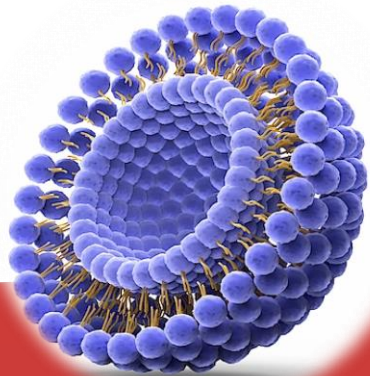


NANOMEDICINE WEBINAR SOUTH AFRICA – ITALY



Prof Lucia Gemma Delogu
University of Padua (Italy)

Two-Dimensional (2D)
Nanomaterials Immune
Applications



Dr Mpho Phehello Ngoepe
University of South Africa (SA)

Nanomedicine in Vaccine,
Immunotherapy and Antiviral
therapy



Mr Sizwe Khoza
South African Agency for
Science and Technology
Advancement (SAASTA)

The role of Science
Communication in Advancing
Public Acceptance of
Nanotechnology Innovations

NANOMEDICINE WEBINAR

Monday
26 April 2021

TIME: 11h00-13h00

PLATFORM: Zoom

RSVP: Dr Steven Mufamadi

Nanomedicinenabio@nabioconsulting.co.za

PROF LUCIA GEMMA DELOGU

Prof Lucia Gemma Delogu, Ph.D is the head of the ImmuneNano-Lab at the Department of Biomedical Sciences of the University of Padua (UNIPD Padua, Italy) www.delogulab.eu. After acquiring her experience in Immunology and Material Science at the University of Southern California (Los Angeles, USA) and at Sanford-Burnham Institute (San Diego, USA), she served as Assistant Professor at the University of Sassari (Italy) and as Visiting Professor at the Technische Universität Dresden (TUD; Dresden, Germany). Dr. Delogu has been the Scientific Coordinator of two interdisciplinary EU projects, under HORIZON2020, including a RISE project on nanomedicine and immune interactions of nanomaterials, involving more than 10 leading Institutions and high-profile international scientists on nanotechnology and nanomedicine. In this field, she has received several awards, including the “Marie S. Curie Individual Fellow” at TUD under HORIZON2020 from the European Commission, the “200 Young Best Talents of Italy 2011” from the Italian Ministry of Youth, and “Bedside to Bench & Back Award” from the National Institutes of Health, USA. Since 2020, Dr. Delogu is in charge of the Italian chapter and a member of the road map working group of the Advanced Material Global Pandemic & Future Preparedness Taskforce (AMPT) www.amptnetwork.com. She introduced the “NanImmunity-by-design” concept, for the design of nanomaterials based not solely on their physicochemical characteristics but also on their immunomodulatory characteristics. She pioneered the use of systems immunology approach by high-dimensional single-cell strategies in the context of nanomaterial applications. Her research focuses on the biological interactions of nanomaterials and nanoparticles, with a particular focus on their immunomodulation properties, biomedical applications and toxicological profile.

DR MPHONGHEHELLO NGOEPE

Dr Mpho Phehello Ngoepe PhD is currently a postdoctoral research fellow at the University of South Africa. Current research project focuses on development of novel nucleoside and nucleotide analogues for fight against cancer and emerging viral threats. He obtained his PhD in Chemistry at Rhodes University focusing on organic chemistry and nanomaterial chemistry. Other educational background includes an MSc (Med) in Pharmaceutics focusing drug delivery systems. Over the years has developed expertise in computational chemistry, nanomaterial chemistry, academic entrepreneurship and bioinformatics.

MR SIZWE KHOZA

Mr Sizwe Khoza is a Project Coordinator within the Science Communication Division at the South African Agency for Science and Technology Advancement (SAASTA), a business unit of the National Research Foundation. He is responsible for the coordination of the Nanotechnology Public Engagement Programme, which is an initiative of the Department of Science and Innovation managed by NRF|SAASTA, which promotes credible, fact based understanding of nanotechnology through awareness, dialogue and education to enable informed decision making on nanotechnology innovations to improve the quality of life for all. In his role, he frequently engages with senior public officials, research community and science engagement practitioners to conceptualise and implement strategies and initiatives that drive the public engagement of nanotechnology. He holds a Bachelor's in Applied Chemistry and a Postgraduate Diploma in Business Management and Administration from the University Stellenbosch, respectively.

PROGRAMME

DATE: 26 APRIL 2021

TIME: 11:00-13:00

MODERATOR: Dr Steven Mufamadi - Nabio Consulting PTY LTD

INTRODUCTION OF SPEAKERS: Dr Ureshnie Govender

MR SIZWE KHOZA: The role of science communication in advancing public acceptance of nanotechnology innovations

KEYNOTE SPEAKER

DR MPHONGOEPE: Nanomedicine in vaccine, immunotherapy and antiviral therapy

KEYNOTE SPEAKER

PROF LUCIA DELOGU: Two-dimensional (2D) nanomaterials immune applications

DISCUSSANT: Prof Lebogang Katata-Seru – North West University

VOTE OF THANKS: Ms Bafedile Phorah – Nabio Consulting PTY LTD