



**FLUORESCENCE  
SOCIETY**



## Light in Biology: New Advances

An online curtain-raiser for the FCS XV and OWLS-17 conference in Mumbai, Nov. 16-21, 2024

**Friday, October 18, 2024 (online)**

Time (Indian)	Title	Speaker
12:00 PM - 1.00 PM	Cryogenic Superresolution Microscopy	<b>Vahid Sandoghdar</b> Max Planck Institute for the Science of Light, Erlangen, Germany
1.00 PM - 2.00 PM	LUNCH BREAK	
2.00 PM -3.00 PM	Single-molecule FRET for studying (fast) protein dynamics	<b>Gilad Haran</b> Weizmann Institute, Israel
3.00 PM -4.00 PM	New Advances in Fluorescence Correlation Spectroscopy	<b>Joerg Enderlein</b> The University of Goettingen, Germany
4.00 PM -5.00 PM	TEA BREAK	
5.00 PM – 6.00 PM	Mechanotransduction at single molecule resolution	<b>Taekjip Ha</b> Harvard Medical School, USA

Live on YouTube

<https://www.youtube.com/live/rJWZFaa5Rbk>

<https://fluorescenceindia.org/>



# ONLINE FCS WORKSHOP SCHEDULE in OCTOBER 2024

<b>Friday</b>	18 <sup>th</sup> October [DAY 1] "NEW ADVANCES in the APPLICATIONS of LIGHT in BIOLOGY"
12:00 - 1:00 PM	Vahid Sandoghdar (Cryo-Super-resolution Imaging)
1:00 PM - 2:00 PM	Lunch Break
2:00 PM - 3:00 PM	Gilad Haran (smFRET for Protein Dynamics)
3:00 PM - 4:00 PM	Joerg Enderlein (Advances in FCS)
4:00 PM - 5:00 PM	Tea Break
5:00 PM - 6:00 PM	Taekjip Ha (Mechanotransduction of single molecules)

<span style="color: green;">■</span>	TRAFS
<span style="color: red;">■</span>	FCS
<span style="color: blue;">■</span>	sm/SR
<span style="color: orange;">■</span>	Force
<span style="color: black;">■</span>	Raman

	19 <sup>th</sup> October [Day 2]: BASICS and Instrument DEMO <b>Saturday</b>					20 <sup>th</sup> October [Day 3]: BASICS and Instrument Demo <b>Sunday</b>				
10:00 AM - 11:00 AM	Sudipta FCS Basics					Anindya TCSPC- 2 & Data analysis	Sudipta Fitting + Lab Demo	Arindam SR basics + Demo	Roop Tweezer Basics + Demo	Pavan Plamomics + Demo
11:00 AM - 12:00 PM	Anindya TCSPC- 1 + Sobhan NLO Basics									
12:00 PM - 1:00 AM	Chandrabhas Raman Basics									
1:00 PM - 2:00 PM	Lunch Break									
2:00 PM - 3:00 PM	Koti AFM Basics					Mahesh/JD TA Basics + Demo	Bidyut FLCS	Roop Lattice Light sheet + Demo	Sabyasachi Mag Force + Demo	Mahesh/JD TA Basics + Demo
3:00 PM - 4:00 PM	Arindam sm Basics									
4:00 PM - 6:00 PM	Anindya/Sobhan Lab Demo Data analysis	Sudipta Data analysis	Arindam sm Basics + Demo	Koti AFM Demo	Chandrabhas Raman Demo					