



**Stellenbosch**  
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UNIVERSITEIT

forward together  
sonke siya phambili  
saam vorentoe

**DIVISION OF MOLECULAR BIOLOGY AND HUMAN GENETICS**  
**FACULTY OF MEDICINE AND HEALTH SCIENCES**

# **SOCIETAL IMPACT REPORT 2022**



**CENTRE FOR  
TUBERCULOSIS  
RESEARCH**

# OUR MANDATE

The Societal Impact Task Team of Stellenbosch University's Division of Molecular Biology and Human Genetics is committed to facilitate the translation of our research findings both to the communities we serve in the form of science engagement, and to policymakers through feedback sessions; thereby, contributing to building a public and policymaker understanding of health, drivers of ill-health, and practice, interventions and technologies that can prevent ill-health and strengthen health services.

## OUR VISION

To promote meaningful engagement, aim to advance community knowledge, empower communities to take ownership of their health and enthusiasm South African youth around STEM careers.

## OUR MISSION

To engage in innovative, inclusive, sustainable and transformative engagement with the individuals, social groups, organizations and institutions we serve.

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# FOREWORD BY OUR SOCIETAL IMPACT CHAIRPERSON

As Chairperson of the Societal Impact Task Team (SITT), I am honored to present the annual report for the year 2022, reflecting upon a year of remarkable progress and achievement.

Our organization's commitment to continuous improvement and innovation has been evident throughout the year, as we strive to create space for passionate young minds to contribute their distinct perspectives on the intersection of science and society. Embracing inclusivity, responsiveness, and relevance has been at the forefront of our efforts as we endeavor to serve civil society in the most meaningful and impactful ways possible.

I would like to take this opportunity to express my gratitude to Rouxjeane, our Vice Chairperson, for her invaluable contribution to the team. She has been a terrific partner, bringing insight, dedication, and

leadership to our endeavors. Her contributions have been integral to the success of our team, and I look forward to continuing our collaboration in the future.

In closing, I extend my gratitude to each member of the SITT for their passion, creativity, and commitment, which have been the driving force behind our achievements. Together, we have laid a strong foundation for future endeavors, and I am excited to see where our collective journey takes us next.



**DANNIELLE KENNY**

SITT Chairperson  
Science Communications  
Manager

# FOREWORD BY OUR SOCIETAL IMPACT **VICE** **CHAIRPERSON**

The Societal Impact Task Team had an incredible year this year thanks to our growing membership, which allowed us to take part in a number of events, expos, open days, and engagements. In addition, SITT moved to include a societal impact activity in the postgraduate students' Memorandum of Understanding because we think that participating in SI activities helps postgraduate students realize the potential impact of their work and opens up opportunities for community members to engage with and influence research being conducted. This year also saw the establishment of the Social Media Working Group within SITT, who were responsible for running social media initiatives such as the MBHG Myth-busting Mondays and will continue grow in 2023. One of our biggest projects this year was the TB: The HeART of the Matter

initiative, which aimed at spreading positive messages and important information about TB through art done by local artists, students and staff from MBHG and residents at 5 local clinics in our research area. It was truly amazing, inspiring, and humbling to engage with TB survivors, members of the community and TB clinical staff. Most excitedly, we are so proud that the SITT team won best exhibition at the Scifest Africa 2022, which took place from 7-13 September in Makhanda this year! My first year as Vice Chair has been truly wonderful and can't wait to get started on all the many exciting projects planned for 2023!



**ROUXJEANE VENTER**  
SITT Vice-Chairperson

# INTRODUCTION

In keeping with our Centre's vision for social impact, the CTR aims to promote meaningful, inclusive, and sustainable engagement to catalyse positive change in the health of our nation. Our engagement strategy incorporates a transformative focus with features of reciprocity, mutuality and partnership between the division and various stakeholders and role-players in society. We will intentionally seek mutual benefit between the MBHG Division and external societal partners in our goal to address inequality and other underlying causes of ill health in South Africa.

We strive to achieve the National Development Plan 2030 goals and contribute towards the United Nations Sustainable Development Goals (SDGs) 3 (ensure healthy lives and promote well-being for all at all ages), 4 (ensure inclusive and equitable quality education and promote lifelong learning opportunities for all) and 5 (achieve gender equality and empower all women and girls). In response to the social restrictions imposed due to the Covid-19 pandemic, the CTR made every effort to adapt our public engagement strategy to ensure active engagement with key stakeholders during the reporting period.

A summary of the societal impact activities of the CTR for 2022 organised into four categories according to the type of engagement strategy utilized, namely science communication, community engagement initiatives, public awareness events and social outreach activities, are listed below.

## PART A: SCIENCE COMMUNICATION & EDUCATIONAL PRESENTATIONS

**Aimed at engaging a wide audience, facilitating mass communication, and providing news to people throughout the country and abroad to facilitate translation of research findings into a format accessible to the public, including but not limited to policymakers, community leaders, healthcare professionals, science-enthused youth and NPO.**

Activities within this category include (1) media interviews with journalists, radio interviews, TV appearances, podcast appearances, dedicated science-centred social media accounts, STEM-focused social media campaigns and live streaming events; (2) popular science pieces such as press releases, evidence briefs, e- or printed newspaper articles, opinion pieces, blog posts, websites, and newsletters; as well as (3) educational presentations. Activities within this category include formal seminars, round table discussions, feedback meetings with key stakeholders, academic meetings with scientific peers and science-related training workshops with non-scientific target audiences.

A comprehensive list of our Centre's science communication activities together with a brief description and in-text links to the various online resources for the reporting period are listed below.

## Media Interviews

Date	Delivery Mode	MBHG Member/Group	Description
<b>23/02/2022</b>	Telephonic Interview by Eleanor Butler, a MSc student in International Journalism at City, University of London for an assignment.	Mbali Mkhonza, PhD candidate within the SU Immunology Research Group	The radio report focused on African countries being given access to mRNA technology under the WHO's global mRNA technology transfer hub. This radio package was not made available to the broader public and will only be seen and heard by fellow students and lecturers.
<b>23/02/2022</b>	talks@StellenboschUni Podcast	Prof Shahida Moosa, Head of the Rare Disease Genomics in SA (RDGSA) Research group	In celebration of Rare Disease Day, Prof Moosa was featured on the "talks at Stellenbosch University" highlighting the importance of paying more attention to rare diseases and supporting families affected by it. <a href="#">[Listen]</a>
<b>28/02/2022</b>	YouTube video	Prof Shahida Moosa, Head of the Rare Disease Genomics in SA (RDGSA) Research group	In celebration of Rare Disease Day, Diplomics interviewed Prof Moosa to discuss the #28DaysofRare campaign and the impact #omics has had on research endeavours of the RDGSA. <a href="#">[View]</a>
<b>03/03/2022</b>	Radio Interview	Dr Wynand Goosen, Early career researcher within	In celebration of World Wildlife Day, RGS monitor show spoke to Dr Goosen about the



		the Animal TB Research Group	prevalence of TB within the elephant population at Kruger National Park and how his research aims to address this. <a href="#">[Listen]</a>
<b>03/03/2022</b>	TV appearance (aired interview)	Prof Michele Miller, Head of the Animal TB Research group	In celebration of World Wildlife Day, Prof Miller was featured in a SABC News segment titled "Mystery over the death of an elephant bull due to human form of tuberculosis" highlighting the research efforts of the Animal TB Research group within the Kruger National Park <a href="#">[View]</a>
<b>03/03/2022</b>	Photo Essay and Online interview	Prof Michele Miller, Head of the Animal TB Research group	In celebration of World Wildlife Day, Eye Witness News (EWN) featured Prof Miller in a photo essay news segment titled "KNP gives wings to zoonotic disease testing in elephants" highlighting the research efforts of the Animal TB Research group within the Kruger National Park. <a href="#">[Read]</a>
<b>04/03/2022</b>	Online interview	Erin McMasters, MSc candidate within Vuyo Lab	Jaden, an 8th grader at Dutchmann Creek Middle School in South Carolina, interviewed a

			young researcher at MBHG for a job shadow assignment.
<b>10/03/2022</b>	Radio interview	Prof Michele Miller, Head of the Animal TB Research group	In celebration of World Wildlife Day, RISE FM spoke to Prof Miller about the prevalence of TB within the elephant population at Kruger National Park and how the Animal TB groups research aims to address this.
<b>23/03/2022</b>	TV interview	Prof André Loxton, Deputy Director of the SAMRC Centre for TB Research and Head of Adaptive Immunity Lab within the SU Immunology Research Group	In commemoration of World TB Day 2022, Prof Loxton was interviewed by Heindrich Wyngaard from KykNET & Kie for the #KLOP (Kô, Lat Ons Praat) feature about the current state of the TB epidemic and the steps that need to be taken in order to manage and eliminate the disease. <a href="#">[View]</a>
<b>05/04/2022</b>	Radio Interview	Dr Christina Meiring, PhD graduate within the Animal TB Research Group	Dr Meiring was interviewed by John Maytham from Cape Talk radio on the Afternoon Drive following her graduation ceremony where she was awarded a PhD in Molecular Biology at the University of Stellenbosch for her research

			investigating the genome of critical endangered African wild dogs.
<b>03/06/2022</b>	YouTube video	Division of Molecular Biology and Human Genetics (MBHG)	Our World TB Day 2022 community engagement project "TB: the HeART of the matter" was featured in a Best practices in #SciComm video created by the Global Young Academy as part of the <a href="#">"Science in Society (SCISO)" project</a> . The film premiered at the Annual International Conference for Young Scientists on 3 <sup>rd</sup> June at 2pm SAST. <a href="#">[View]</a>
<b>05/07/2022</b>	Radio Interview	Prof Michele Miller, Head of the Animal TB Research group	Channel Africa spoke to Prof Miller about the prevalence of TB within the elephant population at Kruger National Park and the role of the Animal TB groups research in the detection and management of this.
<b>23/08/2022</b>	Radio Interview	Dr Eduard Roos, PhD graduate of the Animal TB Research Group	Radiosondergrense (RSG) presenters Lise Roberts and Koos du Pisanie spoke to Dr Roos about the research being done into TB and warthogs.
<b>24/08/2022</b>	Radio Interview	Prof Novel Chegou,	Voice of the Cape spoke to Prof

		Head of the TB Diagnostics Biomarker Lab within the SU Immunology Research Group	Chegou about his recent award of the prestigious 'The Royal Society Africa Prize 2022' for his pioneering TB diagnostic research.
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## Popular Science Article

Date	Delivery Mode	MBHG Member/Group	Description
<b>03/02/2022</b>	Online Article	Prof Marlo Möller, Group head and Dr Elouise Elizabeth Kroon, Researcher within TB Host Genetics Group	News article published in MedScape WebMD Health News titled "Why Do Some People Escape Infection That Sickens Others?" highlighting the research efforts of the TB Host Genetics Research Group towards understanding disease resistance and susceptibility during in the "Thwarting Tuberculosis" subsection. <a href="#">[Read]</a>
<b>23/02/2022</b>	Online Article	Dr Eduward Roos, PhD graduate of SU Animal TB Research Group	Article titled "Warthogs and the spread of bovine tuberculosis" featured in the National Research Foundation (NRF) Science Matters Magazine Volume 4 Issue 3. <a href="#">[Read]</a>
<b>23/02/2022</b>	Digital and Print Article	Prof Shahida Moosa, Head of the Rare Disease Genomics in SA (RDGSA) Research group	Article titled "On the Warpath Against Rare Diseases" highlighting the research efforts of the RDGSA group published in the <a href="#">Stellenbosch University Medicine and Health Sciences Annual Faculty Publication 2021</a> . <a href="#">[Read]</a>
<b>24/02/2022</b>	Online Article	Dr Wynand Goosen, Early career researcher within	Feature article titled "TB researcher receives grant from the Wellcome

		the Animal TB Research Group	Trust" highlighting planned research activities of the SU Animal TB Research Group to develop novel molecular diagnostic tools to identify potential zoonotic pathogens. <a href="#">[Read]</a>
<b>28/02/2022</b>	Online Article	Prof Shahida Moosa, Head of the Rare Disease Genomics in SA (RDGSA) Research group	Opinion piece titled "South Africans with rare diseases still being left behind" highlighting the #28DaysOfRare campaign and research efforts of the RDGSA group published on Health24 website and shared on the Faculty of Medicine and Health Sciences News page for Rare Disease Day. <a href="#">[Read]</a>
<b>03/03/2022</b>	Online Article	Animal TB Research Group	In celebration of World Wildlife Day, Independent Online (IOL) published a feature article titled "Elephant darted, tested for tuberculosis in Kruger National Park" highlighting the research efforts of the Animal TB Research group within the Kruger National Park. <a href="#">[Read]</a>
<b>03/03/2022</b>	Online Article	Prof Michele Miller, Head of the Animal TB Research group	In celebration of World Wildlife Day, Pretoria Rekord featured Prof Miller in a news segment titled "Reverse zoonotic TB transmission prompts testing of elephants at Kruger National Park" highlighting the research efforts of the Animal TB Research group within the Kruger National Park. <a href="#">[Read]</a>

<b>03/03/2022</b>	Online Article	Prof Michele Miller, Head of the Animal TB Research group	In celebration of World Wildlife Day, The Citizen published an article titled "Experts puzzled by elephant's death due to human form of TB" which underscored the research efforts of the Animal TB Research group within the Kruger National Park. <a href="#">[Read]</a>
<b>03/03/2022</b>	Online news article	Prof Michele Miller, Head of the Animal TB Research group	In celebration of World Wildlife Day, Getaway published an article titled: "Elephant darted and tested for tuberculosis in Kruger National Park" underscoring the prevalence of TB within the elephant population at Kruger National Park and the impact thereof. <a href="#">[Read]</a>
<b>03/03/2022</b>	Online News article	Prof Michele Miller, Head of the Animal TB Research group	In celebration of World Wildlife Day, the Daily Sun Gauteng published an article titled: "Deadly TB bugs Kruger elephants" underscoring the prevalence of TB within the elephant population at Kruger National Park <a href="#">[Read]</a>
<b>24/03/2022</b>	Online Article	Prof Grand Theron, Head of the Clinical Mycobacteriology and Epidemiology Research group Prof Marlo Möller, Head of the TB Host Genetics Research Group	Feature article titled "Top FMHS scientists on the red carpet" highlighting award of SAMRC Gold and Silver Awards to MBHG researchers Profs Theron and Möller respectively at the 8th Scientific Merit Awards ceremony. <a href="#">[Read]</a>
<b>31/03/2022</b>	Newspaper Article	Biomedical Research Institute (BMRI) Clinical Unit	In celebration of World TB Day 2022, the BMRI Clinical team hosted a TB awareness and testing drive within the West Coast region which was

			highlighted in an article titled "Spesiale span bekyk nou TB" in a local newspaper, Die Weslander [ <a href="#">Read</a>   page 10]
<b>31/03/2022</b>	Online Article	Prof Robin Warren, Unit Director of the SAMRC Centre for TB Research and Head of TB Genomics Research Group	Feature article titled "Stellenbosch University's cohort of A-rated researchers increases" highlighting the award on A1- NRF rating to MBHG researcher, Prof Warren. [ <a href="#">Read</a> ]
<b>05/04/2022</b>	Online Article	Dr Christina Meiring, PhD graduate within the Animal TB Research Group	Feature article titled "PhD maps genome of critical endangered African wild dog" highlighting the research efforts of PhD graduate Dr Meiring published in the Faculty of Medicine and Health Sciences Graduation 2022 series. [ <a href="#">Read</a> ]
<b>05/04/2022</b>	Online Article	Dr Christina Meiring, PhD graduate within the Animal TB Research Group	News article published in Cape Times titled "Study provides unique insight into 'fascinating, charismatic' African wild dogs" highlighting the research project of PhD graduate Dr Meiring following her graduation on 5 <sup>th</sup> April 2022. [ <a href="#">Read</a> ]
<b>06/04/2022</b>	Online Article	Dr Christina Meiring, PhD graduate within the Animal TB Research Group	Independent Online (IOL) published a news article titled "Stellenbosch University PhD student maps genome of critical endangered African wild dog" highlighting the research project of PhD graduate Dr Meiring following her graduation on 5 <sup>th</sup> April 2022. [ <a href="#">Read</a> ]
<b>08/04/2022</b>	Online Article	Dr Christina Meiring, PhD graduate within	Netwerk24 published a feature article titled "PhD span kroon op unieke

		the Animal TB Research Group	studie" highlighting the research project of PhD graduate Dr Meiring following her graduation on 5 <sup>th</sup> April 2022. <a href="#">[Read]</a>
<b>13/04/2022</b>	Online Article	Prof Robin Warren, Unit Director of the SAMRC Centre for TB Research and Head of TB Genomics Research Group Prof Novel Chegou, Head of TB Biomarker Lab within the SU Immunology Research Group	Feature article titled "Two FMHS scientists join ranks of A1-rated researchers" outlining the recent NRF A1- and B3- ratings bestowed on MBHG researchers Profs Warren and Chegou, respectively. <a href="#">[Read]</a>
<b>22/04/2022</b>	Online Article	Dr Christina Meiring, PhD graduate within the Animal TB Research Group	Feature article titled "Postgraduate Scientific Research Booming at SU" highlighting the research efforts of PhD graduate Dr Meiring published in "Die Matie" official student newspaper of SU <a href="#">[Read]</a>
<b>05/05/2022</b>	Online Article	Dr Christina Meiring, PhD graduate within the Animal TB Research Group	Lanbouweekblad published a feature article titled "Wildehonde se gene bekyk" highlighting the research project of PhD graduate Dr Meiring following her graduation on 5 <sup>th</sup> April 2022. <a href="#">[Read]</a>
<b>10/05/2022</b>	Online Article	Prof Robin Warren, Unit Director of the SAMRC Centre for TB Research and Head of TB Genomics Research Group	Feature article published by SAMRC corporate marketing titled "Eminent SAMRC Scientist joins research A-listers" highlighting the award on A1- NRF rating to MBHG researcher, Prof Warren. <a href="#">[Read]</a>
<b>18/05/2022</b>	Online Article	Mrs Dannielle Kenny, Communications and Marketing	News article published in the Weekend Argus titled "Mural inspires hope for TB patients" highlighting



		Officer at the Division of Molecular Biology and Human Genetics (MBHG)	the TB: the heART of the matter community engagement project hosted in commemoration of World TB Day 2022 at local clinic <a href="#">[Read]</a>
<b>18/05/2022</b>	Online Article	Mrs Dannielle Kenny, Communications and Marketing Officer at the Division of Molecular Biology and Human Genetics (MBHG)	<p>News article published in Cape Times titled "Mural aims to educate and encourage TB sufferers and the community" highlighting the TB: the heART of the matter community engagement project hosted in commemoration of World TB Day 2022 at local clinic <a href="#">[Read]</a></p> <p>This article was reshared by News Explorer: Internet Explorer Channel News <a href="#">[Read]</a></p>
<b>18/05/2022</b>	Online Article	Mrs Dannielle Kenny, Communications and Marketing Officer at the Division of Molecular Biology and Human Genetics (MBHG)	Independent Online (IOL) news article titled "Mural aims to educate and encourage TB sufferers and the community" highlighting the TB: the heART of the matter community engagement project hosted in commemoration of World TB Day 2022 at local clinic reshared by News Explorer: Internet Explorer Channel News <a href="#">[Read]</a>
<b>25/05/2022</b>	MBHG Blog	Mrs Dannielle Kenny, Communications and Marketing Officer at the Division of Molecular Biology and Human Genetics (MBHG)	News article titled "Mural series inspires hope in fight against TB" published on the MBHG blog highlighting the TB: the heART of the matter community engagement project hosted in commemoration of World TB Day 2022.

<b>25/05/2022</b>	Online Article	Prof Gerhard Walzl, Head of Department: Biomedical Sciences; Head of Division: Molecular Biology and Human Genetics; Head of the SU Immunology Research Group and Dr Wynand Goosen, Early career researcher within the Animal TB Research Group	Feature article titled "SU researchers compete for National Science Awards" highlighting selection of two MBHG researchers as finalists for the 2021/2022 National Science and Technology Forum (NSTF)/South32Awards. <a href="#">[Read]</a>
<b>06/06/2022</b>	Online Article	Prof Shahida Moosa, Head of the Rare Disease Genomics in SA (RDGSA) Research group	Profile article titled "Looking to the future with Professor Shahida Moosa" published Rarity Life issue 02. Rarity Life is an online publication that offers those affected by rare disease, disability and cancer the opportunity to create content that is truly inclusive, to unify our collective experience and to celebrate and share our differences. <a href="#">[Read]</a>
<b>09/06/2023</b>	Online Article	Prof Michele Miller, Group Head, Dr Wynand Goose, Early career researcher and Ms Rebecca Dwyer, PhD candidate within the Animal TB Research Group	News release on San Diego Zoo Wildlife Alliance website titled "Study Finds Evidence of Bovine TB in 15% of Rhinos at South African National Park" highlighting a recently published research article by the Animal TB Research Group in PNAS. <a href="#">[Read]</a>
<b>09/06/2023</b>	Online Article	Prof Michele Miller, Group Head, Dr Wynand Goose, Early career researcher and	News release on Phys.org titled "Study Finds Evidence of Bovine TB in 15% of Rhinos at South African National Park" highlighting a

		Ms Rebecca Dwyer, PhD candidate within the Animal TB Research Group	recently published research article by the Animal TB Research Group in PNAS. <a href="#">[Read]</a>
<b>09/06/2023</b>	Online Article	Prof Michele Miller, Group Head, Dr Wynand Goose, Early career researcher and Ms Rebecca Dwyer, PhD candidate within the Animal TB Research Group	News release on AAAS EurekAlert! titled "Study Finds Evidence of Bovine TB in 15% of Rhinos at South African National Park" highlighting a recently published research article by the Animal TB Research Group in PNAS. <a href="#">[Read]</a>
<b>11/06/2022</b>	Online Article	Prof Michele Miller, Group Head and Dr Wynand Goose, Early career researcher within the Animal TB Research Group	News article on Times Live titled "One in seven Kruger rhinos infected with bovine TB germ, scientists find" highlighting a recently published research article by the Animal TB Research Group in PNAS. <a href="#">[Read]</a>
<b>11/06/2022</b>	Online Article	Prof Michele Miller, Group Head Dr Wynand Goose, Early career researcher within the Animal TB Research Group	News article on Dispatch Live titled "One in seven Kruger rhinos infected with bovine TB germ, scientists find" highlighting a recently published research article by the Animal TB Research Group in PNAS. <a href="#">[Read]</a>
<b>11/06/2022</b>	Online Article	Prof Michele Miller, Group Head and Dr Wynand Goose, Early career researcher within the Animal TB Research Group	News article on Sowetan Live titled "One in seven Kruger rhinos infected with bovine TB germ, scientists find" highlighting a recently published research article by the Animal TB Research Group in PNAS. <a href="#">[Read]</a>
<b>13/06/2022</b>	Online Article	Prof Michele Miller, Group Head, Dr Wynand Goose, Early career researcher and	News article on Maroela media titled "Een uit sewe Kruger-renosters het dalk beestuberkulose" highlighting a recently

		Ms Rebecca Dwyer, PhD candidate within the Animal TB Research Group	published research article by the Animal TB Research Group in PNAS. <a href="#">[Read]</a>
<b>13/06/2022</b>	Online Article	Prof Michele Miller, Group Head, Dr Wynand Goose, Early career researcher and Ms Rebecca Dwyer, PhD candidate within the Animal TB Research Group	Independent Online (IOL) news article titled "Stellenbosch University's novel TB diagnostic test boosts rhino conservation in Kruger Park" highlighting a recently published research article by the Animal TB Research Group in PNAS. <a href="#">[Read]</a>
<b>14/06/2022</b>	Online Article	Prof Michele Miller, Head of the Animal TB Research group	News article on Sunday Times Daily titled "One in seven Kruger rhinos has bovine TB, but no symptoms show" highlighting a recently published research article by the Animal TB Research Group in PNAS. <a href="#">[Read]</a>
<b>14/06/2022</b>	Online Article	Prof Michele Miller, Group Head and Ms Rebecca Dwyer, PhD candidate within the Animal TB Research Group	News article on The Citizen titled "One in seven rhinos in Kruger National Park infected with TB, study reveals" highlighting a recently published research article by the Animal TB Research Group in PNAS. <a href="#">[Read]</a>
<b>14/06/2022</b>	Newspaper Article	Prof Michele Miller, Group Head and Ms Rebecca Dwyer, PhD candidate within the Animal TB Research Group	News article published in The Citizen titled "Kruger park rhinos have TB" highlighting a recently published research article by the Animal TB Research Group in PNAS.
<b>14/06/2022</b>	Newspaper Article	Prof Michele Miller, Group Head and Ms Rebecca Dwyer, PhD candidate within the Animal TB Research Group	News article published in The Mercury titled "Novel TB diagnostic test boosts rhino conservation in Kruger Park" highlighting a recently published research article by the

			Animal TB Research Group in PNAS.
<b>14/06/2022</b>	Newspaper Article	Prof Michele Miller, Head of the Animal TB Research group	News article published in The Herald titled "One in seven Kruger rhinos have bovine TB, but show no symptoms" highlighting a recently published research article by the Animal TB Research Group in PNAS.
<b>14/06/2022</b>	Newspaper Article	Ms Rebecca Dwyer, PhD candidate within the Animal TB Research Group	News article published in Cape Times titled "One in seven KNP rhinos are infected with TB" highlighting a recently published research article by the Animal TB Research Group in PNAS.
<b>14/06/2022</b>	Online Article	Prof Michele Miller, Group Head and Dr Wynand Goosen, Early career researcher within the Animal TB Research group	News article on Gateway titled "TB is detected in one in seven Kruger rhinos" highlighting a recently published research article by the Animal TB Research Group in PNAS. <a href="#">[Read]</a>
<b>15/06/2022</b>	Newspaper Article	Ms Rebecca Dwyer, PhD candidate within the Animal TB Research Group	News article published in The Star titled "One in 7 KNP rhinos carry TB infection" highlighting a recently published research article by the Animal TB Research Group in PNAS.
<b>15/06/2022</b>	Newspaper Article	Prof Michele Miller, Head of the Animal TB Research group	Network 24 News article published in Beeld titled "Talle renosters in wildtuin het TB" highlighting a recently published research article by the Animal TB Research Group in PNAS.
<b>15/06/2022</b>	Newspaper Article	Prof Michele Miller, Head of the Animal TB Research group	Network 24 News article published in Daily Dispatch titled "One in seven Kruger rhinos has bovine TB" highlighting a recently published

			research article by the Animal TB Research Group in PNAS.
<b>30/06/2022</b>	Online Article	Dr Elouise Elizabeth Kroon, Researcher within TB Host Genetics Group	Feature article titled "NeutroTB study highlights potential unique phenotypes of neutrophils" published on the EDCTP website underscoring the research endeavours of EDCTP Fellow Dr Kroon <a href="#">[Read]</a>
<b>01/07/2022</b>	Newspaper Article	Ms Malebo Malope, Genetic Counsellor within Medical Genetics	Feature article published in the Mail & Guardian supplement highlighting "200 Young South Africans 2022" featuring MBHG Genetic counsellor Ms Malope for the Health category. <a href="#">[Read]</a>
<b>02/07/2022</b>	Newspaper Article	Prof Michele Miller, Head of the Animal TB Research group	News article published in The Citizen titled "Testing jumbos in KNP" highlighting the research efforts of the Animal TB Research Group towards a One Health approach in TB disease management.
<b>02/07/2022</b>	Online Article	Prof Michele Miller, Head of the Animal TB Research group	News article published on The Citizen website titled "Experts continue blood sample testing amid elephant TB concerns" highlighting the research efforts of the Animal TB Research Group towards a One Health approach in TB disease management. <a href="#">[Read]</a>
<b>04/07/2022</b>	Online Article	Ms Lauren Martin and Natasha Kitchen within the Neuropsychiatric Genetics Research Group	Opinion piece published in Health24 titled "The gut microbiome helps to keep us in tip-top shape" published in commemoration of

			World Microbiome Day on 27 June 2022 <a href="#">[Read]</a>
<b>12/07/2023</b>	Online Article	Prof Michele Miller, Head of the Animal TB Research group	News article published in The Daily Maverick titled "A jumbo operation to test Kruger Park elephant for TB" highlighting the research efforts of the Animal TB Research Group towards a One Health approach in TB disease management. <a href="#">[Read]</a>
<b>15/07/2022</b>	Online Article	Dr Jane Shaw, pulmonologist, and early career researcher within the SU Immunology Research group	Feature article titled "FMHS researchers bolstered by SAMRC awards" highlighting recent award of the prestigious Bongani Mayosi National Health Scholarship by the SAMRC to MBHG clinician scientist Dr Shaw. <a href="#">[Read]</a>
<b>19/07/2022</b>	Online Article	Prof Shahida Moosa, Head of the Rare Disease Genomics in SA (RDGSA) Research group	Feature article titled "Rare disease research group results are 'beyond expectations'" highlighting a recently published research article detailing the Undiagnosed Disease Programme (UDP) led by the Rare Disease Genomics in South Africa (RDGSA) Research Group in the American Journal of Medical Genetics. <a href="#">[Read]</a>
<b>22/07/2022</b>	Newspaper Article	Dr Wynand Goosen, Early career researcher within the Animal TB Research group	News feature published in the Mail & Guardian Supplement titled "NSTF-South32 Awards 2022 -Emerging Researcher Winner" highlighting award of the TW-Kambule-NSTF Award to Dr Goosen for his leadership of research in SA on the surveillance

			of zoonotic TB in domestic cattle and wild animals as potential sources of infections in susceptible people in rural areas.
<b>26/07/2022</b>	Digital and Print Article	Division of Molecular Biology and Human Genetics (MBHG)	Article titled "STUDENTS RISE TO COVID-19 CHALLENGE: Projects at the Division of Molecular Biology and Human Genetics" and "Daily Briefings" subsections highlighting the societal impact efforts of the MBHG division during the Covid-19 pandemic published in the Stellenbosch University <a href="#">Faculty of Medicine and Health Sciences (FMHS) COVID-19 Response</a> publication which aims to provide an overview of the FMHS' Covid-19 activities for 2020 and 2021. <a href="#">[Read]</a>
<b>26/07/2022</b>	Digital and Print Article	Prof Gerhard Walzl, Head of Department: Biomedical Sciences; Head of Division: Molecular Biology and Human Genetics; Head of the SU Immunology Research Group	Article titled "EXPERTS DELIBERATE ADVANTAGES OF VACCINES: Weighing up the risks" subsection promoting vaccination among South Africans against Covid-19 published in the Stellenbosch University <a href="#">Faculty of Medicine and Health Sciences (FMHS) COVID-19 Response</a> publication which aims to provide an overview of the FMHS' Covid-19 activities for 2020 and 2021. <a href="#">[Read]</a>
<b>26/07/2022</b>	Digital and Print Article	Prof Robin Warren, Unit Director of the SAMRC Centre for TB Research and	Article titled "CLASSIFYING YOUR COUGH: IS IT COVID-RELATED OR NOT?"



		Head of TB Genomics Research Group and Dr Marissa Kloppe, Senior Researcher within the TB Genomics Group	highlighting the research efforts of the TB Genomics research group in developing a machine learning tool that can assist with respiratory disease diagnosis by distinguish between Covid-19 positive and Covid-19 negative coughs published in the Stellenbosch University <a href="#">Faculty of Medicine and Health Sciences (FMHS) COVID-19 Response</a> publication which aims to provide an overview of the FMHS' Covid-19 activities for 2020 and 2021. <a href="#">[Read]</a>
<b>26/07/2022</b>	Digital and Print Article	Prof Gerhard Walzl, Head of Department: Biomedical Sciences; Head of Division: Molecular Biology and Human Genetics; Head of the SU Immunology Research Group and Prof André Loxton, Head of the Adaptive Immunity/B-cell Lab within the SU Immunology Research Group	Article titled "TUBERCULOSIS REMAINS AN URGENT PRIORITY" highlighting the impact of the Covid-19 pandemic on TB services and its influence on achieving the United Nation's #EndTB targets published in the Stellenbosch University <a href="#">Faculty of Medicine and Health Sciences (FMHS) COVID-19 Response</a> publication which aims to provide an overview of the FMHS' Covid-19 activities for 2020 and 2021. <a href="#">[Read]</a>
<b>01/08/2022</b>	Online Article	Prof Gerhard Walzl, Head of Department: Biomedical Sciences; Head of Division: Molecular Biology and Human Genetics; Head of	Feature article titled "PredictTB provides a wealth of data enhancing our understanding of TB treatment" outlining research outputs of a large proof-of-concept study consisting of experts from Africa, Asia,

		the SU Immunology Research Group	Europe, and the United States conducted in China and South Africa under the expert leadership of Prof Gerhard Walzl <a href="#">[Read]</a>
<b>01/08/2022</b>	Online Article	Prof Gerhard Walzl, Head of Department: Biomedical Sciences; Head of Division: Molecular Biology and Human Genetics; Head of the SU Immunology Research Group	Feature article titled "Tuberculosis moves out of Covid's shadow as research advances" outlining research outputs of a large proof-of-concept study consisting of experts from Africa, Asia, Europe, and the United States conducted in China and South Africa under the expert leadership of Prof Gerhard Walzl <a href="#">[Read]</a>
<b>05/08/2022</b>	Online Article	Prof Shahida Moosa, Head of the Rare Disease Genomics in SA (RDGSA) Research group	Feature article titled "SAMRC Early Investigators Award benefits patients and genomic research in Africa" highlighting award of the prestigious SAMRC Early Investigators Award to clinician-scientist Prof Moosa for her innovative genomics research interrogating rare diseases within SA. <a href="#">[Read]</a>
<b>23/08/2022</b>	Online article	Prof Novel Chegou, Head of the TB Diagnostics Biomarker Lab within the SU Immunology Research Group	Feature article titled "Stellies Immunology Prof bags prestigious award" published by Popular Mechanics highlighting bestow of the prestigious 'The Royal Society Africa Prize 2022' to Prof Chegou for his pioneering TB diagnostic research. <a href="#">[Read]</a>
<b>24/08/2022</b>	Newspaper article	Prof Novel Chegou, Head of the TB Diagnostics Biomarker Lab within the SU	Feature article titled "Stellenbosch University researcher wins prestigious UK scientific award" published by

		Immunology Research Group	Engineering News highlighting bestow of the prestigious 'The Royal Society Africa Prize 2022' to Prof Chegou for his pioneering TB diagnostic research. <a href="#">[Read]</a>
<b>25/08/2022</b>	Newspaper article	Prof Novel Chegou, Head of the TB Diagnostics Biomarker Lab within the SU Immunology Research Group	Feature article titled "SU professor wins prize" published in the Cape August Early highlighting bestow of the prestigious 'The Royal Society Africa Prize 2022' to Prof Chegou for his pioneering TB diagnostic research. <a href="#">[Read]</a>
<b>26/08/2022</b>	Newspaper article	Prof Novel Chegou, Head of the TB Diagnostics Biomarker Lab within the SU Immunology Research Group	Feature article titled "Britse akademie vir wetenskap vereer US-prof vir TB-werk" published in Die Burger (Oos-Kaap) highlighting bestow of the prestigious 'The Royal Society Africa Prize 2022' to Prof Chegou for his pioneering TB diagnostic research.
<b>26/08/2022</b>	Online article	Prof Novel Chegou, Head of the TB Diagnostics Biomarker Lab within the SU Immunology Research Group	Feature article titled "US-professor deur Britse wetenskapakademie vereer" published by Netwerk24 highlighting bestow of the prestigious 'The Royal Society Africa Prize 2022' to Prof Chegou for his pioneering TB diagnostic research. <a href="#">[Read]</a>
<b>30/08/2022</b>	Online article	Prof Novel Chegou, Head of the TB Diagnostics Biomarker Lab within the SU Immunology Research Group	Feature article titled "Stellenbosch University professor awarded prestigious Royal Society Africa Prize" published on IOL highlighting bestow of the prestigious 'The Royal Society Africa Prize 2022' to Prof Chegou for his pioneering TB

			diagnostic research. <a href="#">[Read]</a>
<b>30/08/2022</b>	Online article	Prof Novel Chegou, Head of the TB Diagnostics Biomarker Lab within the SU Immunology Research Group	Feature article titled "Stellenbosch University professor awarded prestigious Prize" published by Bolander lifestyle highlighting bestow of the prestigious 'The Royal Society Africa Prize 2022' to Prof Chegou for his pioneering TB diagnostic research. <a href="#">[Read]</a>
<b>09/09/2022</b>	Newspaper article	Prof Novel Chegou, Head of the TB Diagnostics Biomarker Lab within the SU Immunology Research Group	News feature published in the Engineering News & Mining Weekly titled "Research Accolade" highlighting bestow of the prestigious 'The Royal Society Africa Prize 2022' to Prof Chegou for his pioneering TB diagnostic research.
<b>15/09/2022</b>	Newspaper article	Neuropsychiatric Genetics Research Group	News feature published in Worcester Standard & Advertiser titled "FASD totally preventable" highlighting the FAS study investigating the effects of alcohol consumption by pregnant woman on the development of their unborn child in commemoration of International Foetal alcohol syndrome disorder (FASD) day on 9 September.
<b>15/09/2022</b>	Newspaper article	Neuropsychiatric Genetics Research Group	News feature published in Weslander titled "Focus on Foetal alcohol syndrome" highlighting the FAS study investigating the effects of alcohol consumption by pregnant woman on the development of their

			unborn child in commemoration of International Foetal alcohol syndrome disorder (FASD) day on 9 September.
<b>20/09/2022</b>	Online article	Prof Novel Chegou, Head of the TB Diagnostics Biomarker Lab within the SU Immunology Research Group	News feature published on Spotlight news website titled "From Cameroonian village to Stellenbosch Professor – top TB researcher reflects on a remarkable journey" highlighting bestow of the prestigious 'The Royal Society Africa Prize 2022' to Prof Chegou for his pioneering TB diagnostic research. <a href="#">[Read]</a>
<b>23/09/2022</b>	Newspaper Article	Prof Michele Miller, Head of the Animal TB Research group	News article published in Farmers Weekly titled "Pioneering study of tuberculosis in rhino" highlighting the research efforts of the Animal TB Research Group in the Kruger National Park towards a One Health approach in TB disease management.
<b>24/09/2022</b>	Newspaper article	Prof Novel Chegou, Head of the TB Diagnostics Biomarker Lab within the SU Immunology Research Group	News feature published in the Daily Maverick titled "TB scientist's remarkable journey from village to lab" highlighting bestow of the prestigious 'The Royal Society Africa Prize 2022' to Prof Chegou for his pioneering TB diagnostic research.
<b>26/09/2022</b>	Online article	Prof Novel Chegou, Head of the TB Diagnostics Biomarker Lab within the SU Immunology Research Group	News feature published in the Daily Maverick titled "A TB scientist's remarkable journey from a Cameroon village to a Stellenbosch University research lab" highlighting bestow of the prestigious

			'The Royal Society Africa Prize 2022' to Prof Chegou for his pioneering TB diagnostic research. <a href="#">[Read]</a>
<b>26/09/2022</b>	Newspaper article	Prof Novel Chegou, Head of the TB Diagnostics Biomarker Lab within the SU Immunology Research Group	Feature article published in the Daily Dispatch titled "From Cameroonian village to Stellenbosch professor" highlighting bestow of the prestigious 'The Royal Society Africa Prize 2022' to Prof Chegou for his pioneering TB diagnostic research.
<b>04/12/2022</b>	News Article	BMRI	Feature article titled "German vice chancellor 'very impressed' with SU's research, facilities" published in the Faculty of Medicine and Health Sciences Vivus Newsletter <a href="#">[Read]</a>
<b>04/12/2022</b>	News Article	Dr Yolandi Swart, PhD graduate within the TB Host Genetics Research Group	Feature article titled "PhD graduate doesn't let diabetes get the better of her" published in the Faculty of Medicine and Health Sciences Vivus Newsletter <a href="#">[Read]</a>
<b>04/12/2022</b>	News Article	Dr Elouise Kroon, Clinician Scientist within the TB Host Genetics Research Group	Feature article titled "FMHS research physician handpicked for select global leadership programme" published in the Faculty of Medicine and Health Sciences Vivus Newsletter <a href="#">[Read]</a>

## Educational Presentation

Date	Delivery Mode	MBHG Member/Group	Description
<b>23/02/2022</b>	Online Lecture	The Research Strategy Task Team (ReSTT) at the Division of Molecular Biology and	ReSTT hosted the first Junior Investigator's Funding Forum (JIFF), focused on "L'Oréal fellowships "For Women in Science" fellowships." featuring guest speakers Dr

		Human Genetics (MBHG)	Rouxjeane Venter, postdoctoral researcher within the MBHG Division and 2020 awardee of the L'Oreal-UNESCO South African National Programme, and Dr Hannah Simba, FMHS awardee of the L'Oreal-UNESCO sub-Saharan Africa Programme.
<b>24/03/2022</b>	Online lecture (pre-recorded)	Prof Rob Warren, Unit Director of the SAMRC Centre for TB Research and Head of TB Genomics Research Group	On-demand webinar titled "Use of Next Generation Sequencing in the diagnostics and surveillance of drug resistant tuberculosis (DR-TB)" presented by CTR Director in honour of World TB Day 2022 <a href="#">[View]</a>
<b>31/03/2022</b>	Online lecture (via Zoom)	Prof Rob Warren, Unit Director of the SAMRC Centre for TB Research and Head of TB Genomics Research Group	CTR Unit Director presented a talk titled "Revising our understanding of the epidemiology of TB through Next Generation Sequencing." at the ID Grand Rounds 2022.
<b>11/05/2022</b>	Hybrid lecture format: limited in-person capacity as well as online attendance	Prof Rob Warren, Unit Director of the SAMRC Centre for TB Research and Head of TB Genomics Research Group	CTR Unit Director presented a talk titled "Using next generation sequencing methods to enhance understanding of the epidemiology and treatment of drug resistant TB." As part of the Stellenbosch University Faculty of Medicine and Health Sciences scientific seminar series hosted in collaboration with CERI at University of Kwazulu-Natal.
<b>11/05/2022</b>	Medicinal properties of Helichrysum species plants and their fungal endophytes	Vuyo Lab within the Division of Molecular Biology and Human Genetics (MBHG)	Members of the Vuyo Lab presented their research investigating plants of the Helichrysum species collected from Grootbos Private Nature Reserve in 2019. The engagement aimed to provide feedback on scientific discoveries for anticancer and anti-TB

			<p>experiments using plant extracts and fungal endophyte extracts. The desired outcome was to inform the audience, which included Grootbos nature reserve staff, hotel guests, invited guests from Gaansbai community, of the possible applications of these plants in drug research and disease treatment, the need for conservation, and innovative ways that can be used to save the endangered plant species.</p>
<b>13/10/2022</b>	FameLab Competition	<p>Mr Shamsuddeen Ma'aruf, MSc candidate within the Host Pathogen Mycobactomics research group</p>	<p>MBHG student competed in the Stellenbosch University FameLab institutional heat hosted annually at the University by the Postgraduate Office. This opportunity gives selected Master's and doctoral candidates the opportunity to participate in multidisciplinary scientific conversations and to develop their communication and presentation skills to be able to share their research with non-expert audiences with impact. FameLab speaks to key strategic aims in developing science communication and promoting and popularising science for public audiences, whereby contestants are required to give a 3-minute talk, with the aid of props, which is engaging and entertaining for a public audience.</p>



## PART B: Community Engagement Initiatives

**Promotes and facilitates the establishment of community partnerships and regular engagement with key stakeholders to build relationships, creating a network of supporters to help promote engagement efforts of the CTR.**

Activities within this category include projects/initiatives at a grassroots level that facilitate active engagement between researchers and the community through open dialogue and hands-on activities. These activities aim to advance knowledge and/or change behaviour by employing an evidence-based methodology that has been shown to promote meaningful engagement that results in a measurable impact on health-promoting practices. In addition, they aim to build rapport with targeted population groups and increase trust and support in research.

An outline of our Centre's community engagement efforts, together with a brief description and a link to accompanying resources and media, for the reporting period is listed below.

## Community Engagement Projects

Date	Delivery Mode	Target Audience	Description
<b>23/02/2022</b>	Awareness event	20+ Individuals affected by Rare Diseases and their families who form part of the "Undiagnosed Disease Programme" of the Rare Disease Genomics Research Group	The Rare Disease Genomics Research Group within the Division of Molecular Biology and Human Genetics, in partnership with Tygerberg Hospital, hosted a Rare Disease Day event on 23 February. This event served to bring together families affected by Rare Diseases and create a safe space for them to share their stories, offer support and advice on common challenges faced and empower a community who for so long have gone unheard. The event also facilitated engagement between researchers, students and Rare Disease patients to promote patient-focused research for impact and build trust and support in science.
<b>25/03/2022 to 14/04/2022</b>	Series of Community days hosted at 5 local clinics: - Adriaanse Clinic (25 March) - Elsies River Clinic (7 April) - Wallacedene Clinic (8 April) - Kraaifontein Community Clinic (12 April) - Scottsdene Clinic (14 April)	TB researchers, TB patients, health care workers and the community within high TB-burden areas within the Western Cape	"TB: the heart of the matter" community engagement project, hosted in honour of World TB Day, aimed to create an understanding of social- and technical aspects of TB and to activate global learning, which is socially and culturally aware and which expresses genuine human experience. The projects used art as a means of communication for important health messages and words of encouragement in the form of curated painting on pot plants and large murals. To achieve this, TB researchers at the Division of Molecular Biology and Human Genetics engaged with artists and TB survivors to create a series of artworks that portrayal of perceptions surrounding TB to address common misperceptions and communicate the social and political issues of the disease. In addition to portraying important

			and complex messages, the artworks created for the project served to liven up spaces at the 5 participating local TB-clinics and symbolise the acknowledgement of the surrounding community in facilitating our research endeavours.
<b>27/06/2022 to 01/07/2022</b>	Generation Science (GenS) Job Shadow Programme	High School Pupils (Grade 9 to 11) who are in the process of making decisions regarding their careers by means of subject choice or university applications.	The SAMRC Centre for Tuberculosis Research in collaboration with Stellenbosch University's Department of Biomedical Sciences hosted 15 high school learners for the GenS job shadow programme, supported by the SAMRC. This programme provided high school learners an opportunity to gain unique insight into what a career in research entails. During the 5-day initiative, learners spent 4 days at the Biomedical Research Institute (BMRI), Faculty of Medicine and Health Sciences where they were given a brief introduction to clinical research. During this time learners observed the inner working of a research laboratory, were exposed to a variety of molecular techniques and performed hands-on practical work. The final day served as a feedback session wherein learners completed an evaluation form to discern programme impact and reflect on the success to inform future initiatives.
<b>10/08/2022</b>	Eskom Expo for Young Scientists Cape Town Regional Fair 2022	Science enthused School learners (Grade 4 to 12)	Eskom Expo for Young Scientists is an exposition, or science fair which brings together learners, teachers, professional organisations and educational bodies and government institutions to develop young scientists who are able to identify a problem, analyse information, find solutions and communicate findings effectively. This is done

			<p>via showcase of projects designed and conducted by learners about their own scientific topic of interest to field experts for critique. As academic professional within the clinical research field, the role of MBHG staff and student volunteers as a judge at the Eskom Expo includes applying specialist knowledge and skills within the biomedical and medical sciences field to support aspiring young scientists by assessing learners' projects and providing them with provide feedback and mentorship to help improve these skills.</p>
<p><b>04/10/2022</b> <b>to</b> <b>07/10/2022</b></p>	<p>Department of Biomedical Sciences Job Shadow Programme</p>	<p>High School Pupils (Grade 9 to 11) who are in the process of making decisions regarding their careers by means of subject choice or university applications.</p>	<p>Stellenbosch University's Department of Biomedical Sciences hosted 15 high school learners for our annual job shadow programme. This programme provided high school learners an opportunity to gain unique insight into what a career in research entails. The 4-day initiative was hosted at the Biomedical Research Institute (BMRI), Faculty of Medicine and Health Sciences. During this time learners were given to brief introduction to clinical research and observed the inner working of a research laboratory, were exposure to a variety of molecular techniques and perform hands-on practical work. The final session served as a feedback session wherein learners completed an evaluation form to discern programme impact and reflect of the success to inform future initiatives.</p>

## PART C: Public Awareness Events

**Events aimed at raising disease awareness linked to research efforts within the CTR, as well as study opportunities and engagement activities available within our institute to generate public recognition of a particular issue/topic and achieve specific outcomes or pre-determined goals.**

Activities within this category include information stalls, distribution of pamphlets, open days, job shadow initiatives and science cafés to empower the public with knowledge through community-targeted programmes. In addition, these events provide an opportunity to create a public “face” for the CTR and learn more about the role of science in society to build trust in science and inspire the youth to pursue a career in STEM.

A comprehensive list of the CTR's public awareness activities together with a brief description and in-text links to the various online resources for the reporting period are listed below.

## Public Awareness Initiatives

Date	Delivery Mode	MBHG Member/Group	Description
28/02/2022	Information stall	Rare Disease Genomics in SA (RDGSA) Research Group	#Jeans4Genes campaign aimed to raise awareness about the work behind done by the RDGSA group amongst fellow staff and students at the Faculty of Medicine and Health Sciences, as well as create additional awareness about Rare Diseases through a series of social media posts. <a href="#">[View]</a>
22/02/2022	Philippi Village Science and Robotics Expo	Societal Impact Task Team (SITT) at the Division of Molecular Biology and Human Genetics (MBHG)	Participation as exhibitors in the Science and Robotics Expo at Philippi Village wherein we engaged 100 primary school learners (grade 5-7) from 10 different schools within the Philippi Village surrounding areas. Community outreach aimed at engaging South African youth around the career opportunities in STEM. We had 2 stalls at the exhibition: <ol style="list-style-type: none"> <li>1) The first stall focused on general TB awareness, including transmission and signs and symptoms of TB, the role of research in management and eradication of TB, as well as the importance of early diagnosis and treatment adherence. To compliment this, learners were given the opportunity to play a game where they had to throw giant foam pills into the mouths of cardboard cut outs stressing the importance of 'taking your medication to get cured' and win some</li> </ol>

			<p>prizes. We also did a mock ELISA demonstration to explain TB screening, while simultaneously address disease stigma by emphasising that anyone can get TB regardless of their socioeconomic status.</p> <p>We distributed copies of the Science Spaza "TB: cracking the code" comic to learners which focused on whole genome sequencing and its use in TB diagnosis, drug resistance detection and subsequent patient care. This was complimented with a DNA extraction demonstration at the second stall to give learners insight into routine laboratory work.</p>
<b>08/03/2022</b>	Short film	Societal Impact Task Team (SITT) at the Division of Molecular Biology and Human Genetics (MBHG)	<p>In honour of World TB Day 2022, a series of TB awareness videos were published across all official divisional social media platforms. This video titled "What is TB" was created to underscore the impact of tuberculosis on global health. <a href="#">[View]</a></p>
<b>16/03/2022</b>	Short film	Division of Molecular Biology and Human Genetics (MBHG)	<p>In honour of World TB Day 2022, a series of TB awareness videos were published across all official divisional social media platforms. This video titled "How prevalent is TB today" was created to highlight the global and national stats of the TB epidemic. <a href="#">[View]</a></p>
<b>24/03/2022</b>	TB awareness and Testing Drive and	Community members within a high TB incident urban settlement	<p>In honour of World TB Day 2022, the Biomedical Research Institute Clinical Unit hosted a free TB testing drive at the Phola Park clinic to raise awareness about the TB epidemic within South Africa.</p>

			The key message of this event was to get tested and know your status, as well as address the stigma associated with disease status.
<b>31/03/2022</b>	Short film	SU Immunology Research group	In honour of World TB Day 2022, a series of TB awareness videos were published across all official divisional social media platforms. This video titled "SU Immunology Research Group" emphasises the importance and contribution of research to eliminating TB through the development of innovative and cost-effective solutions. <a href="#">[View]</a>
<b>11/05/2022</b>	Career Day Talk	Societal Impact Task Team (SITT) at the Division of Molecular Biology and Human Genetics (MBHG)	SITT members visited Groote Schuur High School to give a guest talk on "Careers in Clinical Research" to learners from grade 9-11 for their Annual Career Fair. The set-up was not your traditional career expo with stalls in a hall, rather each invited professional has been designated a classroom for the engagement. The school divided the 1-hour time slot dedicated to the career fair into 2x 30min slots and the learners had to choose which 2 talks they wanted to attend. Our presentation was well attended with over 60 learners across the two sessions.
<b>22/07/2022</b>	B&M Scientific Medicine and Science Expo	Societal Impact Task Team (SITT) at the Division of Molecular Biology and Human Genetics (MBHG)	MBHG staff and student volunteers took part in a Science Expo at Khayelitsha Community Resource Centre. This event aimed to showcase the importance of clinical research in health care and the exciting career opportunities with STEM, and more specifically for us



			<p>medical sciences. 200 Learners from 10 different schools within the area (5x primary grade 7 and 5x high school grade 9) attended this event. The idea was to target learners entering high school and at the point in their academic career where they need to decide on subject choices that will ultimately influence their future career path. The learners were split into groups of 20 and visited each Expo stall for 15-20 minutes.</p>
<p><b>03, 05 and 07/09/2022</b></p>	<p>ArcelorMittal Foundation Saldanha Science Centre Careers Expo</p>	<p>Societal Impact Task Team (SITT) at the Division of Molecular Biology and Human Genetics (MBHG)</p>	<p>MBHG staff and student volunteers took part in a Careers Expo at the IDZ Innovation Campus Access Complex in the West Coast region. This initiative aims to expose local scholars to the various careers, study and funding opportunities available to them. MBHG was invited as one of four exhibitors in the educational institutions theme. Our Exhibition showcased clinical research as a career with reference to its relevance in health and wellness, the advantages of said career path and study opportunities available within our institute. 240 Learners, from seven participating schools within the area, attended this event.</p> <p>Breakdown of attendance per day:</p> <p><b>Monday, 3<sup>rd</sup> October</b>  Exhibitors: 41  Exhibition stands: 35  Learners: 71</p> <p><b>Wednesday, 5<sup>th</sup> October</b>  Exhibitors: 45  Exhibition stands: 43</p>

			<p>Learners: 74  <b>Friday, 7<sup>th</sup> October</b>  Exhibitors: 77  Exhibition stands: 43  Learners: 95</p> <p>The idea was to target learners' grades 9 to 11 at the point in their academic career where they need to decide on subject choices and tertiary education application that will ultimately influence their future career path. The learners were split into groups of 30 and visited each theme for 1 hour. Knowledge transfer was assessed by questionnaire and possible prizes which aimed to incentivise engagement by learners with exhibitions.</p>
<b>05/09/2022</b>	Virtual Annual Open Day for prospective postgraduate students	Division of Molecular Biology and Human Genetics (MBHG)	<p>A virtual Open Day was hosted on MS Teams at 18h00 to accommodate student's study/exam timetables. The aim of this event included highlighting the different research focus areas within our institute, postgraduate study options available and funding opportunities. The event includes a brief overview of MBHG and a short presentation by a representative from each of the research groups. This is followed by a summary of the BSc honours course and funding guidelines, ending off with an interactive Q&amp;A session. This event was recorded and made available online for those who were unable to attend in-person or online.</p>
<b>07/09/2022 to 13/09/2022</b>	Scifest Africa 2022	Science enthused School learners	<p>SciFest Africa, a project of the Grahamstown Foundation, is South Africa's national science</p>

		(Grade 4 to 12) in the Makhanda and surrounding areas of the Eastern Cape	<p>Festival held annually in Makhanda (formerly Grahamstown) featuring over 600 events including lectures, interactive exhibitions, workshops, educational theatre, field trips, a soap box derby, laser shows, quizzes, science olympics, a film fest, science shows and tours. The theme for 2022 was "Back to Basics", inspired by UNESCO's "International Year of Basic Sciences for Sustainable Development 2022". Our division hosted an exhibition titled "The wonders of clinical research" which aimed to showcase the vital role clinical research plays towards improving healthcare systems across the globe and highlight the exciting career opportunities within STEM, more specifically biomedical sciences. Our exhibition won first place for "Best Exhibition" at Scifest Africa 2022 at the awards ceremony. Exhibits were judged by a panel consisting of visitors, educators, other contributors, and members of the Scifest Africa Advisory Committee. The judging criteria focused on team engagement, information, and appeal.</p>
<b>26/11/2022</b>	In-person Divisional Open Day for prospective postgraduate students, high school learners and the general public	Division of Molecular Biology and Human Genetics (MBHG)	<p>The Division of Molecular Biology and Human genetics launched its annual in-person Open Day which aimed to highlighting the different research focus areas within our institute, postgraduate study options and funding opportunities available, as well as career opportunities within clinical research. The set up was similar to that of a</p>

			career fair in which each research group had a stall in the foyer of the Biomedical Research Institute (BMRI) where visitors come and talk to them about their research, student project availability and funding opportunities. Scheduled facilities tours were hosted every 30 minutes allowing visitors to view the various office and lab spaces within our division.
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## Social Media Movements

Date	Delivery Mode	MBHG Member/Group	Description
<b>2022</b>	TB Genomics Research Group Facebook Page and all official MBHG Social Media Platforms	TB Genomics Research Group	#Friday5 social media campaign run by the TB genomics group within MBHG consisting of weekly posts with 5 bite-sized facts on a topic related to tuberculosis. These facts have been curated, and written in a popular, easy to understand manner. The intention is to support EVERYONE who has an interest in science or medical research in joining the conversation, to encourage equal and full participation in science, and to get the general public excited about science. <a href="#">[View]</a>
<b>02/2022</b>	Official MBHG Social Media Platforms	Rare Disease Genomics in SA (RDGSA) Research Group	#28DaysOfRare Social Media campaign hosted honour of Rare Disease Day aimed to create awareness of the impact of Rare Diseases within South Africa through feature of personal testimonies from families living with Rare Diseases. In these videos parents of children with a Rare Disease shared the challenges, triumphs, advice, and support needed to improve their lives in terms of healthcare and service delivery. In addition, this campaign aimed to empower families of Rare Diseases by providing a platform for their voices to be heard. <a href="#">[View]</a>
<b>03/2022</b>	Official MBHG Social Media Platforms	Division of Molecular Biology and Human Genetics (MBHG)	Staff and students within the MBHG Division participated in the Stop TB partnership #InvestToEndTB social media campaign, calling world leaders to invest in TB and save lives, in honour of World

			TB Day. For this initiative, posts featuring each of the research groups within the MBHG division who conduct research related to TB disease were shared daily across all official MBHG social media platforms in line with this year's theme to help raise TB awareness. <a href="#">[View]</a>
<b>31/03/2022</b>	Official MBHG Social Media Platforms	Division of Molecular Biology and Human Genetics (MBHG) in collaborations with Science Spaza	Social media post by Science Spaza highlighting the "Fighting TB: cracking the code" educational worksheet which aimed to raise awareness about the disease and the role of research in combating TB in commemoration of World TB Day 2022. <a href="#">[View]</a>
<b>25/04/2022</b>	Official MBHG Social Media Platforms	Ms Mbali Mkhonza, PhD candidate within the SU Immunology Research group	Pro-vaccination social media campaign hosted in commemoration of World Immunization Week and International day on Immunology featuring SU Immunology research group student Mbali Mkhonza stating her reasons for getting vaccinated to encourage South African citizens to get vaccinated against Covid-19. <a href="#">[View]</a>
<b>26/04/2022</b>	Official MBHG Social Media Platforms	Prof Gerhard Walzl, Head of Department: Biomedical Sciences; Head of Division: Molecular Biology and Human Genetics; Head of the SU Immunology Research Group	Pro-vaccination social media campaign hosted in commemoration of World Immunization Week and International day on Immunology featuring SU Immunology research group head Prof Gerhard Walzl underscoring the importance of getting vaccinated to encourage South African citizens to get vaccinated against Covid-19. <a href="#">[View]</a>
<b>27/04/2022</b>	Official MBHG Social	Mrs Dannielle Kenny, Communications	Pro-vaccination social media campaign hosted in commemoration of World

	Media Platforms	and Marketing Officer at the Division of Molecular Biology and Human Genetics (MBHG) and PhD candidate within the SU Immunology Research group	Immunization Week and International day on Immunology featuring SU Immunology research group student Dannielle Kenny shared on Freedom Day with motivations for why SA citizens should choose to get vaccinated[ <a href="#">View</a> ]
<b>28/04/2022</b>	Official MBHG Social Media Platforms	SU Immunology Research group	Pro-vaccination social media campaign hosted in commemoration of World Immunization Week and International day on Immunology featuring images and short videos by staff and students of the SU Immunology research group calling all South African citizens to get vaccinated against Covid-19. [ <a href="#">View</a> ]
<b>29/04/2022</b>	Official MBHG Social Media Platforms	Dr Margaret Nolan, Postdoctoral Researcher within the SU Immunology Research Group	Pro-vaccination social media campaign hosted in commemoration of World Immunization Week and International day on Immunology featuring SU Immunology research group researcher Dr Margaret Nolan highlighting the efficacy of vaccination in preventing health and disease to encourage South African citizens to get vaccinated against Covid-19. [ <a href="#">View</a> ]
<b>03/06/2022</b>	Social Media Campaign	Division of Molecular Biology and Human Genetics (MBHG)	#CrazySocks4Docs campaign aimed to raise awareness of the mental health and well-being of healthcare workers and medical and health sciences students. MBHG Staff and students supported the campaign by posting a picture wearing their colourful/mismatched socks online with a series of hashtags.

<b>17/06/2022</b>	Social Media Campaign	Ms Yastika Mahabeer, MSc candidate within the SU Immunology Research Group in collaboration with the Social Media Working Group (SciComm) at the Division of Molecular Biology and Human Genetics (MBHG)	In celebration of Youth Day, the SciComm team hosted the "Celebrating our future: the other 'slide' of our young scientists" campaign featuring MBHG student Yastika Mahabeer for the first interview. This initiative aimed to highlight young researchers within our division and how the thriving learning environment we strive to provide was contributing towards the professional development of the next generations of scientific leaders and innovators. <a href="#">[View]</a>
<b>20/06/2022</b>		Ms Jessica Cormick, BSc Honours candidate within the Rare Disease Genomics Research Group in collaboration with the Social Media Working Group (SciComm) at the Division of Molecular Biology and Human Genetics (MBHG)	In celebration of Youth Day, the SciComm team hosted the "Celebrating our future: the other 'slide' of our young scientists" campaign featuring MBHG student Jessica Cormick for the second interview. This initiative aimed to highlight young researchers within our division and how the thriving learning environment we strive to provide was contributing towards the professional development of the next generations of scientific leaders and innovators. <a href="#">[View]</a>
<b>21/06/2022</b>		Ms Nicole Botha, MSc candidate within the Metabolomics Lab in collaboration with the Social Media Working Group (SciComm) at the Division of Molecular Biology and Human Genetics (MBHG)	In celebration of Youth Day, the SciComm team hosted the "Celebrating our future: the other 'slide' of our young scientists" campaign featuring MBHG student Nicole Botha for the third interview. This initiative aimed to highlight young researchers within our division and how the thriving learning environment we strive to provide was



			contributing towards the professional development of the next generations of scientific leaders and innovators. <a href="#">[View]</a>
<b>22/06/2022</b>		Mr Julian Coetzee, PhD candidate within the Host Mycobactomics Research Group in collaboration with the Social Media Working Group (SciComm) at the Division of Molecular Biology and Human Genetics (MBHG)	In celebration of Youth Day, the SciComm team hosted the "Celebrating our future: the other 'slide' of our young scientists" campaign featuring MBHG student Julian Coetzee for the forth interview. This initiative aimed to highlight young researchers within our division and how the thriving learning environment we strive to provide was contributing towards the professional development of the next generations of scientific leaders and innovators. <a href="#">[View]</a>
<b>23/06/2022</b>		Ms Nenekazi Masikantsi, MSc candidate within the Metabolomics Lab in collaboration with the Social Media Working Group (SciComm) at the Division of Molecular Biology and Human Genetics (MBHG)	In celebration of Youth Day, the SciComm team hosted the "Celebrating our future: the other 'slide' of our young scientists" campaign featuring MBHG student Nenekazi Masikantsi for the second last interview. This initiative aimed to highlight young researchers within our division and how the thriving learning environment we strive to provide was contributing towards the professional development of the next generations of scientific leaders and innovators. <a href="#">[View]</a>
<b>24/06/2022</b>		Ms Raadhiyah Mathee, MSc candidate within the Host Mycobactomics Research Group in collaboration with the Social Media	In celebration of Youth Day, the SciComm team hosted the "Celebrating our future: the other 'slide' of our young scientists" campaign featuring MBHG student Raadhiyah Mathee for the final interview. This initiative

		Working Group (SciComm) at the Division of Molecular Biology and Human Genetics (MBHG)	aimed to highlight young researchers within our division and how the thriving learning environment we strive to provide was contributing towards the professional development of the next generations of scientific leaders and innovators. <a href="#">[View]</a>
<b>18/09 to 10/10/2022</b>	Social Media Campaign	Social Media Working Group (SciComm) at the Division of Molecular Biology and Human Genetics (MBHG)	#MBHGMythbustingMondays is a video campaign series run by the Social Media Working Group (SciComm) consisting of weekly posts which aim to highlight preconceived ideas and stereotypes about the science world and "myth bust" them through creative and relatable content. The intention is to showcase the diverse, creative, transformative, supportive and encouraging environment within our division to break down social barrier towards science. <a href="#">[View]</a>

## PART D: Social Outreach Activities

**Aimed at addressing social issues within local communities through participation in community-based events and engaging local communities to understand the key issues that affect them to build strong partnerships.**

Examples of such activities include volunteering at local schools, food kitchens, donation drives and local charity events. Notably, these activities may have no direct link to the research activities of the CTR and serve as a testament that the CTR is not solely focused on issues that benefit our institute but rather prioritizing the needs/interests of the community at large, positioning the CTR in good standing with the public.

By doing so, communities begin to view the CTR as a partner that will be there for the long term with their concerns in mind and will result in support of the CTRs efforts by the same community in the future.

## Social Outreach Activities

Date	Initiative Name	MBHG Member/Group	Description
<b>11/05/2022</b>	International Nurses Day: A gesture of thanks	Division of Molecular Biology and Human Genetics (MBHG)	Token of appreciation, a lunch bag with a kit-kat and small note was gifted to healthcare workers and support staff at 5 local clinics <ol style="list-style-type: none"> <li>1. Adriaanse Clinic,</li> <li>2. Kraaifontein Community Health Centre</li> <li>3. Elsie's River Clinic,</li> <li>4. Wallacedene Clinic</li> <li>5. Scottsdene Community Health Centre</li> </ol> in honour of International Nurses Day (12 May).
<b>28/05/2022</b>	Food Lover's Market Holdings H.E.Y (Hunger Ends with You) campaign	Societal Impact Task Team (SITT) of MBHG division	The association between tuberculosis and malnutrition is two-way. TB leads patients to malnutrition, and malnutrition increases the risk of developing active TB by 6 to 10 times. As such, MBHG is committed to improving nutrition of our nation and reducing the impact of TB through support of sustainable solutions to hunger and poverty. For World Hunger Day 2022 SITT members visited local Food Lover's Market Holdings to support their 6th <a href="#">World Hunger Month campaign "H.E.Y."</a> where members of the public could donate a meal to someone in need for 68c. Food Lovers pledged to match every single meal donated on Saturday, 28 <sup>th</sup> May - heading the call, the SITT sponsored 5000 meals resulting in a total of 10000 meals donated.
<b>05/2022 to 06/2022</b>	Winter Blanket Drive	Societal Impact Task Team (SITT) of MBHG	SITT and Golden Key Stellenbosch Chapter in collaboration with Divisions of

		division in collaboration with Department of Biomedical Sciences and Golden Key International Honours Society Stellenbosch Chapter	Clinical Anatomy and Medical Physiology are hosted a blanket donation drive in support of the Annual Call 2 Care - Ladles of Love Winter warmer project in aid of those most in need. Our goal was to collect 500 blankets (50% of the project target). A total of 300 blankets were collected – of which 33% was sponsored by the event organisers. Staff and students could support the cause through 2 ways 1. Donation of new/used but in good condition blankets 2. Make a monetary contribution towards project via SnapScan
<b>11 to 15/07/2022</b>	Scottsdene Community Clinic PEC Survey Volunteerism	Division of Molecular Biology and Human Genetics (MBHG)	In commemoration OF Mandela Day 2022, MBHG staff and students are volunteered 67-minutes or more in service of others as data collectors the Western Cape Department of Health Annual Patients' experience of care (PEC) survey at Scottsdene Community Health Centre. 255 survey responses were collected by 33 volunteers over the 5 days from 08h00 to 15h00. This tool aims to give communities a voice regarding the quality of healthcare received to help identify gaps between their expectations and experiences. This enables us to action people-centred responsive care to improve quality of healthcare so that South African citizens can live a life of good health and wellness.

# Societal Impact Task Team 2022

## **SITT Executive Committee Members**

Mrs Dannielle Kenny (Chairperson)  
Dr Rouxjeane Venter (Vice-chairperson)  
Prof Robin Warren  
Prof André G Loxton  
Prof Marlo Möller  
Dr Elizma Streicher  
Ms Caitlyne McMurchie

## **SITT Members**

Mr Stefan Botha  
Ms Sinazo Bali  
Ms Catherine Lohrentz  
Ms Labeeqah Harris

## **Social Media Working Group Members**

Ms Stephanie Vickers (Deputy-chairperson)  
Ms Sinegugu Leka Mhlophe  
Ms Erin McMasters