Provisional Conference Programme_8May2024

Sunday 2 June 2024			
14:00 onward	Arrival and Registration at Skukuza Safari Lodge		
17:30	Welcome Function at Selati Kruger Train Station, Skukuza camp		

		Monday 3 June 2024				
08:00	Breakfas	Breakfast				
Keynote Lecture 1						
09:00 - 09:40	09:00 – 09:40 Rolf Daniels, Georg-August University, DE					
	Title to b	e added				
09:40 - 10:00	Oral 1	Ruth Schmitz, Institute for General Microbiology, Kiel, DA				
		Aurelia aurita, a rich source for novel antimicrobial compounds and quorum				
		quenching activities				
10:00 - 10:20	Oral 2	Aurelio Hidalgo, Universidad Autónoma de Madrid, ES				
		Reproducing the central dogma of molecular biology at the single-molecule level to				
		discover greener biocatalysts in the natural microbial diversity				
10:20 - 11:00	Morning Refreshment Break					
Keynote Lectur						
11:00 – 11:40		indade, University of the Western Cape, RSA				
		lead to Rome: Genome-guided discovery to deliver biotechnological solutions.				
11:40 – 12:00	Oral 3	Anna Lewin, SINTEF Industry, NO				
		Functional metagenomics applied for the discovery of xylan debranching enzymes				
12:00 – 12:20	Oral 4	Shaul Pollak, Massachusetts Institute of Technology, USA				
		Beyond functional annotation - understanding microbiomes using uncharacterized				
		genes (possible withdrawal)				
12:20 – 12:40	Oral 5	Gabrielle Potocki-Veronese, Université de Toulouse, FR				
		Functional metagenomics for sweet dreams				
12:40 – 14:00	Posters and Lunch					
Keynote Lecture 3						
14:00 – 14:40		rcia, University of Hamburg, DE				
		Nature's Potential: Innovative Strategies in the Discovery of Plastic-Degrading				
11.10 15.00	Enzymes					
14:40 – 15:00	Oral 6	Eugenia Dadzie, University of Waterloo, CA				
45.00 45.00	0 17	Enzymes and microbes: Sustainable plastic degradation				
15:00 – 15:20	Oral 7	Elliot Mathieu, University of Paris-Saclay, FR				
45.20 45.40	010	A functional metagenomic approach to decipher microbiota-host interactions				
15:20 – 15:40	Oral 8	Alexander Wentzel, SINTEF Industry, NO				
		Bioprospecting of marine microbial resources in mid-Norway – recent				
	_	discoveries and future perspectives				
17:00	Game Drive and Bush Braai					

		Tuesday 4 June 2024					
08:00	Breakfast	Breakfast					
AMI Presentat							
09:00 – 09:20		Lucy Harper, Applied Microbiology International					
Keynote Lecture 4							
		ollfelder, University of Cambridge					
09:20 – 10:00		iscovery by functional metagenomics and directed evolution at ultrahigh					
	throughp						
10.00 10.00	0.10	Delaney Nash, University of Waterloo, CA					
10:00 – 10:20	Oral 9	Utilizing a mosaic ends tagmentation approach to explore antimicrobial resistance					
		gene diversity in municipal wastewater influent					
10.20 10.40	0	Haripriya Rama, Agricultural Research Council, RSA					
10:20 – 10:40	Oral 10	Impact of nano-additives on microbial community functions in semi-continuous					
10.40 11.10	Morning	psychrophilic anaerobic digesters					
10:40 - 11:10		Refreshment Break					
Keynote Lectur		offenship Wing Abdullah Hairansitu of Colones and Tachmalagu. CA					
11:10 – 11:50		affonchio, King Abdullah University of Science and Technology, SA daptation shapes diversity and thermal plasticity of marine microbiomes in time					
11:10 – 11:50	and space						
	and space	Liisa van Vliet, University of Cambridge, UK					
11:50 - 12:10	Oral 11	Functional metagenomics in microfluidic droplets: ultra-high throughput screening					
11.50 – 12.10	Olaili	assays for a green and circular economy					
		Aranksha Thakor, University of Waterloo, CA					
12:10 – 12:30	Oral 12	Optimized construction of metagenomic libraries from wastewater					
12:30 – 12:35		Ernest Mokoena, Ingaba Biotec					
12:35 – 12:40	Sponsors	Chris Hunter, GigaScience Journal, BGI Hong Kong					
12:40 - 13:40	Lunch	Cinis Hunter, digascience Journal, but Hong Rong					
Invited Lecture	-l						
		dorf, Anhalt University of Applied Sciences, DE					
13:40 – 14:10		eomics for functional description of microbial communities					
		Tidimalo Coetzee, University of Pretoria, RSA					
14:10 – 14:30	Oral 13	Functional microbiomics of dryland soils in Botswana					
		José Eduardo González-Pastor, Centro de Astrobiología, ES					
1400 4450	0 144	tRNA queuosine modification, a regulatory mechanism controlling biofilm					
14:30 – 14:50	Oral 14	formation, resistance and virulence in bacteria discovered through functional					
		metagenomics					
		Silindile Maphosa, University of Pretoria, RSA					
14:50 - 15:10	Oral 15	Exploring the functional potential of microbial metagenome-assembled genomes					
		(MAGs) from sub-Antarctic islands.					
15:10 - 15:40	Afternoor	n Refreshment Break					
15:40 – 16:00	Oral 16	Marilize Le Roes-Hill, Cape Peninsula University of Technology, RSA					
13.40 - 10.00	Oral 10	Marine multicopper oxidases and their application in seaweed degradation					
16:00 – 16:20	Oral 17	Pedro H. Lebre, University of Pretoria, RSA					
10.00 - 10.20	Oral 17	Expanding Antarctic biogeography: microbial ecology of Antarctic island soils					
		Memory Tekere, University of South Africa, RSA					
16:20 - 16:40	Oral 18	Shotgun metagenomics of water and sediments from two artificial lakes in the					
		Gauteng Province of South Africa					
16:40 – 17:00	Oral 19	Eran Elhaik, Lund University, Sweden					
10.40 - 17.00	Oral 13	Creating fine-scale Antimicrobial Resistance gene transfer maps					
17:00 - 18:00	Posters						
18:40	Transport	to Conference Banquet @ Skukuza Golf Club					

	Wednesday 5 June 2024						
05:00 - 08:00	Morning game drive						
08:30	Breakfast						
Invited Lecture 2							
	Stephanie Burton, University of Pretoria, RSA						
09:30 – 10:00	Impact of artificial intelligence and digital technologies on the academic research						
	environment.						
Invited Lecture	Invited Lecture 3 (Recorded)						
10:00 - 10:30		Evelien Adriaenssens, Quadram Institute Bioscience, UK					
10.00 – 10.30	What abo	What about the viruses?					
		Lefentse Mashamaite, University of Pretoria, RSA					
10:30 – 10:50	Oral 20	Effects of altitude on soil microbiomes analysed across an altitudinal transect in					
		Antarctic Dry Valleys.					
10:50 – 11:20	Morning Refreshment Break						
11:20 – 11:40	Oral 21	Jacques Fouché, University of Pretoria, RSA					
11:20 11:40	Olulzi	Changes in structure and function of soil microbiomes beneath decaying carcasses					
	Oral 22	Grace Ijoma , University of South Africa, RSA					
11:40 – 12:00		Draft genome of <i>Schizophyllum</i> sp isolate F8_1, a novel white-rot fungi from					
		decaying wood in Gauteng, South Africa					
12:00 – 12:20	Oral 23	Semakaleng Monyai, University of Pretoria, RSA					
12.00 12.20		In silico characterization of novel DNA polymerases					
12:20 – 12:40	Oral 24	Michael Wittenberg, University of Cape Town, RSA					
		Add title					
Invited Lecture	1						
12:40 - 13:10	Don Cowan , University of Pretoria, RSA						
	The changing face of functional metagenomics						
13:10		Conference Close (subject to program extensions)					
13:20 – 14:00	Lunch						
14:00 onward	Free afternoon or departures						
19:00	Dinner for delegates own account						

