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

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

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38.	Dr. Ping Xue	Multifunctional OCT for intraoperative
	Tsinghua University, China	tumor diagnosis and rapid pathology
39.	Dr. Xuantao Su	Intelligent imaging flow cytometry for label-
	Shandong University, China	free analysis of single cells and exosomes
40.	Dr. Haixia Qiu	Progress of optical coherence tomography
	Chinese PLA General Hospital, China	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