

Agenda of Sessions — Sunday, 23 April

07:00–19:00	SpE1 • IONS+ Vancouver, Georgia B
07:30–08:00	Conference Opening Coffee Break, Regency Foyer
14:30–16:30	Registration, Regency Foyer
19:00–20:00	SpE5 • Women in Optics Reception, Mosaic Bar

Note: Times listed are Pacific Time (UTC – 07:00)

Please visit optica.org/LifeSciencesOPC or download the meeting app for schedule changes and updates.

Agenda of Sessions — Monday, 24 April

Times listed are Pacific Time (UTC – 07:00)	Regency A	Regency B	Regency D	Regency E	Regency F
	BODA	BRAIN	NTM	OMA	OMP
07:00–18:00	Registration, Regency Foyer				
07:30–08:00	Congress Opening Coffee Break, Regency Foyer				
08:00–10:00	JM1A • Joint Plenary Session, Regency Ballrooms DEF				
10:00–10:30	Exhibit Hall and Coffee Break, Regency Foyer <i>(Coffee break brought to you by American Elements and Light Conversion-USA)</i>				
10:30–12:30	DM2A • Novel Devices and Optical Design	BM2B • Functional Near Infrared Spectroscopy	NM2C • Confocal and Multiphoton Techniques <i>(ends at 12:45)</i>	AM2D • Biological Applications	OM2E • Imaging and Sensing of Biomolecular Processes and Pathways
12:30–14:00	Lunch Break (on own)				
14:00–16:00	DM3A • Computational Methods in Bio-Optics	BM3B • Miniature Microscopes <i>(begins at 13:45)</i>	NM3C • Light Sheet and Structured Illumination Microscopy	AM3D • Plasmonic and Thermophoretic Tweezers	OM3E • Preclinical Fluorescence-Guided Surgery
16:00–16:30	Exhibit Hall and Coffee Break, Regency Foyer <i>(Coffee break brought to you by American Elements and Light Conversion-USA)</i>				
16:30–18:30	DM4A • Optical Imaging for Cancer Detection	BM4B • Fluorescent Probes and Optogenetics I: Engineering and Applications	NM4C • Localization Techniques and in vivo Multiphoton	AM4D • Stochastic Thermodynamics and Active Matter	OM4E • Advanced Optical Molecular Imaging Instrumentation and Methods
18:30–20:00	Conference Reception, 34th Floor				

Key to Conference Abbreviations

BODA	Bio-Optics: Design and Application
BRAIN	Optics and the Brain
NTM	Novel Techniques in Microscopy
OMA	Optical Manipulation and Its Applications
OMP	Optical Molecular Probes, Imaging and Drug Delivery

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Agenda of Sessions — Tuesday, 25 April

Times listed are Pacific Time (UTC – 07:00)	Regency A	Regency B	Regency D	Regency E	Regency F
	BODA	BRAIN	NTM	OMA	OMP
07:30–16:30	Registration, Regency Foyer				
08:00–10:00	DTu1A • Clinical Applications	BTu1B • Neuronal Population Imaging and Behavior	NTu1C • Computational Techniques for Microscopy	ATu1D • Nanoscale Applications	OTu1E • Multimodal Molecular Imaging Techniques
10:00–10:30	Exhibit Hall and Coffee Break, Regency Foyer <i>(Coffee break brought to you by American Elements and Light Conversion-USA)</i>				
10:30–12:30	DTu2A • Novel Microscopy Techniques	BTu2B • Fluorescent Probes and Optogenetics II: Engineering and Applications <i>(ends at 12:45)</i>	NTu2C • Spectroscopic and Fluorescence Lifetime Imaging	ATu2D • Biosensing and Metasurfaces	OTu2E • Theranostics and Drug Delivery Strategies
12:30–14:00	Lunch Break (on own)				
14:00–16:00	DTu3A • Deep Learning	BTu3B • Applications of Diffuse Optics to Disease	NTu3C • Super Resolution <i>(ends at 16:15)</i>	ATu3D • Rotations and Angular Momentum	OTu3E • Reporters and Contrast Agents - Fluorescent Probes
15:00–18:30	End User Workshop and Reception, Stanley				
16:00–17:30	JTu4A • Joint Poster Session Virtual, eGallery JTu4B • Joint Poster Session In Person, Regency C Exhibit Hall and Coffee Break, Regency Foyer <i>(Coffee break brought to you by American Elements and Light Conversion-USA)</i>				
17:30–18:30	SpE4 • A Celebration of 30 years of Single Molecule Optical Tweezers, Regency A				

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Agenda of Sessions — Wednesday, 26 April

Times listed are Pacific Time (UTC – 07:00)	Regency A	Regency B	Regency D	Regency E	Regency F
	BODA	BRAIN	NTM	OMA	OMP
07:30–17:00	Registration, Regency Foyer				
08:00–10:00	DW1A • Endoscopy and Fiber Optics Sensing	BW1B • Alignment of Functional Imaging to Circuit Structure and Behavior	NW1C • Photoacoustics and Polarization Techniques	AW1D • Radiation Pressure and Levitated Optomechanics	OW1E • Preclinical Applications of Optical Molecular Imaging and Spectroscopy
10:00–10:30	Exhibit Hall and Coffee Break, Regency Foyer <i>(Coffee break brought to you by American Elements and Light Conversion-USA)</i>				
10:30–12:30	JW2A • Joint Postdeadline Paper Session I	JW2B • Joint Postdeadline Paper Session II			
12:30–14:00	Lunch Break (on own)				
14:00–16:00	DW3A • Polarization-Based Imaging and Modelling Techniques	BW3B • High Speed and Adaptive Microscopy	NW3C • 3D Tomography and Scattering Contrast	AW3D • Environmental Applications	OW3E • Clinical Translation of Optical Molecular Imaging and Image Guide Surgery (begins at 13:45)
16:00–16:30	Exhibit Hall and Coffee Break, Regency Foyer <i>(Coffee break brought to you by American Elements and Light Conversion-USA)</i>				
16:30–18:30	DW4A • Spectroscopy	BW4B • New Techniques for in vivo Microscopy	NW4C • Multiphoton Techniques (ends at 18:45)	AW4D • Non-Linear Optics and Upconversion	OW4E • Reporters and Contrast Agents - Nanoparticles and Photodynamic Therapy

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Agenda of Sessions — Thursday, 27 April

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07:30–11:00	Registration, Regency Foyer				
08:00–10:00	DTh1A • Cardiovascular Applications	BTh1B • Functional and Multi-Modal Imaging	NTh1C • Holographic, Ptychographic and Phase Techniques	ATh1D • Biological Applications and Optical Fibers	OTh1E • Data Analysis and Reconstruction, Phantoms and Quantitative Validation Methods
10:00–10:30	Exhibit Hall and Coffee Break, Regency Foyer <i>(Coffee break brought to you by American Elements and Light Conversion-USA)</i>				
10:30–12:30	DTh2A • Ophthalmic Instrumentations	BTh2B • Towards Translation of Optical Microscopy and Spectroscopy		DTh2C • Sensing in Medicine and Biology	
12:30–13:15	Closing Reception, Regency Foyer				

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