



Slot	Wednesday 16 <sup>th</sup> March 2016
<b>9:00 – 10:00 am</b>	<b>Registration and Inauguration @ Homi Bhabha Auditorium (HBA) TIFR</b>
<b>Session</b>	<b>Theoretical Optical Spectroscopy – 1 @ AG-66</b>
<u>10:00 – 10:30 am</u>	<i>Energy transfer in the FMO complex and some nanosystems</i> K. L. Sebastian (IISC, Bangalore, India)
<u>10:30 – 11:00 am</u>	<i>Probing Biological Charge and Energy Transfer by Multidimensional Stimulated X ray Raman Spectroscopy</i> Shaul Mukamel (UC-Irvine, USA)
<u>11:00 – 11:30 am</u>	<i>Time Dependent Infrared Spectroscopy and Hydrogen Bond Fluctuations in Aqueous Solutions from First Principles Simulations</i> Amalendu Chandra (IIT-Kanpur, India)
<b>11:30 – 11:50 am</b>	<b>Tea Break then Ultrafast Optical Spectroscopy – 1 @ AG-66</b>
<u>11:50 – 12:20 pm</u>	<i>Femtosecond Time-Resolved Impulsive Stimulated Raman Study of Ultrafast Dynamics of Proteins</i> Tahei Tahara (RIKEN, Saitama, Japan)
<u>12:20 – 12:50 pm</u>	<i>A tale of three proteins: Ultrafast Spectroscopy of Cyanobacteriochromes</i> Delmar S. Larsen (UC-Davis, USA)
<u>12:50 – 1:10 pm</u>	<i>Ultrafast dynamics in fluorescent probes</i> Anindya Datta (IIT-Bombay, Mumbai, India)
<b>1:10 – 2:10 pm</b>	<b>Lunch then Fluorescence Spectroscopy – 1 @ AG-66</b>
<u>2:10 – 2:40 pm</u>	<i>Dipole Potential in Organized Molecular Assemblies: A Useful Tool in Lipid-Protein Interactions</i> Amitabha Chattopadhyay (CCMB, Hyderabad, India)
<u>2:40 – 3:10 pm</u>	<i>A recent updates on the photoluminescence origin of carbon dots and its application in single molecule blinking microscopy</i> Chayan K. Nandi (IIT-Mandi, India)
<u>3:10 – 3:30 pm</u>	<i>Discerning the structural coordination and dynamics of proapoptotic serine protease HtrA2</i> Kakoli Bose (ACTREC, Mumbai, India)
<b>3:30 – 4:00 pm</b>	<b>OWLS Members Assembly @ HBA</b>
<u>4:00-5:00 pm</u>	<b>An unfolding connection between yoga and muscle contraction</b> <b>Julio M. Fernandez (Columbia Univ., New York, USA)</b>
<b>5:00- 5:30 pm</b>	<b>Tea Break then Fluorescence Spectroscopy – 1 @ AG-66</b>
<u>5:30 -- 6:00 pm</u>	<i>DNA/Protein - small molecule interactions: a spectroscopic perspective</i> Samita Basu (SINP, Kolkata, India)
<u>6:00 -- 6:30 pm</u>	<i>Intrinsically Disordered Proteins: Mapping the Water Mobility at the Femtosecond Time Resolution</i> Samrat Mukhopadhyay (IISER-Mohali, India)
<u>6:30 – 6:50 pm</u>	<i>Fluorescence correlation spectroscopy and electron transfer reaction</i> Manoj Kumbhakar (BARC, Mumbai, India)
<b>6:50 --</b>	<b>Dinner + Posters (HBA-Foyer)</b>



Slot	Wednesday 16 <sup>th</sup> March 2016
<b>9:00 – 10:00 am</b>	<b>Registration and Inauguration @ Homi Bhabha Auditorium (HBA) TIFR</b>
<b>Session</b>	<b>Single Molecule Spectroscopy – 1 @ HBA</b>
<u>10:00 – 10:30 am</u>	<i>Direct Observation of Sub-Microsecond Motions in a Transcription Activator Domain Complex</i> Hagen Hofmann (Weizmann Inst. of Sci., Rehovot, Israel)
<u>10:30 – 11:00 am</u>	<i>Single Molecule Spectroscopy of a Single Live Cell</i> Kankan Bhattacharyya (IACS, Kolkata, India)
<u>11:00 – 11:30 am</u>	<i>The aggregation of alpha synuclein in vitro and in living cells</i> K. Chattopadhyay (IICB, Kolkata, India)
<b>11:30 – 11:50 am</b>	<b>Tea Break then Super Resolution Imaging – 1 @ HBA</b>
<u>11:50 – 12:20 pm</u>	<i>Time-Resolved and Polarised Evanescent Wave-Induced Fluorescence Spectroscopy of Fluorophores Near an Interface</i> Trevor Smith (Univ. of Melbourne, Australia)
<u>12:20 – 12:50 pm</u>	<i>Investigations on the biological samples by using second harmonic generation and near field techniques in apertureless near field optical microscopy</i> George A. Stanciu (Univ. of Bucharest, Romania)
<u>12:50 – 1:10 pm</u>	<i>Lateral Diffusion and Real-time Nanoscale organization of Amyloid Precursor Protein on the plasma membrane</i> Deepak Nair (IISc, Bangalore, India)
<b>1:10 – 2:10 pm</b>	<b>Lunch then Biological Probes – 1 @ HBA</b>
<u>2:10 – 2:40 pm</u>	<i>Illuminating Biological Trace Metals with High- and Low-Energy Photons</i> Christoph J. Fahrni (Georgia Tech., Georgia, USA)
<u>2:40 – 3:10 pm</u>	<i>Molecular Probes for Sensing and Bioimaging Applications</i> T. Govindaraju (JNCASR, Bangalore, India)
<u>3:10 – 3:30 pm</u>	<i>Small Molecules as Photopharmacological Tools to Control Cellular Function with Light</i> Martin Sumser (LMU, Munich, Germany)
<b>3:30 – 4:00 pm</b>	<b>OWLS Members Assembly @ HBA</b>
<b>4:00-5:00 pm</b>	<b>An unfolding connection between yoga and muscle contraction</b> <b>Julio M. Fernandez (Columbia Univ., New York, USA)</b>
<b>5:00- 5:30 pm</b>	<b>Tea Break then Biological Probes – 1 @ HBA</b>
<u>5:30 -- 6:00 pm</u>	<i>Fluorogenic and solvatochromic probes for lipids and proteins in biomembranes</i> Andrey S. Klymchenko (Univ. of Strasbourg, France)
<u>6:00 -- 6:30 pm</u>	<i>Purpose Built Molecules for Imaging or Diagnostic Application</i> Amitava Das (NCL-Pune, India)
<u>6:30 – 6:50 pm</u>	<i>Chemical Tools for Imaging Signaling Phospholipids</i> Ankona Datta (TIFR, Mumbai, India)
<b>6:50 --</b>	<b>Dinner + Posters (HBA-Foyer)</b>



<u>Slot</u>	Thursday 17 <sup>th</sup> 2016
<b>Session</b>	<b>Theoretical Optical Spectroscopy – 2 @ AG-66</b>
<u>9:00 – 9:30 am</u>	<i>Understanding the Photoisomerization Mechanism of Retinal in Rhodopsin using QM/MM simulations</i> Igor Schapiro (Hebrew Univ., Jerusalem, Israel)
<u>9:30 – 10:00 am</u>	<i>Ultrafast spectroscopy of proteins</i> Thomas la Cour Jansen (Zernike Inst. for Adv. Mat., Holland)
<u>10:00 – 10:20 am</u>	<i>Origins of Early, Non-Uniform Cold Denaturation in the Yfh1 Protein and the Response of the Local Hydration Layer</i> Neelanjana Sengupta (NCL-Pune, India)
<b><u>10:20 – 10:40 am</u></b>	<b>Tea Break then Ultrafast Spectroscopy – 2 @ AG-66</b>
<u>10:40 – 11:10 am</u>	<i>Power-law Solvation Dynamics in G-quadruplex DNA: Role of Water Dynamics in Stabilization of Ligand inside DNA</i> Sobhan Sen (JNU, Delhi, India)
<u>11:10 – 11:30 am</u>	<i>The primary photo reaction of channelrhodopsin-1</i> Till Stensitzki (Freie Univ., Berlin, Germany)
<u>11:30 – 11:50 am</u>	<i>Carbonyl hydrogen bond dynamics in aqueous solution in presence of a cosolvent</i> Sayan Bagchi (NCL-Pune, India)
<u>11:50 – 12:10 pm</u>	<i>Effect of Short Chain Polyethyleneglycols on the Structure and Collective Hydration Dynamics of a Model Protein Human Serum Albumin</i> Rajib K. Mitra (SNBNCBS, Kolkata, India)
<b><u>12:10 – 3:15 pm</u></b>	<b>Lunch and Poster Presentations(Even Numbered Posters)</b> <b>Venue: HBA Foyer</b>
<b><u>3:15– 3:30 pm</u></b>	<b>Conference Photograph 3:15-3:30 pm @ TIFR Lawns</b>
<b>Session</b>	<b>Ultrafast Spectroscopy – 3 @ AG-66</b>
<u>3:30 – 4:00 pm</u>	<i>A first look at the photochemistry of Thermophilic Rhodopsin</i> Sanford Ruhman (Hebrew Univ., Jerusalem, Israel)
<u>4:00 – 4:30 pm</u>	<i>Coherence Shift Mechanism Explains Long-Lived Coherences in Reaction Centers</i> Donatas Zigmantas (Lund Univ., Sweden)
<u>4:30 – 4:50 pm</u>	<i>Ultrafast species-selective photochemistry using the mixed IR/non-IR VIPER 2D-IR pulse sequence</i> Luuk van Wilderen (Johann Wolfgang Goethe Univ., Frankfurt, Germany)
<u>4:50– 5:05 pm</u>	JPK Technical Talk @ HBA
<b><u>5:05-5:20 pm</u></b>	<b>Tea Break then Theoretical Optical Spectroscopy – 3</b>
<u>5:20 – 5:50 pm</u>	<i>Elucidation of structural properties of the chromophore site in Phytochromes</i> Maria A. Mroginiski (TU-Berlin, Germany)
<u>5:50 – 6:10 pm</u>	<i>Identification of Novel Charge Transfer Transitions in the Absorption Spectra of Proteins</i> Ravi Venkatramani (TIFR, Mumbai, India)
<u>6:20 – 6:40 pm</u>	<b>Single Session @ HBA</b>
<b><u>7:00-9:00 pm</u></b>	<b>Banquet (TIFR Lawns)</b>



Slot	Thursday 17 <sup>th</sup> 2016
<b>Session</b>	<b>Biological Probes – 2 @ HBA</b>
<u>9:00 – 9:30 am</u>	<i>New Isomorphous Fluorescent Nucleosides for Studying RNA-based Processes</i> Yitzhak Tor (UC-San Diego, USA)
<u>9:30 – 10:00 am</u>	<i>Small Molecule Tools to Probe Redox Biology</i> Harinath Chakrapani (IISER-Pune, India)
<u>10:00 – 10:30 am</u>	<i>Molecules that Generate 'Fingerprints': A New Class of Fluorescent Probes for Chemical Biology and Proteomics</i> David Margulies (Weizmann Inst. of Sci., Rehovot, Israel)
<b><u>10:20 – 10:40 am</u></b>	<b>Tea Break then Super Resolution Imaging – 2 @ HBA</b>
<u>10:40 – 11:10 am</u>	<i>A New Perspective on Nanoscale Structure and Dynamics with Ultrasensitive Optical Microscopy</i> Philipp Kukura (Univ. of Oxford, UK)
<u>11:10 – 11:40 am</u>	<i>Towards Molecular Structure Microscopy using Single Spins in Diamond.</i> Gopalakrishnan Balasubramanian (MPI, Göttingen Germany)
<u>11:40 – 12:00 noon</u>	<i>Understanding assembly of pore forming toxins using single molecule imaging</i> Rahul Roy (IISc, Bangalore, India)
<b><u>12:00 – 3:15 pm</u></b>	<b>Lunch and Poster Presentations(Even Numbered Posters)</b> <b>Venue: HBA Foyer</b>
<b><u>3:15– 3:30 pm</u></b>	<b>Conference Photograph 3:15-3:30 pm @ TIFR Lawns</b>
<b>Session</b>	<b>Single Molecule Spectroscopy – 2 @ HBA</b>
<u>3:30 – 4:00 pm</u>	<i>High- and Super-Resolution Fluorescence Microscopy</i> Joerg Enderlein (Georg August Univ., Göttingen, Germany)
<u>4:00 – 4:30 pm</u>	<i>Imaging Fluorescence Correlation Spectroscopy as a Tool to Investigate Membrane Structure and Dynamics in Live Cells and in Vivo</i> Thorsten Wohland (NUS, Singapore)
<u>4:30 – 4:50 pm</u>	<i>Conserved secondary structure conceals a major structural reorganization as transient Amyloid beta oligomers evolve into mature fibrils</i> Sudipta Maiti (TIFR, Mumbai, India)
<u>4:50– 5:05 pm</u>	JPK Technical Talk @ HBA
<b><u>5:05-5:20 pm</u></b>	<b>Tea Break then Single Molecule Spectroscopy-2 + Biological Probes-3</b>
<u>5:20 – 5:50 pm</u>	<i>Beyond the sequence – Single-molecule epigenomics</i> Yuval Ebenstein (Tel Aviv Univ., Israel)
<u>5:50 – 6:10 pm</u>	<i>Optical Fibre Sensors for Healthcare</i> Stephen Morgan (Univ. of Nottingham, UK)
<u>6:20 – 6:40 pm</u>	<i>Decoding the signaling plasticity associated with the Src family of kinases in multiple cellular processes using genetically encoded biosensors</i> Ananya Mukherjee (InStem, NCBS, Bangalore, India)
<b><u>7:00-9:00 pm</u></b>	<b>Banquet (TIFR Lawns)</b>



<u>Slot</u>	Friday 18 <sup>th</sup> March
<b>Session</b>	<b>Biological Imaging in Live Cells – 1 @ AG-66</b>
<u>9:00 – 9:30 am</u>	<i>Fluorescence Spectroscopy in the pursuit of living cell membrane structure</i> Satyajit Mayor (NCBS, Bangalore, India)
<u>9:30 – 10:00 am</u>	<i>Quantitative and high resolution fluorescence imaging of molecular interactions and dynamics of HIV-1 proteins in cells</i> Yves Mely (Univ. of Strasbourg, France)
<u>10:00 – 10:20 am</u>	Jayaprakash Balaji (IISC, Bangalore, India)
<b><u>10:20 – 11:00 am</u></b>	<b>Tea Break then Biological Imaging in Live Cells – 1 @ AG-66</b>
<u>11:00 – 11:20 am</u>	<i>Going beyond the mean - measuring the heterogeneity of DNA damage responses with single-cell observation and manipulation</i> Aprotim Majumdar (TCIS, TIFR, Hyderabad, India)
<u>11:20 – 11:40 am</u>	<i>Single shot high resolution digital holographic microscopy</i> Kedar Khare (IIT-Delhi, India)
<u>11:40 – 12:00 noon</u>	<i>Taking cell division out of the cell: Studying cytokinesis in vitro.</i> Mithilesh Mishra (TIFR, Mumbai, India)
<b><u>12:00 – 3:15 pm</u></b>	<b>Lunch and Poster Presentations (Odd Numbered Posters)</b> <b>Venue: HBA Foyer</b>
<b><u>3:15 – 3:30 pm</u></b>	Leica Technical talk @ HBA
<b>Session</b>	<b>Nanoscale Biophysics – 1 @ AG-69</b>
<u>3:30 – 4:00 pm</u>	<i>Protein Structural Dynamics one Tilt at a Time</i> Yale E. Goldman (Univ. of Pennsylvania, Philadelphia, USA)
<u>4:00 – 4:30 pm</u>	<i>All-optical probing of differentiation of cancerous cells</i> Deepak Mathur (TIFR, Mumbai, India)
<u>4:30 – 4:50 pm</u>	<i>Protein Stiffness and Dynamics Probed by Force Spectroscopy and Fluorescence Spectroscopy</i> A. S. R. Koti (TIFR, Mumbai, India)
<u>4:50 – 5:05 pm</u>	Horiba Technical Talk @ HBA
<b><u>5:05 – 5:20 pm</u></b>	<b>Tea Break then Nanoscale Biophysics – 1 @ AG-69</b>
<u>5:20 – 5:50 pm</u>	<i>Nuclear Mechanics of Genome Reprogramming</i> G.V. Shivashankar (NUS, Singapore)
<u>5:50 – 6:10 pm</u>	<i>Resolving the structure and mechanosensing behavior of non-classical cadherin-23 dimers</i> Sabyasachi Rakshit (IISER-Mohali, India)
<u>6:20 – 6:40 pm</u>	<b>Single Session @ HBA</b>
<b><u>7:00 – 9:00 pm</u></b>	<b>Cultural Program (HBA) + dinner</b>



Slot	Friday 18 <sup>th</sup> March
<b>Session</b>	<b>Fluorescence Spectroscopy – 2 @ HBA</b>
<u>9:00 – 9:30 am</u>	<i>Microsecond rearrangements of the polypeptide chain prime specific structure formation during protein folding</i> Jayant B. Udgaonkar (NCBS, Bangalore, India)
<u>9:30 – 10:00 am</u>	<i>Multidomain protein in a crowded environment: Insights and challenges</i> Pramit K. Chowdhury (IIT-Delhi, India)
<u>10:00 – 10:20 am</u>	<i>Watching structure and dynamics of proteins and protein complexes by high-precision FRET in vitro and in live cells</i> Claus Seidel (Heinrich Heine Univ., Dusseldorf, Germany)
<b><u>10:20 – 10:40 am</u></b>	<b>Tea Break then SERS &amp; Raman in Biology –1 @ HBA</b>
<u>10:40 – 11:10 am</u>	<i>Strength of Eye Capsule to trehalose mediated protein stability understood through Raman spectroscopy</i> Chandrabhas Narayana (JNCASR, Bangalore, India)
<u>11:10 – 11:40 am</u>	<i>Optical Diagnostics in Cancer: Role of Raman Spectroscopy</i> C. Murali Krishna (ACTREC, Mumbai, India)
<u>11:40 – 12:00 noon</u>	<i>Studying Protein Disordered by Raman Microscopy</i> Nakul C. Maiti (IICB, Kolkata, India)
<b><u>12:00 – 3:15 pm</u></b>	<b>Lunch and Poster Presentations (Odd Numbered Posters)</b> <b>Venue: HBA Foyer</b>
<b><u>3:15 – 3:30 pm</u></b>	Leica Technical talk @ HBA
<b>Session</b>	<b>SERS &amp; Raman in Biology – 2 @ HBA</b>
<u>3:30 – 4:00 pm</u>	<i>EVERY MOLECULE IS SPECIAL: Enzyme Catalysis on the Single-Molecule Level</i> Gilad Haran (Weizmann Inst. of Sci., Rehovot, Israel)
<u>4:00 – 4:30 pm</u>	<i>Protein Conformations and Dynamics at Surfaces</i> Gilbert Walker (Univ. of Toronto, Canada)
<u>4:30 – 4:50 pm</u>	<i>Fiber optic probes for biological interaction analysis and biosensors</i> V. V. Raghavendra Sai (IIT-Madras, Chennai, India)
<u>4:50 – 5:05 pm</u>	Horiba Technical Talk @ HBA
<b><u>5:05 – 5:20 pm</u></b>	<b>Tea Break then Ultrafast Spectroscopy – 4 @ AG-66</b>
<u>5:20 – 5:50 pm</u>	<i>How shared vibrations drive photosynthetic energy transfer</i> David Jonas (Univ. of Colorado, Boulder, USA)
<u>5:50 – 6:10 pm</u>	<i>Light-driven sodium pump rhodopsin and its transport mechanism</i> Keiichi Inoue (Nagoya Inst. of Tech., Japan)
<u>6:20 – 6:40 pm</u>	<i>Probing Ultrafast Photo-isomerization Reactions that Regulate Photosynthetic Activity</i> Jyotishman Dasgupta (TIFR, Mumbai, India)
<b><u>7:00 – 9:00 pm</u></b>	<b>Cultural Program (HBA) + dinner</b>



Slot	Saturday 19 <sup>th</sup> March
<b>Session</b>	<b>Nanoscale Biophysics –2 @ VMCC Main Hall (IIT-Bombay)</b>
<u>9:00 –9:30 am</u>	<i>Dynamin-related protein (Drp1) mediates membrane fission</i> Thomas Pucadyil (IISER-Pune, India)
<u>9:30 – 10:00 am</u>	<i>Mechanical responses of the axonal cytoskeleton and membrane probed using optical methods.</i> Pramod A. Pullarkat (RRI, Bangalore, India)
<u>10:00 – 10:20 am</u>	<i>Leading Pathogens to the Death chamber : A Kinder face of Cholesterol</i> Roop Mallik (TIFR, Mumbai, India)
<b><u>10:20 – 10:40 am</u></b>	<b>Tea Break then Nanoscale Biophysics –2 @ VMCC Main Hall</b>
<u>10:40 – 11:00 am</u>	<i>Compact Wave-Guide based Evanescent Excitation for Fluorescence Imaging</i> Ravi Elangovan (IIT-Delhi, India) 10:40 – 11:00 am
<u>11:00 – 11:20 am</u>	<i>Nanoscale Biophysics on Nanopore Platform</i> Gautam V. Soni (RRI, Bangalore, India) 11:00 – 11:20 am
<u>11:20 – 11:40 noon</u>	<i>Role of Lipid droplets (LDs) in the development of the zebrafish embryo</i> Deepak Kumar Sinha (IISER-Kolkata, India) 11:20 –11:40 am
<b><u>11:40 –2:00 pm</u></b>	<b>Lunch + Mixer Events</b>
<b>Session</b>	<b>Fluorescence Spectroscopy – 4 @ VMCC Main Hall</b>
<u>2:00 – 2:30 pm</u>	<i>Investigating Lysozyme Aggregation at Ultra-dilute concentrations</i> Rajaram Swaminathan (IIT-Guwahati, India)
<u>2:30– 2:50 pm</u>	<i>Thermodynamics of fibrillization of amyloid proteins</i> Kanchan Garai (TCIS, TIFR, Hyderabad, India)
<b><u>2:50– 3:10 pm</u></b>	<i>Local and global structural transition of <math>\alpha</math>-synuclein in amyloid formation</i> Samir K. Maji (IIT-Bombay, Mumbai, India)
<b><u>3:10 –3:30 pm</u></b>	<b>Tea Break then short oral presentations</b>
<u>3:30 – 3:45 pm</u>	<i>Label-free imaging of Serotonin in live C. elegans</i> Umakanta Tripathy (ISM-Dhanbad, India)
<u>3:45– 4:00 pm</u>	<i>Stimulated Raman Scattering microspectroscopy and its application in cell imaging</i> V. Ramanathan (SASTRA Univ., Thanjavur, India)
<b><u>4:00 -4:30 pm</u></b>	<b>Closing Remarks &amp; Prize Distribution @ VMCC Main Hall</b>



Slot	Saturday 19 <sup>th</sup> March
<b>Session</b>	<b>Biological Imaging in Live Cells – 2 &amp; Fluorescence Spectroscopy—3 @ VMCC 21 (IIT-Bombay)</b>
<u>9:10–9:40 am</u>	<i>Resolution benefits through microscopic spatiotemporal control</i> Debabrata Goswami (IIT-Kanpur, India)
<u>9:40 – 10:00 am</u>	<i>Stochastic fluctuations in signaling induce anisotropies in cytoskeletal organization to influence cell behavior and spatial patterning in a Drosophila epithelium.</i> M. Narasimha (TIFR, Mumbai, India)
<u>10:00 – 10:20 am</u>	<i>Multiwavelength Circular Dichroism Studies: Probing the Structure and Stability of the Heme Centre in Proteins</i> Shyamalava Mazumdar, TIFR, Mumbai, India
<b><u>10:20 – 10:40 am</u></b>	<b>Tea Break then Fluorescence Spectroscopy –3 @ VMCC 21</b>
<u>10:40 – 11:00 am</u>	<i>Tracer navigation dynamics in heterogeneous media: Hop, stop and jump?</i> Arindam Chowdhury (IIT-Bombay, Mumbai, India)
<u>11:00 – 11:20 am</u>	<i>Peptide based self-assembled nano-particles: Studies with fluorescence spectroscopy and microscopy</i> Aseem Mishra (CSIR-IMMT, Bhubaneswar, India)
<u>11:20 – 11:40 noon</u>	<i>Chemical Chaperones and their role in protein folding</i> Kausik Chakraborty (IGIB-Delhi, India)
<b><u>11:40 –2:00 pm</u></b>	<b>Lunch + Mixer Events</b>
<b>Session</b>	<b>SERS &amp; Raman in Biology – 3 @ VMCC 21</b>
<u>2:00 – 2:30 pm</u>	<i>Raman Spectroscopic Studies on Optically Trapped Cells</i> P. K. Gupta (RRCAT, Indore, India)
<u>2:30– 3:00 pm</u>	<i>Exquisite control of substrate structure and kinetics in multi-substrate, multi-step enzymatic catalysis</i> Mrinalini Puranik (IISER-Pune, India)
<b><u>3:00– 3:20 pm</u></b>	<i>A micro-Raman Spectroscopy Study of Silver Nanoparticle Interaction with human red blood cells (RBCs)</i> Santhosh Chidangil (Manipal Univ., India)
<b><u>3:20 –3:30 pm</u></b>	<b>Tea Break then short oral presentations</b>
<u>3:30 – 3:45 pm</u>	TBA Ashraf P. Muhamed ( Central. Inst. Of Fish. Tech., Cochin, India)
<u>3:45– 4:00 pm</u>	<i>Cell-generated force measurement using fluorescent microscope</i> Basanta Bhaduri (ISM-Dhanbad, India)
<b><u>4:00 -4:30 pm</u></b>	<b>Closing Remarks &amp; Prize Distribution @ VMCC Main Hail</b>