

BIOPHOTONICS IN CANCER: Redefining Trends in Cancer Therapy

5 & 6 September 2019

Venue: School of Tourism and Hospitality,
Auckland Park Bunting Road Campus, University of Johannesburg



PROGRAM

THURSDAY, 05 SEPTEMBER 2019

Registration and Refreshments: 08:00 - 09:00

Welcome and Program Introduction: Prof Heidi Abrahamse, Director LRC 09:00 - 09:10

Felicitation: Prof Shahed Nalla, Vice Dean Research, Faculty of Health Sciences: 09:10 - 09:20

Felicitation: Prof Andre Swart, Chief Operating Officer, 09:20 - 09:30

Theme 1: Recent Advances in Cancer Therapy - Chair: PROF. HEIDI ABRAHAMSE

1	09:30-10:15	PROF. BERNARDO RAPOPORT “Advances in Cancer immunotherapy” Extraordinary Professor, Department of Immunology, Faculty of Health Sciences, University of Pretoria
2	10:15-11:00	PROF. HEIDI ABRAHAMSE “Photodynamic therapy as potential treatment modality for cancer and cancer stem cells” SARChI Chair Laser Applications in Health, Director, Laser Research Centre, University of Johannesburg

Tea: 11:00 to 11:30

Theme 2: Application of Photonics and nanoparticles in Cancer Treatment. Chair: DR. BLASSAN GEORGE

3	11:30-12:00	PROF. SUPRAKASH SINHA RAY “Cancer Nanotechnology” Chief Researcher and Director of the DST/CSIR National Centre for Nano-Structured Materials, Pretoria, South Africa
4	12:00-12:30	PROF. JEFFERSON LUIS FERRARI “Rare Earths doped inorganic materials as an alternative to improve the quality in PDT” Uberlandia Federal University, Chemistry Institute, Brazil
5	12.30-13.00	DR. VALERIA RODRIGUEZ-FAJARDO “Structured light in cancer research: a brief overview” School of Physics, University of the Witwatersrand

Lunch: 13:00 to 14:00

Theme 3: Pathogenesis of Cancer and Targeted Therapies. Chair: PROF. NICOLETTE HOURELD

6	14:00-14:45	PROF. STEFAN BARTH “SNAP tag-based antibody fusion proteins for immunodiagnosis and targeted PDT” SARChI Chair in Cancer Biotechnology, Institute of Infectious Disease and Molecular Medicine, University of Cape Town
7	14:45-15:15	PROF. DEMETRA MAVRI-DAMELIN “Targeting cancer cell metabolism in oesophageal carcinoma: a drug repurposing approach” School of Molecular And Cell Biology, University of the Witwatersrand
8	15.15-15.30	DR. CHERIE KRUGER “Investigation of Nano Immunotherapy Drug Delivery in Lung Cancer Cells” Laser Research Centre, University of Johannesburg

Refreshments and Poster Presentations: 15:30 to 17:00

FRIDAY, 06 SEPTEMBER 2019

Welcome Refreshments: 08:00 to 09:00

Theme 4: Cancer therapy: Anticancer agents and targets. Chair: PROF. HEIDI ABRAHAMSE

9	09:00-09:45	PROF. ADRIENNE LESLEY EDKINS “Molecular chaperone networks in cancer - drivers of cellular processes and drug targets” NRF/DST SARChI Chair in MCB of the Eukaryotic Stress Response Biomedical Biotechnology Research Unit, Department of Biochemistry and Microbiology, Faculty of Science.
10	09:45-10:30	PROF. REINOUT MEIJBOOM “Silver(I) complexes as anticancer agents” Professor and Head, Department of Chemistry University of Johannesburg

Tea: 10:30 to 11:00

Theme 5: Oncological Signalling. Chair: DR. CHERIE KRUGER

11	11:00-11:30	DR. MELVIN AMBELE “The need for molecular data to improve oral cancer diagnosis and management” Senior Research Officer, Department of Oral Pathology and Oral Biology, University of Pretoria
12	11:30-12:00	DR. AHMED EL-HUSSEIN “Phototherapy and In situ autologous cancer vaccine (inCVAX)” The National Institute of Laser Enhanced Science, University of Cairo, Egypt
13	12:00-12:30	PROF. CLEMENT PENNY “Inhibition of the SHH pathway in colon cancer stem cells” Department of Internal Medicine, WITS, School of Molecular and Cell Biology (MCB), University of the Witwatersrand

Lunch: 12:30 to 13:30

Theme 6: Challenges in Cancer Research. Chair: DR. RAHUL CHANDRAN

14	13:30-14:00	PROF. CHRISTOPHER STEIN “Autonomy: ethico-legal considerations in research and clinical cancer care” Department of Emergency Medical Care, University of Johannesburg
15	14:00-14:30	DR. BLASSAN GEORGE “Role of Phytochemicals in Photodynamic Therapy of Cancer” Laser Research Centre, University of Johannesburg

Closing Ceremony, Prize Distribution and Feedback: 14:30 to 15:00