.plymouth.ac.uk/research/primarycare/fresh-air). He has published over 80 papers, 2 questionnaires: the Severe Asthma Questionnaire (www.SAQ.org.uk) and the Lung Information Needs Questionnaire (www.linq.org.uk) and several books.
Dr Ismail Kalla

Consultant Pulmonologist
Division of Pulmonology, University of Witwatersrand, South Africa

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Dr Kalla is a Senior Specialist at WITS. He is the Chair of the Under-Graduate Teaching Committee and the Supernumerary Post-Graduate portfolio. Dr Kalla has received numerous awards including the Jock Gear Award for the being the most accomplished registrar, the Asher Dubb Medal for his Specialist Physician’s Examination and the Greenblatt Respiratory Prize during his fellowship in Pulmonology. Dr Kalla was also the recipient of the Bobby Grieve research prize and the prestigious T H Bothwell Research Prize which is the premier research prize within the Department of Internal Medicine. Dr Kalla’s research interest is in the field of immunology of airway inflammation and he has completed his PhD in inflammatory pathways in Asthma.
Dr Celso Khosa

Clinician researcher
Centro de Investigação e Treino em Saúde da Polana Caniço (CISPOC), Instituto Nacional de Saúde Mozambique (INS).

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Celso Khosa is a researcher and medical doctor at Centro de Investigação e Treino em Saúde da Polana Caniço (CISPOC), Instituto Nacional de Saúde Mozambique (INS).

He is responsible for the TB research program, implementing observational studies and clinical trials in TB therapeutics and diagnostics in adult and pediatric population.

He is a PhD candidate in Medical Research / International Health at the University of Munich. He is coordinating a study on assessment of lung injury in patients with TB, clinical and socio-economic assessment, new methods of diagnosis and follow-up of TB patient – TB Sequel.

His main research interest includes tuberculosis, HIV and Comorbidities associated with HIV.
Dr Marian Loveday
Scientist, Health Systems Research Unit, South African Medical Research Council

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Dr. Marian Loveday is a scientist in the Health Systems Research Unit of the South African Medical Research Council.

After working at different levels within the health systems of South Africa for many years she moved into research. Her research focusses on health systems through the lens of TB, rifampicin-resistant TB and HIV and has highlighted the impact of health service performance on patient adherence to treatment and treatment outcomes, patient experiences and the dilemmas and experiences of front-line health care workers.

Her recent work includes documenting treatment, pregnancy and infant outcomes in pregnant women treated with second-line TB drugs.
Dr Alison Lupton-Smith

Lecturer
Division of Physiotherapy, Stellenbosch University, South Africa

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Alison Lupton-Smith is a lecturer in the Division of Physiotherapy, Stellenbosch University. Alison qualified as a physiotherapist from the University of Cape Town (UCT) in 2007. She went on to obtain her PhD at UCT with her dissertation entitled “Ventilation distribution in infants and children: its determinants and distribution” in 2017. She serves on both the national and provincial committees of the Cardiopulmonary Rehabilitation Group of the South African Society of Physiotherapy and the provincial committee of the Critical Care Society of Southern Africa. She has a strong interest in both paediatric and adult cardiorespiratory physiotherapy and rehabilitation, the role of physiotherapy in critical care and the health outcomes of critical illness survivors. Alison is dedicated to improving healthcare and patient experience in South Africa.
Zama Mahlobo

Researcher
Clinical Mycobacteriology & Epidemiology (CLIME)
Division of Molecular Biology and Human Genetics,
Stellenbosch University, South Africa

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Zama Mahlobo is a PhD candidate at Stellenbosch University. Her research focus is on TB infectiousness and transmission. She studies TB aerobiology, the infectiousness of Mycobacterium tuberculosis (Mtbt) in the air generated by TB patients during tidal breathing. Using a newly developed human aerosol chamber (HAC) she samples aerosols generated during different breathing manoeuvres. She uses GeneXpert MTB/RIF Ultra and microbiological techniques to confirm the presence of Mtbt in aerosols.

Zama has also worked with macrophages, identifying host response mechanisms induced by different strains of mycobacteria during the early stages of infection.
Dr Fanie Malherbe

Research clinician
Immunology Research Group, Department of Molecular Biology and Human Genetics, Stellenbosch University, South Africa

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Fanie Malherbe is an early career clinical researcher with growing experience in clinical trial management and research collaboration with international consortia. He has a special interest in novel tuberculosis diagnostics and finding improved ways to monitor treatment response; specifically by the use of PET-CT imaging.

After completion of his medical degree in 2006, he worked in various clinical fields. He always had an interest in research and in 2013 he accepted a post as Research Clinician for the SUN-Immunology Research Group – part of the Department of Molecular Biology and Human Genetics of Stellenbosch University.

With the help of a scholarship from MRC Clinician Researcher Program, he completed a PhD degree in 2017. Thereafter he started work as the lead clinician of the rapidly expanding clinical research team of the department of Molecular Biology and Human Genetics, Stellenbosch University. The EDCTP have awarded him an Early Career Fellowship grant to continue his work on TB treatment response from 2018.
Dr. Florian Marx is a physician and epidemiologist who holds a Senior Researcher position jointly at the DST-NRF Centre of Excellence in Epidemiological Modelling and Analysis (SACEMA) and the Desmond Tutu TB Centre (DTTC), Faculty of Medicine and Health Sciences, at Stellenbosch University. He obtained his PhD degree from Stellenbosch University (2018), a Masters Degree in Epidemiology from the London School of Hygiene and Tropical Medicine (2009) and a Medical Degree from Charité University Medicine Berlin (2007). His research focusses on the epidemiology of tuberculosis (TB) and the public health impact of interventions for reducing TB in high-incidence settings. Over the past years, he has conducted field work in Cape Town and mathematical modelling to better understand the burden, drivers and temporal dynamics of recurrent TB, and to estimate the population-level benefits of focused TB prevention and care strategies among former TB patients.

Speaker: Targeting TB control to former TB patients
Chair: Workshop 2
Dr Jamilah Meghji

Clinician researcher
Liverpool School of Tropical Medicine
Imperial College, London

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Dr Jamilah Meghji completed her preclinical training at the University of Cambridge (2002), and her clinical medical training at Oxford University (2005). She holds a Master’s in Public Health (Harvard School of Public Health, 2008), and a PhD in tropical medicine (Liverpool School of Tropical Medicine, 2019).

During her PhD she established a cohort of adults completing treatment for pulmonary tuberculosis in Malawi, to investigate the prevalence/pattern of post-TB lung damage, and associated outcomes. Cohort follow up is ongoing.

Jamilah currently works as a respiratory infection Fellow at Imperial College, London and continues her research in Sub-Saharan Africa through an MRC fellowship.
Goodman Mkhanda

Patient advocate

makandagoodman@gmail.com

Goodman Mkhanda was diagnosed with extremely drug resistant TB (XDR-TB) in December 2014, in Cape Town, South Africa. It took four years from his diagnosis to his cure. “My doctor sat me down and said I think it's time for you to talk to your pastor, because the treatment isn’t working. I said are you saying I'm going to die and she said yes I think so.” After asking if the TB could be cut out, surgeons identified a cavity on Goodman’s left lung, which they believed the medication was not reaching. They removed the cavity and Goodman was later declared cured of XDR-TB.

Goodman was one of the first people in South Africa to repeatedly and passionately speak out about his struggle with XDR-TB while still on treatment. He works with TB advocacy groups to call on the government to not only broaden access to new drug-resistant TB medicines, but to also invest in TB research and development and to push other governments to do the same.
Dr Julie Morrison

Paediatric pulmonologist
Division of Paediatrics and Child Health, Stellenbosch University, South Africa

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Julie Morrison is a paediatric pulmonology consultant and senior lecturer at Tygerberg Children’s Hospital and Stellenbosch University.

She completed her undergraduate studies at the University of the Witwatersrand and her paediatric specialization and pulmonology training at the University of Stellenbosch. She has worked in Scotland and London, attaining her MRCPCH. Julie has an interest in HIV associated lung disease and has worked at Desmond Tutu Research Centre and FAMCRU research unit in the area of HIV, Tuberculosis, Respiratory Syncytial Virus and Rotavirus Vaccine trials.
Kevin Mortimer is a Professor of Respiratory Medicine at the Liverpool School of Tropical Medicine (LSTM), an Honorary Consultant at Aintree University Hospital NHS Foundation Trust and Director of Lung Health for the International Union Against Tuberculosis and Lung Disease (The Union). He is also Deputy Director of the NIHR Global Health Research Unit on Lung Health and Tuberculosis in Africa at LSTM, Director of the Pan African Thoracic Society Methods in Epidemiologic, Clinical and Operations Research (MECOR) Programme and a Senior Visiting Research Fellow at the University of Cambridge. He is interested in developing solutions to the lung health needs of the world’s poor including tackling global inequalities in access to basic effective treatments for lung diseases.

Speaker: Advocacy for Post-TB disease
Chair: Workshop 7
Dr Stellah Mpagama

Clinician researcher
Kibong’oto Infectious Diseases Hospital (KIDH)/National Center of Excellence for MDR-TB management, Tanzania

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Stellah graduated M.D in 2005 and started professional work at Kibong’oto Infectious Diseases Hospital, a national referral hospital for Tuberculosis in 2007. In 2008 – 2010 she studied Master of Science in Clinical Research and pursued research on tuberculosis with HIV coinfection. The following year she started a PhD programme to address the new challenge of multidrug resistant tuberculosis and currently is the leading expert in Tanzania.

Stellah’s main research interest is in the development of solutions for both programmatic and clinical challenges for Infectious diseases in particular Tuberculosis and associated co-morbidities. Currently, she is developing a rapid response infrastructure including a clinical trial unit, and a group of research scientists (research trialists and laboratory scientists) that will be capable in addressing infectious diseases threats and associated co-morbidities. Her professional goal is to build research capacity through meticulous design of clinical trials and implementation researches linking this with mentorship programme. This provides a group of next generation of scientists and contributes in developing a resilient health system.
Rebecca Nightingale

Respiratory physiotherapist
Division of Physiotherapy, Liverpool School of Tropical Medicine

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Becky is a respiratory physiotherapist who is in year 2 of an MRC funded PHD at Liverpool School of Tropical Medicine. Her PhD focuses on Post-TB lung disease in Malawi. She is currently following a cohort of 350 Post-TB patients, with data being available mid-late 2020. Having worked as a Senior Respiratory Physiotherapist in the UK, she went on to work in a health centre in Kenya. She became part of senior management and helped them to develop into a hospital, setting up and building new acute inpatient services. Becky has an MSc in Global Health and Development from University college London and an Mres from the University of Liverpool.
Dr Esin Nkereuwem

Paediatrician, Research Clinician, MRC Unit The Gambia and Liverpool School of Hygiene and Tropical Medicine

enkereuwem@mrc.gm

Dr. Esin Nkereuwem is a Paediatrician and clinical researcher in the MRC Unit The Gambia at LSHTM. He received his Bachelor of Medicine, Bachelor of Surgery (M.B.B.Ch.) degree from University of Calabar, and an M.Sc. in Public Health for Development from the London School of Hygiene and Tropical Medicine. He holds a Membership Fellowship of the Faculty of Paediatrics, West African College of Physicians (MWACP).

His research focuses on translational and implementation research in childhood tuberculosis. He currently holds an Imperial College/Wellcome Trust Institutional Strategic Support Fund fellowship for research investigating the pulmonary outcomes of children previously treated for pulmonary tuberculosis.
Dr Lamla Nqwata

Consultant Pulmonologist, Chris Hani Baragwanath Hospital, Johannesburg, South Africa

drlamla@yahoo.com

Lamla Nqwata is a Specialist Physician, Pulmonologist based in Johannesburg, Chris Hani Baragwanath Academic Hospital. She is currently doing data analysis for her masters titled “Non-tuberculous mycobacteria at Charlotte Maxeke Academic Hospital, 2010-2017”. Additionally she is performing a multicentre study on “Knowledge, Attitude and practices of bronchiectasis among GPs in four African countries” as part of PATS MECOR project. Her research interest is around bronchiectasis, NTM, haemoptysis and all post TB related diseases. She is hoping to be able to contribute with some of the work in this committee in the future.
Nyanda Elias Ntinginya is the Centre Director at NIMR-Mbeya Medical Research Centre in Tanzania. A Principal Research Scientist with a background as an MD, holder of a MSc in Tropical and Infectious Diseases with a PhD in Medical Research-International Health. He has over 10 years of research experience mainly in TB as the PI, Investigator or coordinator. He participates in several national and international research networks and technical groups including; National TB Operational Research Committee, TB Sequel, International Multidisciplinary Programme to Address Lung Health and TB in Africa (IMPALA), Pan African Consortium For the Evaluation of the Anti-tuberculosis Antibiotic (PanACEA).
Dr Muhammad Osman

Research clinician, Stellenbosch University, South Africa

School of Public Health and Family Medicine, University of Cape Town, South Africa

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While a clinician Dr Osman initiated operational research in TB contact tracing as well as a review of implementation of the GeneXpert as a new diagnostic test in primary care. Following this he has undertaken a Post Graduate Diploma in Health Management (Oliver Tambo Fellowship) and thereafter Masters training in Epidemiology as a Fogarty Fellow at Columbia University. He has continued research in the field of TB and has specifically looked at the effect of HIV on TB related mortality in Cape Town and is currently working on his PhD: TB-associated mortality in South Africa: longitudinal trends and the impact of health system interventions. His focus has been on both epidemiological and health systems and this has provided a bridge between his clinical and public health experience. He is currently a PI on the evaluation of the South African TB treatment register data and co-PI on a BMGF funded implementation science study to evaluate the impact of health system interventions on initial loss to follow up of TB patients. He is committed to studies exploring the epidemiology of TB especially in South Africa.

Speaker: Mortality after TB
Dr Obianuju Ozoh
Pulmonologist
Department of Medicine,
College of Medicine
University of Lagos,
Lagos, Nigeria

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Dr Obianuju “Uju” Ozoh is a Pulmonologist and Senior Lecturer at the College of Medicine of the University of Lagos, Lagos, Nigeria. She is also the Head of the Respiratory Unit at the Lagos University Teaching Hospital, Lagos, Nigeria.

Her research interests include the pulmonary complications of chronic diseases such as Tuberculosis, Diabetes and sickle cell Disease as well as airway diseases (asthma and COPD), tobacco epidemiology and health effects of air pollution.

Dr Ozoh is committed to improving the practice of Respiratory Medicine in Nigeria through research, advocacy and capacity building.
Jotam Pasipanodya

Centre for Infectious Diseases Research and Experimental Therapeutics, Baylor Research Institute, Baylor University Medical Center, Dallas, Texas, USA

Jotam.Pasipanodya@BSWHealth.org

Jotam completed his medical training (MBChB) in Zimbabwe. He did his doctoral training under the supervision of Professor Stephen Weis, at University of North Texas Health Sciences Center in Fort Worth, Texas, where he studied pulmonary impairment in culture confirmed TB patients who had been cured and had completed TB therapy. He then joined Professor Gumbo’s group as a post-doc and then junior faculty (at University of Southwestern Medical Center and Baylor University Medical Center, in Dallas, Texas), working on pharmacokinetics and pharmacodynamics of anti-infectives and immune-modulators. His interest is in quantitative study of host-pathogen interactions using nonlinear analyses, machine-learning and systems’ approach.
Dr Ramonde Patientia

Research clinician
TASK Applied Sciences, Cape Town, South Africa

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Ramonde Patientia is a medical doctor with an interest in global health, digital health and adolescent health promotion. She currently works as a clinical trial Investigator at TASK Applied Science. She has experience with Phase 2 and 3 trials for novel MDR and DS-TB medications.
At present she is actively involved in vaccine studies for TB and other infections.
Richard Pitcher is a diagnostic radiologist and current executive head of the Department of Medical Imaging and Clinical Oncology of Stellenbosch University. He additionally serves as the President of the College of Radiologists Within the Colleges of Medicine of South Africa, and is on the Board of Directors of the Colleges of Medicine of South Africa. He previously served as the Head of Paediatric Radiology at Red Cross War Memorial Children’s Hospital under the University of Cape Town. He has extensive clinical experience with post-TB lung disease in both paediatric and adult populations.
Jan-Loot Pretorius is a Specialist Physician (2012) and Sub-specialist in Infectious Diseases (2014), working in a secondary level public hospital in Worcester, South Africa. He has a special interest in MDR-TB and is experienced in managing both inpatients and outpatients with drug sensitive TB, drug resistant TB and a wide spectrum of Post-TB-related disease.
Dr Andrea Rachow

Clinician researcher
Division of Infectious Diseases and Tropical Medicine, University of Munich, Germany

Andrea qualified as medical doctor in 2004. From 2004 to 2009, she was trained to become an Internal Medicine specialist in Cologne and Berlin. In Berlin at the Charité University Hospital, Andrea made first experience with the treatment of patients with all forms of tuberculosis. From 2009 until 2012 Andrea held the position as the head of TB department at the Mbeya Medical Research Center, a research collaboration between the Ludwig-Maximilians-University in Munich (LMU), the Mbeya Referral Hospital (MRH) and the Regional Medical Office in Mbeya, Tanzania. After her return to Germany, Andrea continued to work as senior researcher and specialist in tropical medicine at the Department of Infectious Diseases and Tropical Medicine at LMU. Her research activities encompass TB diagnostic trials for analyses of new diagnostic and therapeutic markers and, more previously, TB cohort studies with emphasis on longterm clinical TB outcomes.

Speaker: Pulmonary TB Outcomes
Chair: Workshop 8
Prof Simon Schaaf

Distinguished Professor
Division of Paediatrics and Child Health, Stellenbosch University, South Africa
Desmond Tutu TB Center, Stellenbosch University, South Africa

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Prof H. Simon Schaaf is Distinguished Professor and Senior Specialist at the Department of Paediatrics and Child Health, Faculty of Medicine and Health Sciences, Stellenbosch University and Tygerberg Children’s Hospital, Cape Town.

He completed his doctoral degree in drug-resistant tuberculosis in children at Stellenbosch University.

He is an active clinician and infectious diseases subspecialist. He has published extensively, with the emphasis of his research on childhood TB with special focus on MDR-TB and TB drug pharmacokinetics in children.
Ingrid Schoeman was born in 1985 and raised in Mpumalanga province. In 2008 Ingrid started working as a dietician in children’s wards at a public hospital and loved her job. In 2012 she was diagnosed with drug-resistant tuberculosis, which nearly killed her. She was hospitalised for 75 days of which one month was spent in ICU after developing liver failure which caused her to fall into a coma. Today she is a passionate advocate for TB Proof, a diverse TB advocacy organisation that provides platforms where TB affected communities can contribute to improving TB prevention and quality of care.

**Speaker: Patient perspectives**

**Chair: Workshop 7**
Sigrid Schulz is a physician who has been working as a medical officer in the public health system of South Africa for over 14 years in the field of HIV and Tuberculosis.

She works with patients admitted for complicated and drug-resistant disease through Brewelskloof TB hospital in the Breede Valley subdistrict, as well performing outreach and support to doctors and nursing staff managing TB and HIV as outpatients at district clinics.
Dr Jane Shaw

Pulmonologist
Division of Pulmonology, Stellenbosch University, South Africa

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Jane Alexandra Shaw is a specialist Physician and Pulmonologist from Cape Town. She obtained her MBChB at the University of Cape Town in 2008, thereafter enjoying internship and community service in Paarl Hospital. She specialised in Internal Medicine through Stellenbosch University, obtaining a Masters degree in Medicine and becoming a Fellow of the College of Physicians (SA) in 2016. In 2018 she completed a second Masters degree and passed the Certificate in Pulmonology. She is a member of the South African Thoracic Society and the Interventional Pulmonology Society of South Africa. She is a clinician and interventionalist, and is early in her academic career with 17 peer-reviewed publications (a further 3 in press) and two book chapters. She works as a clinician in Tygerberg Hospital and interacts with patients who suffer the sequelae of Tuberculosis on a daily basis.
Dr Cari Stek
Infectious diseases physician, researcher
University of Cape Town, South Africa
Institute of Tropical Medicine, Antwerp, Belgium

cari_stek@hotmail.com

Cari is an infectious disease physician from The Netherlands. She completed her training in Groningen in 2008 and worked as a physician for several years. In 2013 she relocated to Cape Town, where her career entered the world of research. She started a PhD (and hopes to finish soon), looking at various aspects of prednisone for the prevention of tuberculosis-associated immune reconstitution inflammatory syndrome (TB-IRIS), under the joined supervision of prof Graeme Meintjes (University of Cape Town) and prof Lut Lynen (Institute of Tropical Medicine in Antwerp, Belgium). Amongst others, she looked at lung function impairment in patients with HIV-associated TB and immune mechanisms underlying TB-IRIS. She recently started working on a tuberculous meningitis trial.
Dr Cathrine Tadyanemhandu

Postdoctoral fellow and lecturer
Department of Rehabilitation, University of Zimbabwe

cathytadya@gmail.com

Cathrine Tadyanemhandu, is a postdoctoral fellow in whose research interest focuses on improving the management and long term outcomes of patients post-Tuberculosis treatment. She is a physiotherapy lecturer in the Department of Rehabilitation, University of Zimbabwe. She finished her Master’s degree in Physiotherapy (Cardiorespiratory) at the University of Cape Town, South Africa in 2014 and her subsequent PhD research focused on translating research evidence into clinical practice in patients admitted in intensive care unit. She has published articles in reputed journals under the following areas; early mobilisation, physiotherapy in ICU, HIV and Tuberculosis and evidence based practice in physiotherapy.
Dr Jantjie Taljaard

Infectious diseases specialist
Head: Division of Infectious Disease, Department of Medicine, Stellenbosch University, South Africa

jjt@sun.ac.za

Dr Jantjie Taljaard graduated from the University of Pretoria in 1991 and worked for 2 years at Polekwane Hospital. After working as a GP in Canada and England for 2 years he settled in Paarl where he worked as a medical officer in Paarl Hospital. He obtained a MMed Internal medicine from the University of Stellenbosch in 2001, DTM&H from Wits in 2002 and completed additional HIV training at the NIH in Washington.

He has a keen interest in post-graduate training and in 2004 collaborated with the School of Nursing at the University of Fort Hare to establish a Post Graduate Diploma in HIV Management for nurses. More than 500 nurses have since graduated from this programme.

He is currently head of the Division of Infectious Diseases at Tygerberg Academic Hospital and the University of Stellenbosch.

Research interests include HIV comorbidities, the critically ill HIV patient, hospital acquired MDR infections and tick borne infections.
Dr Grant Theron is an Associate Professor in the Department of Biomedical Sciences at Stellenbosch University. His group (Clinical Mycobacteriology and Epidemiology, CLIME) is comprised of 27 individuals who do research on tuberculosis. He has approximately 70 publications in the fields of diagnosis, drug-resistance, and the microbiome. His work has impacted global tuberculosis diagnostic policy and attracted international recognition.
Phumeza Tisile, from Khayelitsha in South Africa, was diagnosed with TB in 2010, and her diagnosis later changed to multi-drug resistant TB, and finally extremely drug-resistant TB. While on treatment Tisile began speaking out about the impact treatment was having on her body and mind.

As a result of her treatment, Tisile lost her hearing. She eventually received two cochlear implants, paid for by privately-raised funds. Having regained her hearing she committed to raising awareness around the harshness of drug-resistant TB treatment and the need for shorter, less toxic alternatives.

Tisile has been made her voice heard at many high level events, including the World Health Assembly, The Union Conference and the first ever UN High Level Meeting on TB.

“I like to promote the idea that often the most meaningful thing you can do as a survivor of TB is share your experience directly with someone who has TB, helping to keep them positive on what remains a very difficult journey,” She says.
Dr Marieke van der Zalm
Paediatrician
Research clinician
Desmond Tutu TB Centre, Stellenbosch University, South Africa

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Marieke van der Zalm is a paediatrician and research clinician at the Desmond Tutu TB centre (DTTC), Stellenbosch University. She received her undergraduate degree from the University of Utrecht in the Netherlands. She also attained her Masters in clinical epidemiology and completed a PhD on the role of respiratory pathogens in a large birth cohort study in the Netherlands, which included infant lung function measurements. Her paediatric specialist training was done in the Netherlands and included training in South Africa which strengthened her passion for infectious diseases and especially pulmonary tuberculosis (TB) in children. During 2014, she joined the DTTC, Department of Paediatrics and Child Health of Stellenbosch University, and has been involved in several clinical trials and observational diagnostic cohort studies. Currently she is the principal investigator of a TB diagnostic and lung health study that investigates the impact of TB and respiratory co-infections on lung health and lung function measurements in children. Her major passion is to determine the impact of TB on lung health in children making this a research priority. Together with Brian Allwood and Florian Marx she was actively involved in the organization of the post TB symposium as member of the steering committee.
Dr Sanne van Kampen

Research clinician
Leiden University Medical Center, The Netherlands

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Dr Sanne van Kampen has over ten years of experience in lung health research. She recently conducted a systematic review and prevalence survey on post-tuberculosis lung disorder at the University of Plymouth. Previously she worked for the World Health Organization and KNCV Tuberculosis Foundation on the implementation and evaluation of new diagnostics for tuberculosis. She currently works at Leiden University Medical Center on health innovations for chronic (lung) diseases. Sanne has a PhD in Global Health and MSc in Biomedical Sciences from the University of Amsterdam, and a MSc in Epidemiology from the London School of Hygiene and Tropical Medicine.

Speaker: Therapies for treatment post TB
Chair: Workshop 6
Dalene qualified as a medical doctor in 2006. Her dreams of becoming a paediatric surgeon were shattered when she was diagnosed with primary multi-drug resistant (MDR) pulmonary in 2010. What followed was a harrowing 19 months of treatment, during which she had to make some potentially life-threatening decisions to preserve her hearing and career. Dalene had optimal access to all forms of care, including very fortuitous use of the first new TB drug in 42 years, bedaquiline, on South Africa’s short-lived 2011 compassionate use program. She considers herself extremely fortunate to have recovered so well from this debilitating disease, but the majority of other DR TB patients are not nearly as lucky. Dalene has subsequently become a very motivated TB patient/physician advocate, campaigning for more effective, safer and equitable treatment options. She is also a founding member of “TB Proof”, an education and awareness community seeking to destigmatize all forms of TB and empower health care workers and students to protect themselves and their patients more effectively against nosocomial TB transmission. Her advocacy work involves various national and international platforms, including being a member of the WHO’s Strategic and Technical advisory group for TB (STAG TB) as well as the Global Drug-Resistant TB Initiative Core Group (STOP TB Partnership). She was selected as a National TB Ambassador by previous South African Minister of Health Dr Aaron Motsoaledi in 2015.
Dillon Wademan

Researcher, Desmond Tutu TB Centre, Stellenbosch University, South Africa

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Dillon Wademan is a PhD student at Stellenbosch University, Department of Paediatrics and Child Health, and works as a researcher in the sociobehavioural sciences team at the Desmond Tutu TB Centre. In this capacity, Dillon has conducted several studies on the acceptability of antituberculosis treatment in the context of paediatric TB, post-TB disease and health workers providing care to PLHIV, TB and chronic diseases. In his PhD, Dillon explores how young people negotiate care for chronic and acute diseases in families experiencing multiple, overlapping diseases.
Dr James Wagude

Infectious Diseases Specialist and Consultant Physician
Ministry of Health, Siaya County, Kenya

jwagude@gmail.com

Dr James Wagude is a consultant physician with the Ministry of Health in Kenya and has several years’ experience in infectious diseases especially Tuberculosis and HIV. He is an alumni of the Arthur Ashe HIV/AIDS Fellowship from Weill Medical College of Cornell University and underwent training in Clinical Management of Drug-Resistant TB by the International Union against Tuberculosis and Lung Disease. As an Infectious Disease expert, Dr Wagude provides technical support to the National Tuberculosis, Leprosy and Lung Disease Program (NTLLP) in Kenya and the Programmatic Management of Drug-Resistant TB in Siaya County, Kenya where he is currently based.
Dr Naomi Walker
Clinician researcher
London School of Hygiene and Tropical Medicine, UK

Naomi.Walker@lshtm.ac.uk

Naomi Walker is an Academic Clinical Lecturer at London School of Hygiene and Tropical Medicine and a clinical specialist in Tropical and General Internal Medicine. Her research interest is in immunopathology in TB, particularly understanding this in the context of HIV infection and antiretroviral therapy. During her PhD (based at Imperial College London and University of Cape Town), through observational cohort studies, she investigated mechanisms of tissue damage in HIV-associated TB and is currently developing translational aspects of this work in pursuit of improved diagnostics and therapeutic strategies.

Speaker: Mechanisms of TB destruction
Chair: Workshop 5
Dr Wallis is an Infectious Disease physician and translational research scientist whose career has spanned academic and pharmaceutical industry positions. He currently holds adjunct appointments as Professor at Case Western Reserve University (Cleveland) and Rutgers University (Newark), where he previously held full-time positions.

His research has focused on the development of TB host-directed therapies, antimicrobial drugs, biomarkers, and vaccines. At Pfizer, he chaired the Technical Review Committee responsible for guiding all clinical Infectious Disease research, and led the team responsible for the development of sutezolid, an oxazolidinone, for TB. Since 2014, he has served as the Chief Science Officer for the Aurum Institute, a non-profit South African research institute dedicated to improving the health of people around the world living in poverty. As CSO, Prof Wallis is responsible for the development of translational and clinical research programs to advance host-directed and antimicrobial therapies for tuberculosis treatment and prevention.
Gerhard Walzl is a clinician scientist, trained in internal medicine and pulmonology and currently leads the Stellenbosch University Immunology Research Group in Cape Town, South Africa. Their research focuses on the immunology of Mycobacterium tuberculosis (MTB) infection and in particular host biomarkers, including diagnostic markers, markers of TB treatment response and markers of protective immunity against MTB. Their team performs both clinical and laboratory research. They conduct clinical studies to recruit participants with well-characterized MTB infection and disease phenotypes in a high TB-incidence setting to search for host biomarkers and the ultimate aim is to develop field-friendly tests to combat TB. Their research spans the divide between clinical and basic sciences in a high TB prevalence area.
Lesley Workman

Epidemiologist
UCT Lung Institute,
University of Cape Town,
South Africa

Lesley.workman@uct.ac.za

Lesley has her master’s degree in Epidemiology and is currently employed by UCT Lung Institute in the department of Paediatrics, as a data analyst for prospective studies exploring methods to improve diagnosis of tuberculosis in children in South Africa.

She has almost 10 years of experience working to improve and develop new tools to promote data integration, summarization and visualization of resistance patterns in anti-malarial resistance, in addition she has played an integral role in developing a global data standard for malaria.
Heather Zar is Professor & Chair, Department of Paediatrics at Red Cross War Memorial Childrens Hospital and Director, SA-MRC Unit on Child & Adolescent Health, UCT. An NRF-A1 rated scientist, her work focuses on child lung health including pneumonia and tuberculosis. She’s developed a strong clinical translational research program with a focus on novel strategies for diagnosis of TB and on preventive strategies in HIV-infected children. She’s established a novel African birth cohort study, the Drakenstein Child Health study to investigate the early life determinants of child health, showing high rates of TB disease and infection. She received the World Lung Health award in 2014 and the L’Oréal-UNESCO for Women in Science Laureate for Africa/Arabia in 2018.
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