

SOCIETY FOR ADVANCED CELL CULTURE MODELLING FOR AFRICA CONFERENCE 2023

9 - 11 October 2023 | Crista Galli Venue | Potchefstroom | South Africa

| Final Program |

Monday 9 October 2023

SACCMA Conference | Day ONE

09:30 – 11:00	Delegate registration and coffee/tea and refreshments
10:00 – 10:40	Organoid Interest Group Meeting
11:00 – 11:15	Official opening and Welcome: Prof Chrisna Gouws SACCMA Executive Committee Chair
SESSION 1 CHAIR: Prof Chrisna Gouws	
11:15 – 12:00	Keynote speaker: Dr Lena Smirnova Johns Hopkins University USA From MPS Research To International Society
12:00 – 12:15	Prof Iman van den Bout Using Breast Cancer Organoids To Assess Drug Responses In An Underserved South African Patient Group
12:15 – 12:30	*Ms Adele Nel A Breast Cancer-Derived Organoid Model Reveals How <i>In Vitro</i> Data Can Inform <i>In Vivo</i> Tumour Behaviour
12:30 – 12:45	Poster Flash Talks <ul style="list-style-type: none"> • *Me Naaziyah Abdullah Establishing And Characterizing Colorectal Organoid Cultures From South African Patients • Dr Lara Contu Development Of An iPSC-Derived Macrophage Model To Study Inflammatory Responses • *Miss Cayleigh de Sousa The Effects Of Chemotherapy on Metastasis In Cervical Cancer Using A Personalized Medicine Approach • *Miss Madré Meyer Investigating the Effects Of Senescence-Induced Treatment Resistance In Cervical Cancer Patients • Dr Brian Flepisi The Effect Of Breast & Lung Cancer Conditioned Media And Co-Culture Model On Brain Endothelial Cells
12:45 – 13:30	Lunch
SESSION 2 CHAIR: Prof Iman van den Bout	
13:30 – 14:15	Keynote speaker: Dr Mubeen Goolam University of Cape Town SA Building The StemBryo: Defining The Biochemical And Physical Cues In Stem Cell Self-Organization



14:15 – 14:30	Dr Tracey Hurrell Altering Cell Fate Transitions of Human iPSCs During Hepatic Lineage Specification
14:30 – 14:45	Dr Shivani Goolab CRISPR-Cas9 Mediated Knockout Of NDUFS4 In iPSCs: A Model For Complex I Deficiency
14:45 – 15:00	Poster Flash Talks <ul style="list-style-type: none"> • *Miss Kara van Zyl Curcumin Green Gold Nanoparticles And Their Antioxidative Effects In Neuroprotection • *Miss Alandi van Niekerk Investigating The Anticancer Potential Of <i>Sutherlandia Frutescens</i> In NCI-H69AR Cancer Mini-Tumours • Dr Khayelihle Makhathini The Effect Of HL2/3 Cell Paracrine Factors On bEnd-5 Cells To Develop A Novel <i>In Vitro</i> HIV-BBB Model • Dr Chontrelle Willemse The Inflammatory Blood Brain Barrier <i>In Vitro</i> Model
15:00 – 15:10	Break
SESSION 3 CHAIR: Dr Tracey Hurrell	
15:10 – 15:55	Keynote speaker: Dr Stefanie Klima University of Pretoria SA Stem Cell-Based Models To Mimic Neurodevelopment And Neuronal Signalling
15:55 – 16:05	Industry talk Merck
16:05 – 16:40	Panel Discussion: Organoid research in Africa Moderator: Prof Iman van den Bout
16:40 – 17:30	Health Biolux Posters and Cocktails Session
17:20 – 17:40	Working Group 1 meeting – ClinoStar Users
18:30 – 22:00	Merck Informal Social Function – Die Local

Tuesday 10 October 2023

SACCMA Conference | Day TWO

08:30 – 09:00	Tea/coffee
SESSION 4 CHAIR: Prof Pradeep Kumar	
09:00 – 09:45	Keynote speaker: Prof Daniel Nieto Maastricht University Netherlands Advanced Light-Based Bioprinting Technologies for Tissue Engineering
09:45 – 10:00	Prof Lissinda Du Plessis Bioprinting In 96-Wells Using An Extrusion-Based Printing Method For Drug Screening Applications
10:00 – 10:15	*Ms Jaime De Carvalho Validation And Characterization Of A Co-Culture Model Of The Blood Brain Barrier
10:15 – 10:30	*Miss Mandy Naude Evaluating GPCR Expression In 2D And 3D Breast Cancer Cell Models



10:30 – 10:45	*Miss Ranae Lindeque A Cellular Model For Studying Metabolic Adaptations Of Metastatic Cancer
10:45 – 11:15	Tea/coffee
SESSION 5 CHAIR: Dr Daniel Nieto	
11:15 – 12:00	Keynote speaker: Prof Pradeep Kumar University of the Witwatersrand SA Biomaterial Prototypes For Effective Neuroregeneration following Traumatic Neural Injuries
12:00 – 12:15	*Miss Alandi van Niekerk <i>Sutherlandia frutescens</i> Treatment Potential In A Resistant Small Cell Lung Cancer Mini-Tumour Model
12:15 – 12:30	*Mr Barend Groenewald Establishment Of A H9c2 Spheroid Model Using Ultra-Low Attachment Plates
12:30 – 13:15	2023 Annual General Meeting of SACCMA
13:15 – 14:00	Lunch
14:00 – 17:00	Workshops Separations
18:30 – 22:00	Conference Gala Dinner – Dampad Dining Hall

Wednesday 11 October 2023

SACCMA Conference | Day THREE

08:30 – 09:00	Tea/coffee
SESSION 6 CHAIR: Dr Lena Smirnova	
09:00 – 09:45	Keynote speaker: Dr Simone Sidoli Albert Einstein College of Medicine USA
09:45 – 10:00	Prof Krzysztof Wrzesinski Clinostar Hypoxia Unit Creates Physiological Levels Of Oxygen For <i>In Vivo</i> Mimetic 3D Constructs
10:00 – 10:15	Dr Marguerite Blignaut Development Of A Novel 3D-Cardiovascular Model To Investigate Mitochondrial Function
10:15 – 10:30	Prof Chrisna Gouws Cytotoxic Activity Of <i>Lessertia frutescens</i> In Chemosensitive Small Cell Lung Cancer Mini-Tumours
10:30 – 11:15	Tea/coffee
SESSION 7 CHAIR: Dr Marguerite Blignaut	
11:15 – 11:30	Prof Anne Mercier Effects Of <i>In Silico</i> -Designed Sulphamoylated Spindle Disruptors On The Haematopoietic System <i>Ex Vivo</i>
11:30 – 11:45	Dr Paul Bartels Convergence Cell-culture Research For Conserving Wildlife And Biodiversity
11:45 – 12:30	Panel Discussion: Planning a 3D model study Moderator: Prof Chrisna Gouws
12:30 – 12:45	Industry talk Separations
12:45 – 14:00	Separations Award Ceremony Lunch and Official Closing

* **Young Scientist**

