

TITLE OF POSTER PRESENTATIONS

	Authors / Speaker	TITLE
P1	Hariprasad Gururao, Srinivasan A, Vedakumari Y	Electrical conductivity as a tool to detect salt in clinical proteomics samples
P2	Pal Arumay, Chakrabarti Pinak, Hubbard Simon	Coevolution of residues at the interface vis-à-vis the rest of the protein surface in homodimers
P3	Khandelwal Garima, Jayaram B	Energy based signatures of different genomic components
P4	Richa T, Sivaraman Thirunavukkarasu	A heuristic algorithm for reconciling the discrepancies between ΔG_{HX} and ΔG_U of proteins
P5	Khurana Renu, Dongre PM, Nagare BJ	Identification of lead antimalarial agents using pharmacophore modeling and virtual screening
P6	Shandilya Manish, Kapoor Abhijeet, Kundu Suman	Structural insight of human dopamine β -hydroxylase, a drug target for complex traits and functional significance of exonic SNPs
P7	Das Uddipan, Kumar Manoj, Kaur Punit, Srinivasan A, Singh TP, Hariprasad Gururao	Group III phospholipase A2 from the scorpion, <i>Mesobuthus tamulus</i> : targeting and reversible inhibition with native peptides
P8	Ghosh Ambarnil, Chattopadhyay Shiladitya, Mamta Chawla-Sarkar, Nandy Papiya, Nandy Ashesh	Characterization of conserved regions in rotaviral VP7 proteins: a graphical representation approach towards epitope prediction
P9	Sengupta Arjun, Basant A, Rege MM, Sharma S Sonawat HM	Metabonomics of host response to malarial parasite
P10	Prayaga Phani Deep, Sankararamakrishnan R	Existence of a stable structure surrounding the start codon: a comparison between mRNAs having start codons with weak and strong Kozak contact
P11	Singh Poonam, Khan Sajjad, Azhar Asim, Rasheed Q, Naseem Asma, Jairajpuri Md Aman	Serine protease inhibitors: targeting surface cavities for hindering polymerization in serpins
P12	Nagpal Isha, Rao Subba, Gourinath S	In-silico screening of inhibitors against OASS and SAT of <i>Entamoeba histolytica</i> cysteine biosynthetic pathway
P13	Shukla Aditi, Hilgenfeld Rolf	Overlapping accessory genes of coronaviruses

TITLE OF POSTER PRESENTATIONS

	Authors / Speaker	TITLE
P14	Sengupta Arjun , Santhosh S, Sonawat HM, Eapen CE, Kurian G, Chandy GM, Mazumdar S	Metabonomics of sera of patients with Wilson's disease: ¹ H NMR investigation
P15	Dev Aditya , Bhattacharya Sushmita, Dhindwal Sonali, Kumar Pravindra	Structural studies on DAHP synthase from <i>Arabidopsis thaliana</i> : a target for developing herbicide
P16	Selva Kumar P , Gahloth Deepankar, Tomar PP Singh, Sharma Nidhi, Kumar Pravindra, Sharma Ashwani Kumar	Bioinformatics analysis of two distinct miraculin-like proteins from <i>Citrus reticulata</i>
P17	Kar Bibekananda , Patel Girijesh K, Chaudhary Navneet S, Sharma Ashwani Kumar	Characterization, cloning, sequence analysis and modeling of a trypsin inhibitor from <i>Putranjiva roxburghii</i>
P18	Preeti , Dhindwal Sonali, Tomar Shailly	Molecular characterization of catalytically active dimeric ornithine decarboxylase from <i>E. histolytica</i> : a therapeutic target
P19	Karthiga Devi S , Velmurugan D	Molecular modeling and docking studies on coumarins, indanones and thiaindanone derivatives against AChE for alzheimer's disease
P20	Bhattacharya Sushmita , Bhattacharya Anindita, Bhattacharya Sagarika	Structural bioinformatics study of 5-enolpyruvylshikimate- 3-phosphate (EPSP) synthase from <i>Bordetella pertussis</i>
P21	Kumar Sanjay , Kumar Vijay, Hassan Md Imtaiyaz, Singh TP, Yadav Savita	Aggregation behavior of heparin binding proteins from human seminal plasma
P22	Chhikara Nirmal , Kumar Vijay, Hassan Md. Imtaiyaz, Singh Abhay Kumar, Dey Sharmistha, Singh TP, Yadav Savita	Purification and characterization of different molecular forms of PSA and design of specific peptides
P23	Tomar Anil Kumar , Alam Mashkooor, Selladurai Masilamani, Nagpal Saurabh, Saraswat Mayank, Raziuddin M, Mittal Sunita, Singh TP, Yadav Savita	Identification of two novel low abundant proteins in human amniotic fluid

TITLE OF POSTER PRESENTATIONS

	Authors / Speaker	TITLE
P24	Pande Deepti , Negi Reena, Khanna HD	Vascular endothelial growth factor and its correlation with oxidative damage in breast cancer patients
P25	Dhanya Kumar G , Johncy S Smilee, KT Ajay, N PrabhuRaj	Dose response of years of exposure on peak expiratory flow rate in building construction workers
P26	Sengupta Kaushik	Nuclear lamins, laminopathies and biophysical characterization
P27	Negi Reena , Pande Deepti, Khanna HD	Biomarkers of oxidative damage in preterm low birth weight infants
P28	Patra Dhabaleshwar , Srikalaivani R, Misra Ashish, Singh DD, Selvaraj M, Vijayan M	Structural and related studies on lectins and lectin-like molecules from <i>Mycobacterium tuberculosis</i>
P29	Singh Maheshwar , Yadava Umesh, Roychoudhury M	Gas-phase conformational studies on some pyrazolo [3,4-d]pyrimidine derivatives
P30	Jha Ajay , Jain Samarth, Dasgupta Jyotishman	Towards a structure based assay for curcumin binding to proteins
P31	Dasauni Pushpanjali , Singh Nripendra, Kumar Amit, Kundu Suman	Mass-spectrometric and spectroscopic characterization of hemoglobin disorders
P32	Dutta Madhvi , Rudresh, Mishra Aseem, Ramakumar Suryanarayanarao, Ahmed Faizan, Chauhan Virander Singh	Design, synthesis and characterization of dehydrophenylalanine containing peptide as anti-fibrillization agents for possible use against Alzheimer's disease
P33	Kamarthapu Venu , Ahmad Sadeem, Hussain Tanweer, Kruparani Shobha P, Sankaranarayanan Rajan	Structural model for editing defective aminoacyl-tRNA synthetases
P34	Chatterjee Biswanath , Lee Chung-Yu, Lin Chen, Chen Hsin-Liang, Liao Tai-Yan, Hsu Ruei-Lin, Huang Chao-Li, Yang Chien-Chih, Lim Tsong-Shin, Chen Rita PY	Analysis of the amyloid cores generated from full length mouse prion protein and short mouse prion peptide

TITLE OF POSTER PRESENTATIONS

	Authors / Speaker	TITLE
P35	Swati D, Mishra Alok	Nonlinear dynamical study of cardiac rhythm of congestive heart failure cases
P36	Saxena Roopali, Ganguly Sourav, Chattopadhyay Amitabha	Characterization of ligand-stimulated calcium spikes in live cells
P37	Vaish Vivek, Sanyal SN	COX-independent mechanisms of chemoprevention by COX-dependent non steroidal anti inflammatory drugs in the early stage of experimental colorectal cancer
P38	Sanyal SN	Cox-2 as a molecular target of colon cancer chemoprevention: promise and reality
P39	Rana Chandan, Sanyal SN	Chemoprevention by diclofenac, a non-steroidal anti inflammatory drug and curcumin, a natural anti inflammatory agent in early colon carcinogenesis
P40	Piplani Honit, Sanyal SN	Chemopreventive response of dolastatin, a mollusc linear peptide and celecoxib, a cyclooxygenase-2 inhibitor in early stages of colorectal cancer
P41	Saini Manpreet Kaur, Sanyal SN	Chemoprevention of 1, 2- dimethylhydrazine-induced colon cancer by piroxicam, a traditional non-steroidal anti-Inflammatory drug and c-phycoyanin, a blue green algae derived cyclooxygenase-2 inhibitor
P42	Jinka Rajeshwari, Kapoor Renu, Pavuluri Sivapriya, Raj T Avinash, Pande Gopal	Importance of cytoskeleton in gene expression and clonal selection during cellular transformation
P43	Kang Sa-Ouk, Kwak Min-Kyu, Yim Hyung-Soon	Methylglyoxal dehydrogenase 1 regulates cell cycle and apoptosis in <i>Candida albicans</i>
P44	Bhadra Kakali, Kumar Suresh G	Interaction of isoquinoline alkaloids to quadruplex DNA sequence, dAGGG(TTAGGG) ₃ , and comparison to ethidium: spectroscopic and calorimetric approach.
P45	Basu Anirban, Islam Md Maidul, Kumar Suresh G	DNA and RNA binding of 9- ω -amino alkyl ether analogs of the plant alkaloid berberine
P46	Paul Puja, Kumar Suresh G	Sequence-specific interaction of phenothiazine dye thionine with polynucleotides: spectroscopic and thermodynamic studies
P47	Saha Ishita, Hossain M, Kumar Suresh G	Sequence selective binding of phenazinium dyes, phenosafranin and safranin O to guanine-cytosine deoxyribopolynucleotides
P48	Das Abhi, Bhadra Kakali, Kumar Suresh G	Comparative biophysical studies on the interaction of aristololactam- β -D-glucoside and daunomycin with single and double stranded poly(A)

TITLE OF POSTER PRESENTATIONS

	Authors / Speaker	TITLE
P49	Ishida Hisashi	Ribosome dynamics and tRNA movement using electron microscopy density map and molecular dynamics simulations
P50	Akhter Mohd Zahid, Moganty R Rajeswari	Thermodynamic stability and binding of triplex forming oligonucleotides and adriamycin to promoter regions of <i>hmgal</i> : a spectroscopic and calorimetric study
P51	Kombrabail Mamata H, Paul Suman, Rao BJ, Krishnamoorthy G	Mechanism of temperature-sensitive RNA translation revealed by site-specific fluorescence dynamics
P52	Kumari Santosh, Rana JS	DNA binding potential of sanguinarine-an antitumour alkaloid
P53	Tomar Jyoti S, Bansal Saurabh, Chouhan Lata, Nair Maya S, Barthwal Ritu	Binding of berberine to poly (dA-dT) and the promoter sequence d(CCAATTGG) ₂ : experimental and computational evidence
P54	Pradeep TP, Kumar Amit, Nair Maya S, Barthwal Ritu	Spectroscopic studies of interaction of flavonoids, quercetin and rutin, with human telomeric d-(TTAGGGT) ₄ quadruplex DNA
P55	Tripathi Sweta, Pradeep TP, Hassan S Asif, Nair Maya S, Barthwal Ritu	Binding of berberrubine dimer to minor groove of promoter sequence d(CCAATTGG) ₂
P56	Tiwari Rakesh	Ion motions in molecular dynamics simulations on mixed (O) DNA triplexes
P57	Dogra Shilpa, Awasthi Pamita, Awasthi Lalit K and Barthwal Ritu	Comparative study of mitoxantrone and its analogues with C-methylation and C-non-methylation of tetramer DNA sequences by molecular modeling
P58	Pandav Kumud	Chromomycin dimer-DNA oligomer complexes: sequence selectivity and divalent cation specificity
P59	Gupta Surendra Prakash, Pandya Prateek, Kumar Surat	DNA binding studies of <i>Vinca</i> alkaloids as ligands
P60	Nair Maya S, Tomar Jyoti, Barthwal Ritu	Interaction of protoberberine alkaloid with promoter sequence d(CCAATTGG) ₂
P61	Nair Maya S, Bisht Kushuma, Barthwal Ritu	Binding of palmatine, a protoberberine analogue with DNA hexamer d-(CGATCG) ₂ by nuclear magnetic spectroscopy studies
P62	Roy Kapil, Arora Bharti, Kukreti Shrikant	Structural polymorphism exhibited by (AT) _x N ₁₂ (AT) _y oligonucleotide sequences in HS2 of the β -globin LCR

TITLE OF POSTER PRESENTATIONS

	Authors / Speaker	TITLE
P63	Khedkar Vijay , Verma Jitender, Saran Anil, Coutinho Evans	CoRILISA: a novel 3D-QSAR method for comprehending the drug-receptor interactions
P64	Kanyalkar Meena , Srivastava Sudha, Chintakrindi Anand	Structure aided drug design of novel neuraminidase inhibitors in treatment of avian influenza
P65	Gurjar Archana S , Velinkar VS	Design of non-peptide inhibitors of β -Secretase by molecular docking
P66	Singh Tanya , Jayaram B	A robust active site identifier for protein targeted drug design based on fuzzy logic in physico-chemical descriptor space
P67	Lee Joo Yun , Kang Nam Sook, Kang Young Kee	Binding free energies of cytochrome P450 3A4 and its substrates by density functional calculations
P68	Mukherjee Goutam , Jayaram B	A rapid scoring methodology based on physico-chemical descriptors of small molecules in computer aided drug design
P69	Om Prakash , Puri Nidhi, Prasad Rajendra, Ghosh Indira	Identification of substrates and non-substrates of efflux pump from <i>Candida albicans</i> using 3D shape based virtual screening
P70	Kumar Amit , Ghosh Indira	Selectivity and specificity profiling of binding sites of human and plasmodial Ser/Thr kinases
P71	Gorai Biswajit , Kalyanarama Madhuvanathi, Sen Parthosarathi, Singh Jay Prakash, Mittal Megha, Subbarao Naidu, Ghosh Indira	3D-pharmacophore and drug target/chemical database approach towards developing novel antimalarials
P72	Subbarao Naidu , Yennamalli Ragothaman M, Young Paul R, Kobe Bostjan	Identification of dengue envelope protein inhibitors using structure based drug design
P73	Manjunath R	Protocols for shaping the ultrasound for sonophoresis drug delivery
P74	Mohana Priya R , Manila TM, Karthiga Devi S, Velmurugan D	Anti-Tuberculosis drug design: marine natural products
P75	Sadasivan C , Nair Divya G	Off-target interactions of some selected drugs to α -thrombin

TITLE OF POSTER PRESENTATIONS

	Authors / Speaker	TITLE
P76	Sharma Pradeep, Dube Divya, Singh Nagendra, Sinha Mau, Dey Sharmistha, Kaur Punit, Sharma Sujata, Singh TP	Structural basis of recognition of pathogen-associated molecular patterns and inhibition of pro-inflammatory cytokines by peptidoglycan recognition protein-S
P77	Shaw Neil	Structural basis for the inhibition of human MTHFS by N10-substituted folate analogues
P78	Krithika B, Sharma Uma, Kumaran S Senthil, Jagannathan NR	Correlating demyelination lesion volume with T2, apparent diffusion coefficient (ADC) and fractional anisotropy (FA) in an experimental model of MS
P79	Subha B, Kumar Alok, Kulkarni Abhishek, Datta Ankona	Designing a 'turn-on' imaging agent for in vivo detection of manganese
P80	Mhamane Amit LB, Datta Ankona	Designing 'turn-on' optical probes for non-invasive apoptosis imaging in vivo
P81	Datta Ankona, Hooker Jacob M, Garimella Praveena D, Botta Mauro, Francis Matthew B, Raymond Kenneth N	Nano-sized MRI contrast agents based on virus capsid-Gd-hydroxypyridonate bioconjugates
P82	Sah Rani G, Sharma Uma, Parshad R, Jagannathan NR	Therapeutic response of locally advanced breast cancer patients undergoing neo-adjuvant chemotherapy using ¹ H MRS and MRI
P83	Saxena Mohit, Kumaran S Senthil, Goyal Vinay, Narang Vaishna, Behari Madhuri	Functional imaging for motor and speech task in parkinsonism
P84	Ankeeta, Saxena Rohit, Kumaran S Senthil	Distinct neural correlates for perception of 3D and 2D images
P85	Nagayama Kuniaki	3D molecular structures revealed with phase contrast electron cryo-microscopy and cryo-tomography
P86	Chaudhary Kapil, Kumaran S Senthil, Sarat Chandra P, Narang Vaishna, Tripathi Manjiri	Language abnormality in preoperative temporal lobe epilepsy using BOLD imaging

TITLE OF POSTER PRESENTATIONS

	Authors / Speaker	TITLE
P87	Verma Hemlata, Gulati GS, Kumaran S Senthil, Jagannathan NR, Mewar S, Hote MP, Prabhakar P, Seth S, Maulik S, Mohanty S, Ray R, Jagia P, Sharma S, Bhargava B, Airan B	Cardiac magnetic resonance (CMR) in small animal models of heart failure
P88	Dwivedi Durgesh Kumar, Javali Tarun, Kumar Rajeev, Thulkar Sanjay, Sharma Sanjay, Jagannathan NR	Single shot-EPI based DTI in patients with PSA level 4-10 ng/ml
P89	Riquelme Gloria, Vallejos C, De Gregorio N, Berrios M, Morales B	Ionic channels from placental membranes in complicated pregnancies
P90	Ghosh Subhendu, Banerjee Jyotirmoy, Manna Smarajit, Verma Mahendra K, Bhatraju Naveen K, Das Mrinal K	Self organized criticality and fractal characteristics in ion channels: studies on voltage dependent anion channel
P91	Raj Isha, Nagpal Isha, Gourinath S	Two mutations at the C-terminal end of EhSAT could restore EhOASS-EhSAT interaction
P92	Yadav Vikas Kumar, Kumar Vijay, Chhikara Nirmal, Kumar Sanjay, Manral Pallavi, Srinivasan A, Singh Sarman, Singh TP, Yadav Savita	Biochemical and biophysical characterization of a native multiprotein complex from human seminal plasma
P93	Dubey Kshatresh Dutta, Ojha Rajendra P	The Implementation of QM-MM interaction in binding free energy calculations
P94	Chaubey Amit Kumar, Ojha Rajendra P	Stability and free energy calculation of LNA modified human Tel-24 quadruplex structure : a molecular dynamics study

TITLE OF POSTER PRESENTATIONS

	Authors / Speaker	TITLE
P95	Halder Sukanya, Bhattacharyya Dhananjay	Structural stability of noncanonical basepairs within RNA double helices: a molecular dynamics study
P96	Nayeem Shahid Mohd, Deep Shashank	TGF- β III stability and aggregation: MD simulation analysis
P97	Agnihotri Neha, Mishra PC	Base excision-repair mechanism of DNA by enzyme MutY: a quantum computational study
P98	Manjunath R	Long range dependency of nucleic acid sequence in genes
P99	Ramakrishnan C, Subramanian V, Velmurugan D	Molecular dynamics study of secretory phospholipase A ₂ of Russell's Viper and bovine pancreatic sources
P100	Roy Sutapa Mondal, Sarkar Munna	Interaction of oxicam NSAIDs with membranes: effect of head group size and chain length
P101	Khurana Monika	X-Ray reflectivity and calorimetric studies of lipid membranes
P102	Maiti Tushar Kanti, Yamada Keisuke, Inoue Keiichi, Kandori Hideki	The L105K mutant of proteorhodopsin
P103	Kulkarni Heramb Madhav, Jagannadham MV	Investigation of structures of phospholipids from an antarctic bacterium <i>Pseudomonas syringae</i> Lz4W by positive ion MALDI-TOF/TOF
P104	Patel Jignesh, Chacko Sajeew, Ghosh Indira	Lipid dynamics and its interaction with F1Fo ATP Synthase
P105	Kato Mikio, Abbas Eman M, Pathirana Erandi, Takayanagi Atsushi, Takemon Yasuhiro, Tanida Kazumi, Shimizu Nobuyoshi	Isolation of short tandem repeats (STRs) from the genome of mayfly <i>Rhithrogena japonica</i>
P106	Manjunath R	Hierarchical modeling of memory
P107	Pradhan Subhra, Baidya Amit Kumar, Ghosh Amalendu, Paul Kalidas, Chowdhury Rukhsana	Competitive exclusion of a bacterial pathogen: The case of <i>Vibrio cholerae</i> El Tor biotype versus classical biotype.
P108	Kulkarni Ashok Kumar, Ojha Rajendra Prasad	Reduction in permeability of fenestrated endothelium in joints: NMR and molecular dynamics studies of a competitive blocker
P109	Nagao Takashi, A Kishigami	Neurochemical analysis of the mechanism controlling development of instinctive behavior in male crickets
P110	Bagga Puneet, Varadarajan KS, Rohith TV, Patel Anant B	A novel strategy for studying neuronal and astroglial metabolism simultaneously

TITLE OF POSTER PRESENTATIONS

	Authors / Speaker	TITLE
P111	Shameem Mohammad, Patel Anant B	Regional cerebral metabolism in nicotine addiction in mouse model
P112	Tiwari Vivek, Susmitha AL, Varadarajan KS, Patel Anant B	Glutamatergic and GABAergic neurotransmission in mouse brain
P113	Bagga Puneet, Patel Anant B	Cerebral energetics in Parkinson's disease using NMR spectroscopy
P114	Patel Anant B	Acetate: a novel substrate for exploring energy metabolism in cerebral disorders
P115	Mitra Shiladitya, Tiwari Vivek, Kumar Arvind, Patel Anant B, Kumar Satish	Functional Analysis of Wdr13 Knock-out Mice Brain
P116	Shameem Mohammad, Patel Anant B	Investigations of excitatory and inhibitory neurotransmission in mice brain under the influence of nicotine
P117	Tiwari Vivek, Varadarajan KS, Patel Anant B	Investigation of brain energy metabolism in Alzheimer's Disease
P118	Tiwari Vivek, Vaidyanathan S, Patel Anant B	Investigations of cerebral metabolism in alcohol addiction
P119	Manjunath R	Effective and optimal modeling of cancer therapies
P120	Chakrabarti Abhijit, Chakrabarti Madhumita, Banerjee Subrata, Mukhopadhyay Chaitali	DNA binding domain of RFX5 : Structure, Function & Interactions
P121	Rehman Arif Abdul S, Kashav Tara, Nitharwal Ramgopal, Dhar Suman K, Gourinath S	Structural studies of DNA replication initiation complex proteins primase and helicase from <i>Helicobacter pylori</i>
P122	Dey Sucharita, Pal Arumay, Guharoy Mainak, Chakrabarti Pinak	Clustering of conserved residues and propensities in the identification of protein-DNA interfaces
P123	Lee Inhwan, Ko Sungeon, Cho Hyun-Soo, Chung In Kwon, Kim Woo Taek Lee Weontae	Structural studies on substrate specificity of telomere binding proteins
P124	Kumar Sushant, Rehman Arif Abdul S, Gourinath S	Role of linker region in hexamerization of DnaB Replicative Helicase in Eubacteria

TITLE OF POSTER PRESENTATIONS

	Authors / Speaker	TITLE
P125	Lee Jin-Won , Kim Jung-Hoon, Ji Chang-Jun	Functional Analyses of Fur-family proteins from <i>Bacillus licheniformis</i>
P126	Sunilkumar PN , Maeno Akihiro, Wada Yuji, Tate Shin-Ichi Akasaka Kazuyuki	Effect of loop mutation on the dynamics of E.coli DHFR – A variable pressure NMR study
P127	Kushwaha Gajraj S , Pandey Nisha, Sinha Mau, Bhushan Asha, Srinivasan A, Kaur Punit, Sharma Sujata, Singh TP	Structural studies of ribosome inactivating protein (RIP-I) and design of its inhibitor
P128	Bhatt Anant Narayan , Verma Amit, Arya Mohan B, Raj Hanumantharao G, Parmar Virinder S, Arya Anu, Dhawan Ashish, Prasad Ashok, Dwarakanath BS	Biophysical studies on the interaction of polyphenolic acetates with DNA and protein
P129	Maulik Aditi , Sarkar Asif Iquebal, Devi Suneeta, Basu Soumalee	Domain architecture and gene structure of PGIPs – a repeat protein in plant defense
P130	Kannan Sumithra , Caffarri Stefano, Croce Roberta	Role of PsbS subunit in non-photochemical quenching of photosystem II
P131	Jagtap Sagar S , Dhumal KN, Vidyasagar Pandit B	Retention of effects of long term exposure of rice seeds to clinorotation
P132	Kumar Amit , Chhabra Varun, Kundu Suman	Multiple strategies of ligand binding regulation in hemoglobins: Novel arrangement of Lupin leghemoglobin heme pocket
P133	Mathur Punithi , Gupta Madhvi, Jagannathan NR, Chauhan VS	Role of two and three amino acid residue spacers in α , β -didehydrophenylalanine containing undecapeptides
P134	Lyu Ping Chiang , Stephen Preyesh, Tseng Kai-Li, Liu Yu-Nan	Engineering starch binding domain protein (SBD) by circular permutation
P135	Uppal Sheetal , Kundu Suman	Contribution of heme and His117 in the stability of unique cyanobacterium hemoglobin

TITLE OF POSTER PRESENTATIONS

	Authors / Speaker	TITLE
P136	Kumar Virender , Ahmad Shoeb, Rao N Madhusudhana	Engineering a lipase for proteolytic resistance
P137	Susmitha AL , Sharma Yogendra, Chary KVR	Protein engineering and structural characterization of M- crystallin (2-mer)
P138	Jain Manish kumar , Yadav Saurabh, Bhat Rajiv	Calcium induced conformational and morphological changes in human α -Synuclein associated with Parkinson's disease
P139	Shivu Bhavana	Identification of proteinase K resistant core of human calcitonin amyloid
P140	Ullah Shah Ubaid , Batra Janendra K, Ahmad Faizan	Role of extra N-terminal residues in the stability and folding of yeast iso-1-cytochrome c
P141	Karmakar Srabani , Das KP	Stabilization of oligomeric structure of α -crystallin by Zn^{2+} through intersubunit bridging
P142	Sarkar Saswata S , Udgaonkar Jayant B, Krishnamoorthy G	Towards unambiguous estimation of intramolecular distance distribution in proteins: 5-fluorotryptophan as the energy donor in FRET
P143	Srivastava Abhishek S , Dwivedi Nidhi, Samanta Uttamkumar, Sau Apurba Kumar	Role of a disulphide bond and SSEHA motif in <i>Helicobacter pylori</i> arginase
P144	Majeed Abdul , Francis Vincent Gerard, A Gopalakrishna, Gummadi Sathyanarayana N	Ca^{2+} binding in transmembrane deleted mutant of human phospholipid scramblase 1: A spectroscopic study
P145	Francis Vincent Gerard , Majeed Abdul, A Gopalakrishna, Gummadi Sathyanarayana N	Over expression, purification and biochemical characterization of Ca^{2+} binding properties of human phospholipid scramblase 1
P146	Khan Sheeza , Rahman Safikur, Dar Tanveer Ali, Singh Laishram R, Ahmad Faizan	Destabilizing effect of glycine is protein specific
P147	Joshi Prachi , Chakraborti Soumyananda, Chakrabarti Pinak, Ansari ZA, Shanker Virendra, Singh Surinder P	Effect on structure and stability of bovine serum albumin on conjugation to gold nanoparticles and gold nanorods
P148	Yutani Katushide , Matsuura Yoshinori, Takehira Michiyo, Ota Motonori, Tanaka Tomoyuki, Ogasahara Kyoko, Kunishima Naoki	Does hydrophobic interaction due to hydration contribute to protein stability even over 100 °C?
P149	Venkatesu P	The influence of osmolytes and denaturants on the structure and enzyme activity of α -chymotrypsin

TITLE OF POSTER PRESENTATIONS

	Authors / Speaker	TITLE
P150	Rout Manoj Kumar, Reddy Jithender G, Phillips Margaret, Hosur Ramakrishna V	Explicit residue level NMR elucidation of mutation induced alterations in the structural transitions on the folding landscape of HIV-1 protease
P151	Sultan Abdullah, Raman Bakthisaran, Rao Ch. Mohan, Ramakrishna Tangirala	Understanding the molecular mechanism of prevention of amyloid and amorphous aggregation by the individual chains of extracellular chaperone clusterin: Implications in amyloid diseases
P152	Naseem Asma, Khan Sajjad, Azhar M Asim, Rashid Qudsia, Singh Poonam, Jairajpuri MA	Understanding the effectiveness of chemical chaperones to study Serpin polymerization mechanism
P153	Sharma Priyanka, Awasthi Pamita	Synthesis of juvenile hormone analogues designed feature based upon docking study
P154	Komath Sneha Sudha, Ashraf Mohammad, Sreejith, Yadav Bhawna, Muthuswami Rohini	A novel de-N-acetylase from <i>Entamoeba histolytica</i> : Metal-stimulated but not metal-dependent PIG-L activity
P155	Kundu Suman	The diverse mechanism of regulation of ligand binding in traditional and new hemoglobins support novel functions
P156	Maiti Nakul Chandra	Characterization of hydroxyl-hydrogen bond in enzyme/substrate complexes via deuterium isotope effect on chemical shift
P157	Ravi Joriga, Bitra Aruna, Anand Ruchi	Structure based activity prediction for an enzyme of unknown function
P158	Sharma Vinay Kumar, Kumar Vijay, Singh Abhay Kumar, Dey Sharmistha, Singh TP, Yadav Savita	Heparin binding proteins: Kinetic studies using surface plasma resonance
P159	Sakashita Hirofumi, Miura Yoshinori	Thermal melting of triple helices and hydrogen bonding in collagen model peptides (Pro-Pro-Gly) ₅ , (Pro-Pro-Gly) ₁₀ , (Pro-Hyp-Gly) ₅ and (Pro-Hyp-Gly) ₁₀
P160	Miura Yoshinori, Sakashita Hirofumi	Conformation change in a small peptide melittin in methanol-water mixed solvents
P161	Pal Biswajit	Allosteric regulation in soluble Guanylate cyclase
P162	Chaudhuri Arunima, Chattopadhyay Amitabha	Organization and dynamics of the molten globule conformation of bovine α -lactalbumin in soluble and membrane-bound conditions
P163	Khan Asma Yasmeen, Hossain Maidul, Kumar Suresh G	Interaction of the anticancer alkaloid sanguinarine with human serum albumin

TITLE OF POSTER PRESENTATIONS

	Authors / Speaker	TITLE
P164	Chakraborti Soumyananda, Joshi Prachi, Chakraborti Pinak	Structure and activity of bovine serum albumin on binding to zinc oxide quantum dots
P165	Chakravarty Devlina, Chakraborti Pinak, Basu Gautam, Guharoy Mainak, Robert Charles and Janin Joël	An analysis of the structural changes during protein-protein interaction
P166	Verma Ravi Kumar, Jain Alok, Sankararamakrishnan R	Possible regulatory role for a salt-bridge interaction in the transport activity of aquaporin channels: MD simulation of a mutant aquaporin
P167	Hussain Tanweer, Kamarthapu Venu, Ahmad Sadeem, Kruparani Shobha P, Sankaranarayanan Rajan	Mechanistic insights into cognate substrate discrimination during proofreading in translation
P168	Modi Vivek, Lama Dilraj and Sankararamakrishnan R	Differences in binding affinities of pro-apoptotic BH3 peptides for the anti-apoptotic Mcl-1 protein: MD simulations of six Mcl-1 complex structures
P169	Rather Gulam Mohd, Sharma Anurag, Gupta Munishwar Nath	Proteins subjected to three phase partitioning (TPP) have conformations different from native, denatured and molten globule forms
P170	Chatterjee Tanaya, Pal Aritrika, Chakraborti Pinak	Structural insights into Protein-L-isoaspartyl methyltransferase (PIMT) from <i>Vibrio cholerae</i>
P171	Sau Apurba K, Abdullah Nazish, Srinivasan Bharani, Balakumari Meena	Role of a connecting region in dimerization and regulation of GTPase activity in human gunanylate binding proteins
P172	Kumar Sudhir, Gourinath S	Regulation of the cysteine biosynthesis in light of crystal structure of <i>Entamoeba histolytica</i> serine acetyltransferase 1
P173	Mishra Pushpa, Das Sudipta, Chakraborty Swagata, Parnikar Lata, Hosur MV, Sharma Shobna, Hosur RV	NMR structural insight into P2 of <i>Plasmodium falciparum</i>
P174	Krishnamoorthy G	Is protein dynamics linked to solvent dynamics?
P175	Raghunathan Preethi, Ponnuraj Karthe	Cloning, expression, purification and bioinformatic analysis of a novel fibrinogen receptor FbsA of Group B Streptococcus

TITLE OF POSTER PRESENTATIONS

	Authors / Speaker	TITLE
P176	Selvaraj M, Ahmad Rais, Varshney Umesh, Vijayan M	Plasticity and hydration of <i>Mycobacterium tuberculosis</i> peptidyl-tRNA hydrolase
P177	Awasthi Mayanka, Batra Jyoti, Kateriya Suneel	Molecular characterization of phospholipase C from <i>Chlamydomonas reinhardtii</i>
P178	Kumar Prasan, Bansal Manju	ASSIGN-A program for assigning regular secondary structure in the protein
P179	Chandra Thyageshwar, Sharma Alok, Vijayan M	Structural studies on bitter gourd lectin
P180	Kumar Nitesh, Gourinath S	Three dimensional structure of coactosin from <i>Entamoeba histolytica</i> at 1.4Å resolution
P181	Dhingra Priyanka, Lakhani Bharat, Jayaram B	Bhageerath 2.0: an energy based web-enabled computer software suite for predicting the tertiary structures of soluble proteins
P182	Yadava Umesh, Roychoudhury M, Gupta Hariom	A comparison of crystallographic versus DFT optimized geometry on two taxane diterpenoids and docking study with phospholipase A2
P183	Kumar Sanjeev, Kumar Shivesh, Ahmad Ejaz, Mansuri M Shahid, Zaidi Rana, Khan Rizwan Hasan, Gourinath S	Calcium binding protein-1 of <i>Entamoeba histolytica</i> : a dual regulator
P184	Byun Byung Jin, Kang Young Kee	Higher gas-phase acidity of selenocysteine is responsible for its lower pK _a value than cysteine
P185	Tarique Khaja Faisal, Gourinath S	Structural and functional characterization of sulphate activation pathway proteins of <i>Entamoeba histolytica</i>
P186	Chandran Anu V, Prabu J Rajan, Manjunath GP, Patil K Neelakanteshwar, Muniyappa K, Vijayan M	Structure of the C-domain of <i>Mycobacterium tuberculosis</i> LexA
P187	Revathi N, Ramya S, Ponnuraj Karthe	Expression and purification of a multifunctional surface lipoprotein HcpA of <i>Borrelia sp.</i>
P188	Ghosh Indira, Chacko Sajeew, Patel Jignesh	Protein membrane interactions through molecular dynamics: F1F0 ATP- A case study

TITLE OF POSTER PRESENTATIONS

	Authors / Speaker	TITLE
P189	Haque S Asfarul , Chhabra Arush, Pal Ravi Kant, Goyal Aneesh, Gokhale Rajesh S, Sankaranarayanan Rajan	Crystal structure and analysis of reductase domain of non-ribosomal peptide synthetase from mycobacterial species
P190	Sengupta Dhriti , Kundu Sudip	Role of different amino acid residues subnetworks in protein's structural organization
P191	Chou Shan-Ho , Chin Ko-Hsin, Lee Yen-Chung, Wang Andrew HJ	The c-AMP receptor-like protein CLP is a novel c-di-GMP receptor linking cell-cell signaling to virulence gene expression in <i>Xanthomonas campestris</i>
P192	Patel Sunita , Rout AK, Chary KVR	Y81F mutation of <i>EhCaBP1</i> enhance structural stability of Ca ²⁺ binding loop essential for high affinity Ca ²⁺ binding
P193	Pandey Nisha , Singh Amit K, Sinha Mau, Kaur Punit, Sharma Sujata, Singh TP	First structural evidence for the order of preference of inorganic substrates by lactoperoxidase: Crystal structure of lactoperoxidase with four linearly held substrate ions, I ⁻ , SCN ⁻ , Cl ⁻ and Br ⁻ in the substrate binding channel
P194	Kumar Pramod , Patil Dipak N, Chaudhary Anshul, Kumar Pravindra, Tomar Shailly	Purification and biophysical characterization of HAG, a 11s hexameric globulin from Kutaj (<i>Holarrhena antidysenterica</i>) seeds possessing hemagglutination and trypsin inhibitory activity
P195	Kumar Pravindra , Patil Dipak N, Datta Manali, Sharma Ashwani Kumar, Tomar Shailly	Crystal structure of a novel 34 kDa protein from tamarind seeds
P196	Kumar Pravindra , Sonali Dhindwal, Deepak N Patil, Sakshi Tomar	PCB degradation using <i>bph</i> pathway: structural studies on biphenyl dioxygenase and dehydrogenase
P197	Pratap Shivendra , Gupta Kapil Kumar, Tomar Shailly, Kumar Pravindra	Biochemical and biophysical characterization of bifunctional 3-deoxy-D-arabino-heptulosonate 7-phosphate synthase with chorismate mutase activity from <i>Bacillus subtilis</i>
P198	Sharma Ashwani Kumar , Gahloth Deepankar, Selvakumar P, Shee Chandan, Kumar Pravindra	Biochemical and structural characterization of a miraculin-like protein from <i>Murraya koenigii</i> seeds
P199	Tomar Prabhat Pratap Singh , Selvakumar P, Sharma Ashwani Kumar	Partial characterization of a 12 kDa protein having endonuclease activity from <i>Citrus maxima</i>
P200	Aggarwal Megha , Tomar Shailly	Discovery of Alphavirus specific drugs: structural and molecular characterization of Alphavirus capsid protein

TITLE OF POSTER PRESENTATIONS

	Authors / Speaker	TITLE
P201	Patel Girijesh Kumar, Kar Bibekananda, Sharma Ashwani Kumar	Biochemical and biophysical characterization of glycosyl hydrolase family 1 protein from <i>Putranjiva roxburghii</i>
P202	Naik Mandar T, Kung Camy C-H, Naik Nandita M, Kuo I-Chun, Chua Kaw-Yan, Huang Tai-Huang	Structural biology perspective of the mighty allergens from dust mites
P203	Narwal Manju, Tomar Shailly	Studies of <i>Sindbis</i> virus replicase protein nsP1
P204	Sunilkumar PN, Maeno Akihiro, Oda Masayuki, Morii Hisayuki, Akasaka Kazuyuki	Role of cavity on the internal fluctuations as well as the overall and local stability of c-Myb R2 sub-domain
P205	Tanwar Ajay Singh, Anand Ruchi	Structural and biochemical studies of channeling of unstable intermediates in biological pathways
P206	Divya Dube, Kumar Sanjit, Singh Nagendra, Mishra Biswajit, Sinha Mau, Singh S Baskar, Dey Sharmistha, Kaur Punit, Sharma Sujata, Singh TP	Modulation of inhibitory activity of xylanase - α -amylase inhibitor protein (XAIP): binding studies and crystal structure determination of XAIP- II from <i>Scadoxus multiflorus</i> at 1.2 Å resolution
P207	Pandita Esha, Rani Anjana, Quidwai Tooba, Sau Apurba Kumar	Understanding the temperature regulation of GDP formation and the presence of a conserved motif in the dimeric interface of human guanylate binding protein-1
P208	Haridas M, Joseph Abhilash	Crystal structure of a galactose-specific lectin from seeds of <i>Butea monosperma</i>
P209	Haridas M, K Geethanandan	Crystal structure of a galactose-specific lectin from endosperm of <i>Spatholobus parviflorus</i>
P210	Chacko Sajeev, Ghosh Indira	Quantum chemical studies of proton transfer in F1F0 ATP
P211	Kato Mikio, Walter Meissl, Kenji Umezawa, Tokihiko Ikeda, Yasunori Yamasaki, Masakazu Furuta, Tatsuo Atsumi	Real-time monitoring of <i>Escherichia coli</i> cells irradiated using a 2 MeV proton beam
P212	Sharma Vishawjyoti, Pathak Ashima, Kumar Sanjeev, Dhawan DK	Effect of zinc supplementation on the biokinetics of ^{65}Zn in Alloxan induced diabetic rats

TITLE OF POSTER PRESENTATIONS

	Authors / Speaker	TITLE
P213	Kulkarni Satish G, Vidyasagar PB	Alterations in molecular and kinetic characteristics of gamma irradiated alpha amylase pre-exposed to ultrasound
P214	Dasgupta Jyotishman, Frontiera Renee R, Martin Shelley S, Lagarias J Clark, Mathies Richard A	Secrets of phytochrome photosignaling temporally resolved
P215	Agrawal Vasudha, Kulothungan S Rajendra, Saranya SR, MM Balamurli, Varadrajan Raghavan, Koti ASR	Ligand mediated modification in the mechanical unfolding pathway of MBP: Kinetic partitioning in action
P216	Venkatraman R, Koti ASR	Influence of calcium binding on the mechanical stability of M-Crystallin
P217	Krishnamoorthy Ganesan, Sehgal Praveen Kumar, Sadulla Sayeed, Mandal Asit Baran	Studies on collagen-tannic acid-collagenase ternary system: Inhibition of collagenase against collagenolytic degradation of extracellular matrix component of collagen
P218	Saini Komal, Deep Shashank	Precision of extracted thermodynamic parameters from a thermal denaturation profile of a protein obtained by fluorescence spectroscopy
P219	Shilvant Deepak V, Kulkarni SG, Tamane CJ, Kondekar SN, Shaikh Aynoor, Shivbhakt VV, Hure SC	Autoradiograph technique developed for Gamma Chamber symmetry check
P220	Bidhuri Priyanka, Ali Anwar	Volumetric study of di-peptide (glycylglycine) in aqueous D (+) -Glucose at 298.15 K
P221	Kumari Sharda, Singh Sunil K, Nayak Manasa K, Dash Debabrata	Size distribution analysis and physical / fluorescence characterization of graphene oxide sheets by flow cytometry
P222	Reddy Jithender G, Kumar Dinesh, Hosur RV	Novel NMR experiments -h _n COc _a NH and h _n c _o CANH- for rapid and unambiguous backbone assignment in (¹⁵ N/ ¹³ C) labeled proteins
P223	Bramhe Nivedita, Dongre PM, Huilgol Nagraj G, Joseph Lebana, Pai Neela	A study on oxidative stress in head & neck cancer patients underwent radiotherapy and surgery treatment
P224	Jessy M John, Dongre PM, Sivakami S, Kothari DC	A spectroscopic approach to study the structural modifications in BSA induced by silver nanoparticles

TITLE OF POSTER PRESENTATIONS

	Authors / Speaker	TITLE
P225	Irmale Ajay Raghunath, Kulkarni SG	Meditation induced changes in EEG & HRV patterns
P226	Shimma Shuichi, Satoh Takaya, Toyoda Michisato	Structural analysis of biomolecules using a novel tandem time-of-flight mass spectrometer with a spiral ion trajectory “MALDI Spiral TOF-TOF”
P227	Kale Ravindra Sonajirao, Kulkarni SG	Efficacy of heart rate variability evaluation based on simultaneous recording of ECG and finger plethysmogram
P228	Khade Bipin Sahadeorao, Kulkarni SG	Heart rate variability patterns in diabetic patients relative to age, sex and insulin dosage
P229	Deshmukh Prashant Vasant, Kulkarni SG	Altered patterns of heart rate variability after exercises