

Biophotonics Congress
26–29 April 2026
The Westin Fort Lauderdale Beach Resort
Fort Lauderdale, Florida, USA
An in-person event
Eastern Time (EDT)

Agenda of Sessions — Saturday, 25 April

08:00–19:00	Registration, <i>Las Olas Foyer Foyer</i>
09:00–16:00	Technical Group Event: Bridging Engineering And Critical-Care for Optical Neuromonitoring (BEACO), <i>Oceanside</i>
19:00–20:00	Women in Optics Reception, <i>Lona Restaurant</i>

Access to Technical Digest Papers

Full Congress Registrants will have perpetual access to the digest papers through Optica Publishing’s Digital Library starting 13 April 2026.

To access the papers go to <https://www.optica.org/biophotonicsOPC>

and select “Download Technical Digest Papers” from the right column navigation.

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Key to Conference Abbreviations

Translational	Clinical and Translational Biophotonics (Translational)
Microscopy	Microscopy, Histopathology and Analytics (Microscopy)
OCT	Optical Coherence Tomography (OCT)
OT&S	Optical Tomography and Spectroscopy (OT&S)
Brain	Optics and the Brain (Brain)

Agenda of Sessions — Sunday, 26 April

Eastern Time (UTC -08:00)	Las Olas III	Bonnet	Las Olas I,II, V,VI	Las Olas IV	Rio Vista
	Brain	Microscopy	OCT	OT&S	Translational
07:00–18:30	Registration, <i>Las Olas Foyer</i>				
08:00–10:00	BS1A • Multiscale Neuroimaging	MS1B • Novel Microscope Components and Systems	CS1C • Ophthalmic OCT I	OS1D • Advances in Deep Optics I	TS1E • Neuro-monitoring & Cerebral Hemodynamics
10:00–10:30	Coffee Break, <i>Las Olas Foyer</i>				
10:30–12:00	JS2A • Joint Plenary Session I				
12:00–13:30	Lunch Break, <i>On Your Own</i>				
13:30–15:30	BS3A • Clinical Applications I	MS3B • Panel Discussion on In Vivo Microscopy for Clinical Applications	CS3C • Dynamic / Full-Field OCT	OS3D • Novel Algorithm for Deep Optics	TS3E • Vascular Response & Muscle Oximetry
15:30–16:00	Coffee Break, <i>Las Olas Foyer</i>				
16:00–17:30	BS4A • Functional Brain Imaging in Humans I	MS4B • Label-Free Microscopy		OS4C • Fluorescence and Raman Spectroscopy	TS4D • Pediatric Care & Neonatal Applications
17:30–17:45	Break				
17:45–19:15	BS5A • Functional Brain Imaging in Humans II	MS5B • Non-Linear Microscopy	CS4C • Ophthalmic OCT II and Novel Techniques	OS5D • Deep Optics: Challenges and Perspectives	TS5E • Hardware & Computational Modeling

Schedule subject to change. Please check the congress app for the most current schedule.

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Agenda of Sessions — Monday, 27 April

Eastern Time (UTC -08:00)	Las Olas III	Bonnet	Las Olas I,II, V,VI	Las Olas IV	Rio Vista
	Brain	Microscopy	OCT	OT&S	Translational
07:00–19:00	Registration, Las Olas Foyer				
08:00–10:00	BM1A • Clinical Applications II	MM1B • Advances in Clinical Microscopy	SM1C • Biomechanics	OM1D • Advances in Deep Optics II	TM1E • Advanced Microscopy & Flow Cytometry
10:00–17:00	Exhibit Hours, Atlantic Ballroom				
10:00–10:30	Coffee Break with Exhibitors, Atlantic Ballroom <i>Sponsored by American Elements</i>				
10:30–12:00	JM2A • Joint Plenary Session II				
12:00–13:30	Lunch Break, On Your Own				
12:00–13:30	Lunch and Learn, Oceanside				
13:30–15:30	BM3A • Hemodynamic Methods and Instrumentation	MM3B • Computational Microscopy I	CM3C • Deep Tissue Imaging	OM3D • Photonics plus Ultrasound	TM3E • Oncology & Targeted Imaging
15:30–17:00	JM4A • Joint Poster Session I, Atlantic Ballroom Coffee with Exhibitors, Atlantic Ballroom <i>Sponsored by American Elements</i>				
17:30–19:00	Conference Reception				

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Agenda of Sessions — Tuesday, 28 April

Eastern Time (UTC -08:00)	Las Olas III	Bonnet	Las Olas I,II, V,VI	Las Olas IV	Rio Vista
	Brain	Microscopy	OCT	OT&S	Translational
07:00–19:00	Registration, Las Olas Foyer				
08:00–10:00	BT1A • Metabolism & Structural Imaging	MT1B • Emerging Microscopy Applications in Life Sciences	CT1C • AI & Computational OCT	OT1D • Diffuse Correlation and Laser Speckle Techniques	TT1E • Dermatology & Internal Diagnostics
10:00–17:00	Exhibit Hours, Atlantic Ballroom				
10:00–10:30	Coffee Break with Exhibitors, Atlantic Ballroom <i>Sponsored by American Elements</i>				
10:30–12:30	BT2A • Widefield Optical Imaging	MT2B • Computational Microscopy II		OT12D • Deep Optics: Clinical Applications	TT2E • Ocular Imaging & Reconstructions
12:30–14:00	Congress Lunch, Atlantic Ballroom/Foyer				
14:00–15:30	BT3A • Deep Brain Imaging	MT3B • CNovel Contrast, Multi-Modal Microscopy	JT3C • Joint Panel: The Impact of AI on Biophotonics Research		
15:30–17:00	JM4A • Joint Poster Session II, Atlantic Ballroom Coffee with Exhibitors, Atlantic Ballroom <i>Sponsored by American Elements</i>				
17:00–18:30	Industry Panel I: Is Helping Patients Enough? What Makes for A Successful Product, Las Ojas I, II, V, VI				
18:30–19:30	Industry Engagement Networking Event				

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Agenda of Sessions — Wednesday, 29 April

Eastern Time (UTC -08:00)	Las Olas III	Bonnet	Las Olas I,II, V,VI	Las Olas IV	Rio Vista
	Brain	Microscopy	OCT	OT&S	Translational
07:00–18:30	Registration, <i>Las Olas Foyer</i>				
08:00–10:00	BW1A • Functional Imaging of Neural Activity	MW1B • Computational Microscopy III		OW1C • Novel Method for Oximetry	TW1D • Clinical AI & Point-of-Care
10:00–10:30	Coffee Break, <i>Las Olas Foyer</i>				
10:30–12:00	Industry Panel II: Building an Effective Start-up, <i>Las Olas I, II, V, VI</i>				
12:00–13:30	Lunch Break, <i>On Your Own</i>				
13:30–15:00	BW2A • Analysis Algorithms and Frameworks for Neuroimaging	MW2B • Super-Resolution Microscopy		OW2C • Advances in Deep Optics III	TW2D • System Performance & Validation
15:00–15:30	Coffee Break, <i>Las Olas Foyer</i>				
15:30–16:30	JW4A • Joint Postdeadline Paper Presentations				

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