OSA Biophotonics Congress: Optics in the Life Sciences
12–16 April 2021
OSA Virtual Event–Pacific Daylight Time (PDT, UTC-07:00)

Agenda of Sessions — Monday, 12 April

Pacific Daylight Time (PDT, UTC-07:00)	Virtual Room 1	Virtual Room 2	Virtual Room 3	Virtual Room 4	Virtual Room 5
	BODA	Brain	NTM	OMA	OMP
05:00–07:00	**DM1A • Quantitative Phase Imaging and Mechanics**	**BM1B • Shaping Light in Space and Time**	**NM1C • Deep Learning** (Includes Panel Discussion on Deep Learning in Microscopy)	**AM1D • Optical Manipulation of Micro- and Nanostructures**	**OM1E • Oxygen Imaging**
07:00–08:00	**Featured Exhibit Time**				
08:00–09:00	**OSA Color Technical Group Coffee Break**				
09:00–10:00	**Successfully Navigate an OSA Virtual Meeting,** *(Virtual Room 1)*				
10:00–10:30	**Volunteer Opportunities – OSA Technical Groups,** *(Virtual Room 2)*				
11:00-13:00	**DM2A • Ophthalmic Instrumentations**	**BM2B • Hybrid and Multimodal Approaches to NeuroImaging**	**NM2C • Light Sheet and Ultra-violet Microscopies**	**AM2D • New Manipulation Techniques**	**OM2E • Novel Optical Tools**
13:00–14:00	**Women of Biophotonics Meet and Greet,** *(Virtual Room 6)*				
15:00–17:00	**DM3A • Fluorescence Methods in Biology and Medicine**	**BM3B • Large-scale Volumetric Single-photon Imaging**	**NM3C • Advancing Microscopy: Going Faster, Deeper, and Smaller**	**AM3D • Optical Manipulation for Biological Systems I**	**OM3E • Instrumentaion and Image Analysis**

Key to Conference Abbreviations

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

Agenda of Sessions — Tuesday, 13 April

Pacific Daylight Time (PDT, UTC-07:00)	Virtual Room 1	Virtual Room 2	Virtual Room 3	Virtual Room 4	Virtual Room 5
	BODA	Brain	NTM	OMA	OMP
03:00–05:00	**DTu1A • Nano/micro Devices**	**BTu1B • Computational Methods for Estimation of Tissue Optical Properties, De-noising and Data Analysis**	**NTu1C • Phase Microscopy I**	**ATu1D • Optical Manipulation for Biological Systems II**	**OTu1E • Molecular Contrast Agents and Probes**
06:00–07:00	**JTu2A • Joint Plenary Session** **Dan Oron, Weizmann Institute of Science** **"Quantum Enhanced Superresolution Confocal Microscopy",** *(Virtual Room 1)*				
08:00–08:30	**Meet-the-Plenary Speaker–Dan Oron,** *(Virtual Room 1)*				
08:30–09:30	**Featured Exhibit Time**				
10:30–11:00	**OSA's Global Health Initiative Launch,** *(Virtual Room 1)*				
11:00–13:00	**OSA Technical Groups Event: Optical Trapping and Manipulation: Careers and Networking Event**				
13:00-15:00	**DTu3A • Computational Optics**	**BTu3B • Novel Optical Tools for Sensing and Manipulation of Neuronal Activity**	**NTu3C • Multiphoton Imaging**		**OTu3D • Theranostics and PDT**
16:00–17:30	**JTu4A • Joint Poster Session I**				

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Agenda of Sessions — Wednesday, 14 April

Pacific Daylight Time (PDT, UTC-07:00)	Virtual Room 1	Virtual Room 2	Virtual Room 3	Virtual Room 4	Virtual Room 5
	BODA	Brain	NTM	OMA	OMP
04:00–05:00	**Meet the OSA Journals Editors,** *(Virtual Room 1)*				
05:00–06:30	**JW1A • Joint Poster Session II**				
06:30-07:00	**Volunteer Opportunities - OSA Meetings,** *(Virtual Room 2)*				
07:00–08:00	**JW2A • Joint Plenary Session II** **Sandrine Lévêque-Fort, Paris Saclay University** **"Alternative Strategies for 3D Single Molecule Localization Microscopy",** *(Virtual Room 1)*				
09:00–09:30	**Meet-the-Plenary Speaker–Sandrine Lévêque-Fort,** *(Virtual Room 1)*				
09:30–10:30	**Featured Exhibit Time**				
11:00-13:00	**DW3A • Spectroscopy**	**BW3B • Imaging of Neurovascular, Neuroglial and Neuroimmune Interfaces**	**NW3C • Histological and Clinical Techniques**	**AW3D • Novel Manipulation Tools and Applications I**	**OW3E • Pre-Clinical Fluorescence Molecular Imaging**
17:00–19:00	**DW4A • Tissue Oxygenation and Blood Flow**	**BW4B • Diffuse Optics: Clinical Applications**	**NW4C • Super-resolution I**	**AW4D• Novel Manipulation Tools and Applications II**	**OW4E • Multi-Modality Imaging**

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Agenda of Sessions — Thursday, 15 April

Pacific Daylight Time (PDT, UTC-07:00)	Virtual Room 1	Virtual Room 2	Virtual Room 3	Virtual Room 4	Virtual Room 5
	BODA	Brain	NTM	OMA	OMP
05:00–07:00	**DTh1A • Endoscopy and Optical Biopsy**	**BTh1B • Diffuse Optics: Methods**	**NTh1C • Polarization & Collagen**	**ATh1D • Optical Manipulation and Optical Fibres**	**OTh1E • Biomolecular Processes**
07:00–08:00	**Featured Exhibit Time**				
08:00–09:00	**OSA Technical Groups Event: Photobiomodulation: An Emerging Biophotonics of Clinical Transitions and Advanced Therapeutic Devices**				
09:00-11:00	**DTh2A • Microscopy**	**BTh2B • From Circuits to Behavior**	**NTh2C • Phase Microscopy II**		**OTh2D • Fluorescence Guided Surgery**
12:00–13:00	**JTh3A • Joint Plenary Session III** **R. Clay Reid, The Allen Institute for Brain Science** **"Petascale Microscopy for Brain Mapping: Electron and Light Microscopic Approaches to Connectomics",** *(Virtual Room 1)*				
14:00–14:30	**Meet-the-Plenary Speaker–R. Clay Reid,** *(Virtual Room 1)*				

— Friday, 16 April

Pacific Daylight Time (PDT, UTC-07:00)	Virtual Room 1	Virtual Room 2	Virtual Room 3	Virtual Room 4	Virtual Room 5
	BODA	Brain	NTM	OMA	OMP
03:00–05:00	**DF1A • Cancer and Clinical Applications**	**BF1B • Diffuse Optics: Basic Research**	**NF1C • Super-Resolution II**	**AF1D • Optical Trapping and Manipulation of New Materials**	**OF1E • Raman Spectroscopy**
05:30–06:30	**Featured Exhibit Time**				
07:00-09:00	**DF2A • Nonlinear Optical Processes and Applications**	**BF2B • Microscopic Imaging of Function and Structure in Brain Disease**	**NF2C • Computational Imaging**	**AF2D • Optical Tweezers Applications and New Analysis Tools**	**OF2E • Tissue Morphology**

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