

<b>Sl. No.</b>	<b>Name of the Speaker</b>	<b>Title of the Talk</b>
1.	Prof. Nirmalya Ghosh IISER, Kolkata	Emerging polarized light methods for probing nanostructural anisotropy
2.	Prof. Chandrabhas Narayana JNCASR, Bengaluru	Protein structure-function, drug discovery and diagnostics with Raman spectroscopy
3.	Prof. Samir Kumar Pal SNBNCBS, Kolkata	"Probing" Spectroscopic Probes for Non-invasive Simultaneous Disease Diagnosis
4.	Prof. Ayan Banerjee IISER, Kolkata	Microbubble lithography: using laser manipulated microbubbles towards patterning 'everything' mesoscopic
5.	Prof. Gautham K. Samanta PRL, Ahmedabad	Quantum imaging of biological sample using Hong-Ou-Mandel interferometry
6.	Prof. Sangeeta Kale DIAT, Pune	Manipulations of structure-property relationships of MAXene systems using doping and etching approaches
7.	Prof. Dalip Singh Mehta IIT, Delhi	"Optical Biopsy Assisted with AI/ML: Multimodal and Multispectral Optical Techniques for Real-time Screening and Diagnosis of Common Cancers: A point-of-care approach"
8.	Prof. Pavan Kumar IISER, Pune	Optothermal Tweezers: Dynamic Assembly and Pattern Formation
9.	Prof. Renu John IIT, Hyderabad	Machine Learning Approaches in Quantitative Phase Imaging
10.	Prof. Hari M. Varma IIT, Bombay	A novel approach based on stochastic calculus for laser speckle imaging
11.	Prof. Santhosh Chidangil MAHE, Manipal	Storage Effect of Blood Components Probed by Raman Tweezers Spectroscopy
12.	Prof. Vanderlei S. Bagnato University of São Paulo, Brazil	Photodynamic approach in cancer clinical and microbiological control
13.	Prof. Heidi Abrahamse University of Johannesburg, South Africa	Phthalocyanine-Based Probes for Alleviating or Evading Tumour-Hypoxia for Enhanced Photo- and Sono-Mediated Therapy
14.	Prof. Blassan George University of Johannesburg, South Africa	Pheophorbide-a Mediated Photodynamic Therapy in breast and lung cancer cells in vitro
15.	Dr. Anine Crous University of Johannesburg, South Africa	Photobiomodulation for Enhanced Differentiation of Adipose-Derived Stem Cells into Brain Organoids and Osseous Tissue
16.	Dr. Sathish Sundar Dhilip Kumar University of Johannesburg, South Africa	The Synergistic Impact of Aloin-Infused Biologically Active Film and Photobiomodulation for Wound Healing
17.	Dr. Rahul Chandran University of Johannesburg, South Africa	Hypocrellin: A natural photosensitizer in the Photodynamic therapy of Breast and Skin cancer'
18.	Dr. Lelo Simelane University of Johannesburg, South Africa	Targeted photodynamic therapy treatment on colorectal tumour spheroids
19.	Dr. Nkune Nkune University of Johannesburg, South Africa	Evaluation of Photodiagnosis And Targeted Photodynamic Therapy on Metastatic Melanoma Tumour Spheroids

20.	Mr. Brendon Roets University of Johannesburg, South Africa	Progressing Stem Cell Regenerative Therapy via Photobiomodulation to Facilitate Tenocyte Differentiation.
21.	Mr. Alex Chota University of Johannesburg, South Africa	Nanoparticles Loaded with Photosensitiser for Enhanced PDT Effects In Breast Cancer Cells
22.	Prof. Mike Hamblin (Plenary) University of Johannesburg, South Africa	New Applications of Transcranial Photobiomodulation
23.	Prof. Valery V. Tuchin (Keynote) Saratov State University, Russia	Biophotonics has acquired windows of transparency of biological tissues from UV to THz waves
24.	Prof. Victoria V. Zherdeva Russian Academy of Sciences, Russia	Combining MRI and fluorescence imaging for monitoring polyester copolymers' degradation in vivo
25.	Prof. Andrei E. Lugovtsov Lomonosov Moscow State University, Russia	Interaction of erythrocytes with endothelium in microfluidic channels studied by optical techniques
26.	Prof. Alexander V. Priezzhev Lomonosov Moscow State University, Russia	Application of laser-optical methods for studying microcirculation and microrheology of blood in vivo and in vitro
27.	Mr. Victor Chuchin ITMO University, Russia	Investigation of the dynamics of the skin reflection spectrum as a result of its heating by visible or infrared laser radiation
28.	Mr. Vladislav Ermolaev ITMO University, Russia	Investigation of laser hair coloring
29.	Ms. Yuzhakova V. Diana Privolzhsky Research medical University, Russia	Optical bioimaging in personalization of cancer treatment
30.	Dr. Yulia Svenskaya Saratov State University, Russia	Biodegradable vaterite carriers for the delivery of glucocorticoids into hair follicles
31.	Prof. Alexander P. Savitsky Russian Academy of Sciences, Russia	The role of the trehalose transporter in the photoinactivation of Mycobacterium tuberculosis by near-infrared dye conjugated with trehalose
32.	Dr. Evgeny Shirshin Lomonosov Moscow State University, Russia	Optical spectroscopy in surgery guidance from laboratory to the clinics
33.	Dr. Boris Yakimov Sechenov University, Russia	Blood plasma spectroscopy for biomedical diagnostics: recent advances
34.	Dr. Denis Davydov Lomonosov Moscow State University, Russia	Body composition analysis with a portable NIR device: hydration, fat and muscles
35.	Dr. Junle Qu Shenzhen University, China	Super-Resolution Optical Imaging: In Vivo, In Situ, and Multicolor
36.	Dr. Dan Zhu Huazhong University of Science, China	Tissue optical clearing imaging: from in vitro to in vivo
37.	Dr. Hui Ma Tsinghua University, China	Mueller matrix microscopy for digital pathology
38.	Dr. Ping Xue Tsinghua University, China	Multifunctional OCT for intraoperative tumor diagnosis and rapid pathology
39.	Dr. Xuanta Su Shandong University, China	Intelligent imaging flow cytometry for label-free analysis of single cells and exosomes

40.	Dr. Haixia Qiu Chinese PLA General Hospital, China	Progress of optical coherence tomography in port wine stains
41.	Dr. Hao Lei Innovation Academy for Precision Measurement Science and Technology, China	Phase-dependent prefrontal activations during online video game playing: An fNIRS study in habitual League of Legends players
42.	Dr. Yao He Soochow University, China	Fluorescence imaging for precision diagnosis and treatment of diseases
43.	Dr. Zhiyu Qian University of Aeronautics and Astronautics, China	Research on neural regulatory mechanisms based on neural nucleus resonance
44.	Dr. Xiangwei Zhao Southeast University, China	Plasmonic materials based biomedical applications
45.	Dr. Chunxiang Xu Southeast University, China	Microcavity enhanced SERS Biosensing
46.	Dr. Xiaoyu Weng Shenzhen University, China	Research on some fundamental problems in classical optics
47.	Dr. Cristina Kurachi University of São Paulo, Brazil	Antimicrobial photodynamic therapy – challenges and strategies for achieving inactivation in biofilms and infected tissues
48.	Dr. Kate Blanco University of São Paulo, Brazil	Antimicrobial Resistance: Exploring Photodynamic Therapy as a Solution
49.	Dr. Natalia Mayumi Inada University of São Paulo, Brazil	High-grade squamous intraepithelial lesion (hsil) treatment with photodynamic therapy
50.	Dr. Mirian Denise Stringasci University of São Paulo, Brazil	Murine melanoma treatment effects using photodynamic therapy and radiotherapy combination
51.	Dr. Alessandra Ramos Lima University of São Paulo, Brazil	Advances in photonic supplementation in plant cultivation: perspectives and challenges in agriculture
52.	Dr. Denise Maria Zezel IPEN/CNEN-SP, São Paulo- Brazil	Hyperspectral imaging pathology shining light on diseases
53.	Dr. Anderson Rodrigues Lima Caires UFMS, Campo Grande, MS, Brazil	Chlorophyll fluorescence spectroscopy: basics and applications
54.	Dr. Cicero Cena UFMS, Campo Grande, MS, Brazil	Photodiagnosis in Latin America: Some solutions based on Optical Spectroscopy and Machine Learning