

Slot	Sun 13 th		Mon 14 th				Tue 15 th				
	AG-66	AG-80	AG-66	D-405	AG-80		AG-66	AG-80			
9:00-10:30 am	Check-in to hotels and Registration for FCS Opening Words In AG-66 at noon J. Dasgupta/S. Maiti		Optical Response Theory		Imaging I		FCS I	Ultrafast I			
10:30-11:00 am			S. Mukamel in AG-66		Trevor Smith		T. Wohland	Delmar Larsen			
11:00-12:30 pm			Fluorescence III		Plasmonics		Imaging II		FCS II	Ultrafast II	
12:30 – 2:00 pm	Welcome Lunch		G. Krishnamoorthy		A. Venu Gopal		Trevor Smith		T. Wohland	Delmar Larsen	
2:00 -3:30 pm	AFM I	Fluorescence I	TCSPC Demo	Open Forum	Demo Sessions		Optical Tweezers	SMS I	Demo Session:	Probes	
	ASR Koti	G. Krishnamoorthy	(BG-33)	Theory and	Plasmonics	Raman	Roop Mallik	Gilad Haran	FCS	Development I	
			Ask G.K.	Experiments	(C-225)	(D304)	Lab visit (B-305)		(D-304)	Christoph Fahrni	
3:30 – 4:00 pm			(D-405)	(AG-66)			Tea Break				
4:30- 6:00 pm	AFM II	Fluorescence II	Demo Sessions		Demo Sessions		Demo Sessions		SMS II	Probes Development II	
	ASR Koti	G. Krishnamoorthy	TCSPC Demo	UFP – Demo	Plasmonics	Raman	Confocal	AFM	Gilad Haran	Christoph Fahrni	
			(BG-33)	(B-118)	(C-225)	(D304)	(Hutment)	(BB-28)			
6:30 - 8:00 pm			Dinner + Discussion								
8:00 -9:00 pm	J Enderlein: Single Mol. Spectroscopy		TCSPC Demo	UFP Demo	SERS Demo		Demo Sessions		Demo Session: FCS	Ultrafast Demo	
9:00 pm – 10:00 pm	Free Time		(BG-33)	(B-118)	Continues (D-304)		Confocal	AFM	(D-304)	(B-118)	
							(Hutment)	(BB-28)			

Imaging Plus (IP): AFM+ Imaging + Optical Traps + Probes

Raman Plus (RP): Optical Response + Plasmonics + Raman

Ultrafast Plus (UFP): Optical Response + Ultrafast + T. R. Fluorescence

Fluorescence Plus (FP): Fluorescence Basics + FCS + T. R. Fluorescence

Day 1

ASR Koti, TIFR Mumbai

AFM I: Imaging and Dynamic Force Spectroscopy (DFS)

AFM II: Protein Unfolding and Refolding using DFS

G. Krishnamoorthy, TIFR/IITB

Fluorescence I: Basics of Fluorescence

Fluorescence II: Time Resolved Fluorescence

J. Enderlein, Univ of Göttingen

Single Molecule Spectroscopy

Day 2

Shaul Mukamel, UC Irvine

Optical Response Theory

Achanta Venugopal, TIFR Mumbai

Plasmonics: Basics and Applications

G Krishnamoorthy, TIFR/IITB

Fluorescence III: Fluorescence Anisotropy

Trevor Smith, University of Melbourne

Imaging I: Basics of Optical Imaging

Imaging II: Imaging at High Spatio-Temporal Resolution

Roop Mallik, TIFR Mumbai

Optical Tweezers: Mechanism of Optical Trapping and Applications

Day 3

Thorsten Wohland, NUS, Singapore

FCS I: Basics of FCS and FCCS

FCS II: FCS Data Treatment

Gilad Haran, Weizmann Institute

SMS I: Plasmon-Enhanced Vibrational spectroscopy

SMS II: Single-molecule Fluorescence spectroscopy

Delmar Larsen, UC Davis

Ultrafast I: Basics of Non-linear Optical Spectroscopy

Ultrafast II: Transient Absorption: Data Analysis

Christoph Fahrni, Georgia Tech, USA

Synthetic Molecular Probes I: Design

Synthetic Molecular Probes II: Application

Imaging Plus

Confocal Demo in Hutment
AFM Demo in BB-28

Group A:

Vidhu S, *IIT Kanpur*
Jyoti Sharma, *IITD*
Bala Gopal Maddala, *IIT Bombay*
Pooja Patheja, *RRCAT, Indore*
G. Aditya Kumar, *CCMB, Hyd.*
Tanusree Mondal, *ISM, Dhanbad*
Vikas Pandey, *IIT Delhi*

Group B:

Sudipta Kumar Bera, *IISER-K*
B M Ashwin, *Alagappa Univ.*
Bhaswati Sengupta, *IIT Kanpur*
Amitava Chandra, *TIFR, Mumbai*
Parijat Sarkar, *CCMB, Hyd.*
Sakshi Choudhary, *ISM Dhanbad*
Mohd. Jafurulla, *CCMB, Hyd.*

Ultrafast Plus

Ultrafast Demo in B-118
TCSPC Demo in BG-33

Group A:

Chakali Madhu, *CSIR-IICT*
Yeduru Venkatesh, *CSIR-IICT*
Kavita Yadav, *JNU*
Him Shweta, *JNU*
Abrar Ahmed Bhat, *NCBS*

Group B:

Joel Cornelio, *TIFR*
Sreetama Pal, *CCMB*
D. C. Khara, *Ben-Gurion Univ., Israel*
Arjun Sharma, *BARC*
K G Harsha, *CSIR-IICT*
Dr. Manoj Kumbhakar, *BARC*

Raman Plus

Plasmonics Demo in C-2205
SERS Demo in D-304

Group A:

Anirban Kundu, *INST Mohali*
Arup K. Kunti, *ISM Dhanbad*
D. Banerjee, *ISM Dhanbad*
Dr. S. Chidangil, *Manipal Univ.*
V. Thiagarajan, *Bharatidasan Univ.*
Prasenjit P. Sukul, *ISM, Dhanbad*

Group B:

Pankaj Kushwaha, *RRCAT, Indore*
Aditi Sahu, *ACTREC, Mumbai*
Piyush Kumar, *ACTREC, Mumbai*
Arti Hole, *ACTREC, Mumbai*
Dr. A. Mishra, *CSIR-IMMT*
Shefali Ramteke, *ARI, Pune*
Debasis Banik, *IITKGP*

Fluorescence Plus

TCSPC Demo in BG-33
FCS Demo in D-304

Group A:

Navneet Verma, *IIT Mandi*
Syamantak Khan, *IIT Mandi*
Sayli Dalal, *CSIR-NCL, Pune*
Bhagyashree D. Rao, *CCMB*
Sufi O Raja, *inStem, NCBS*
Easwaramoorthi S, *CSIR-CLRI*

Group B:

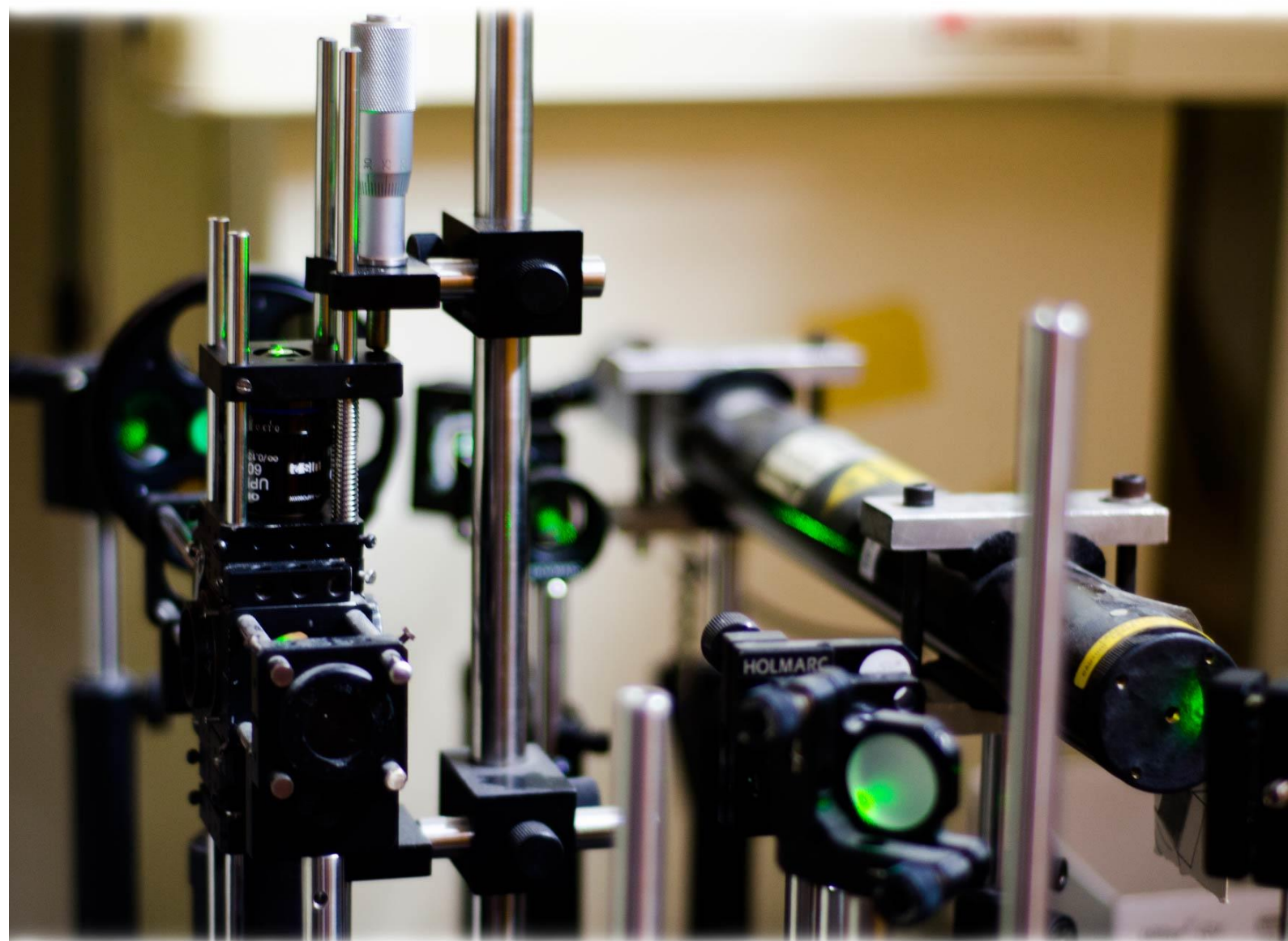
Sreemantee Sen, *NCBS, Bangalore*
Rizwana Khanum, *ISM, Dhanbad*
Niloy Kundu, *IITKGP*
Aditya G. Rao, *IIT Guwahati*
Haim Yuval Aviram, *WIS, Israel*
Amlan Barai, *IIT Bombay*
Bikas C. Swain, *ISM Dhanbad*



F C S 2016

FLUORESCENCE
SOCIETY

NATIONAL WORKSHOP ON FLUORESCENCE AND RAMAN TECHNIQUES



March 13th-15th 2016, TIFR, Mumbai, India

FCS-2016 Organizers

OWLS 2016 Team, Madhuri Ugrankar Kallianpur, Dr. Anoop Rawat,
Satya Narayan, Shreetama Karmakar, Kshama Sharma,
Bappaditya Chandra, Joel Cornelio, Simli Dey, Barun Kumar Maity

Website: owls2016.org