

## Technical Session Schedule

Session Title :	Image Processing			Venue	Dr. Ambedkar Auditorium, Technology Tower Ground Floor
Session	Oral Presentation	Date	29-08-2017	Time	16:00 – 18:30
Session Chair 1	<b>Dr. Sundramurthy Kumar, LKCMedicine, Nanyang Technological University, Singapore</b>				
Session Chair 2	<b>Dr. Arabinda Kumar Rath</b> , Chairman & Managing Director, Hemalata Hospitals & Research Centre, Bhubaneswar				
Session In-Charge	<b>Dr. Kavitha Thirumurugan</b> , SBST, VIT University				

S. No.	Paper ID	Author (s)	Paper Title
1	EC-001	Indragandhi V, Subramaniaswamy V and Logesh R	Efficient analysis of user reviews and community contributed photos for reputation generation
2	EC-004	Megana Santhoshi and Mythili Thirugnanam	An Automated Framework for Prediction of Falls in Cardiomyopathy People
3	EC-005	Joy Sebastian Prakash and Karunanithi Rajamanickam	Synthesis, Characterization and MRI Properties of Cysteamine Stabilized Cadmium Zinc Selenide (Cd(Zn)Se) Quantum Dots for Cancer Imaging
4	EC-006	Muthukamalam Santhakumar and Sudha Rani Sadras	Antiproliferative activity of yellow pigment from a soil bacterium and identification of the major bioactive metabolite
5	EC-007	Joy Sebastian Prakash, Karunanithi Rajamanickam, Arunnath Rm	Fiber-Tract Integrity Measures at Regions Associated with Default Mode Network (DMN) in Alzheimer's Disease
6	EC-008	Dr. Subbarayalu Alagendran, Dr. Govindaraj Archunan and Dr. Anusha Bhaskar	Olfactory identification as a potential marker of Alzheimer's disease
7	EC-009	Ayyasamy Rathinam, Leelavinothan Pari And Govindaraju Archunan	Beneficial Effect Of Myrtenal On Oxidative Stress And Inflammation In Experimental Diabetic Rats
8	EC-010	Tamil Suriya, Mohamed Asik R, Padmanabhan P, Sivakumar M and Archunan G	Studies on antimicrobial activity and "in vitro" cytotoxicity of L-Histidine based Ag nanoparticles
9	EC-033	Niraj R Mungale, Priyabrat Sahoo and Sudha Ramasamy	A Reading Assist System for Visually Impaired People using Raspberry Pi

## Technical Session Schedule

Session Title :	Molecular Imaging			Venue	Kamaraj Auditorium, Tecchnology Tower, 7th Floor
Session	Oral Presentation	Date	29-08-2017	Time	16:00 – 18:30
Session Chair 1	Dr. Rao Tatavarti, Director and Senior Professor, GVP-SIRC, Visakhapatnam				
Session Chair 2	Dr. T. R. Santhosh Kumar,Scientist, RGCB, Trivandrum				
Session In-Charge	Dr. Senthilnathan, SAS, VIT University				

S. No.	Paper ID	Author (s)	Paper Title
1	EC-011	Vijayaragavan V and Sujatha Narayanan Unni	Non-invasive quantitative tissue biopsy using precise optical phantoms
2	EC-012	Ifthisam Banu M, Kavipriya A, Priyanga K, Sujithra N and Dr. Ashok Kumar L	A Survey on Rehabilitation Devices for Paralyzed Patients
3	EC-013	A Lenin Fred, S.N Kumar, Ajay Kumar H, Ashy V Daniel and P Sebastin Varghese	BAT Optimization Based Vector Quantization Algorithm for Compression of Medical Images
4	EC-015	Ponnuraj Kirthi Priya and M. Ramasubba Reddy	Study of Polymorphic Ventricular Tachycardia in a 2D Cardiac Transmural Tissue
5	EC-016	Ria George and Ashok Kumar L	Review on Potential Applications of Nanosensors in Defense and Military Sector
6	EC-035	Navamani Bhaskaran	Cloud-Assisted Blood Donor Application with Enhanced Privacy and Communication
7	NEC-003	G. Archunan and G. Saibaba	Salivary biomolecules as indicator for ovulation prediction in human
8	NEC-005	Dr.S.Umamaheswari	Chemical and Biological Investigation for Anticancer Activity of MeOH extract from <i>Didemnum vexillum</i>
9	NEC-017	Premalatha, P and Saravanan, K	Molecular Docking Of Quercetin From Helianthus Annuus With Human Estrogen Receptor (PDB ID: 2IOK).

## Technical Session Schedule

Session Title :	Imaging and Molecular Biology			Venue	CS Hall, Behind Anna Auditorium
Day/Session	Poster Presentation	Date	29-08-2017	Time	12:30 – 15:00
Session Chair 1	Dr. Parasuram Padmanabhan, Deputy Director, LKC-Medicine, NTU, Singapore.				
Session Chair 2	Dr. R. S. Jayasree, Sree Chitra Tirunal Institute for Medical Sciences & Technology, Trivandrum, Kerala				
Session In-Charge	Dr.Ramesh Babu. P, SAS, VIT University, Vellore				

S. No.	Paper ID	Author (s)	Paper Title
1	EC-014	Srikrupa Natarajan N., Mathavan Sinnakaruppan, Parveen Sen, Meenakshi Swaminathan, Muna Bende, Arokiasamy Tharigopala And Nagasamy Soumittra	Molecular Diagnostics Of Leber Congenital Amaurosis In An Indian Cohort - High Throughput Genotyping And Phenotyping By Fundus Imaging
2	EC-017	Mohamed Asik Rajmohamed, Gowdhami Balakrishnan, Archunan Govindaraju And Suganthy Natarajan	Extracellular Synthesis Of Zinc Oxide Nanoparticles Using Marine Red Algae Gracilaria Edulis And Assessment Of Its Anticancer Potential Against Cervical Cancer
3	EC-030	Anantha Nayaki Rengarajan, Saibaba Ganesh And Archunan Govindaraju	Role Of Clustered Regularly Interspaced Short Palindromic Repeats Caspase 9 Crispr Cas9) Mechanism In The Cancer Research
4	EC-034	Vimala Devi M R and Kalaivani S	Feature Extraction Based Hyperspectral Unmixing
5	NEC-001	C. Elanchezhian* And G. Chandirasegaran	Efficacy Of <i>Helicteres Isora</i> Fruits On Inflammation And Apoptosis In Streptozotocin Induced Diabetic Rats
6	NEC-002	Gunasekaran.G and S.Balasubramanian	Anti-Cancer Activity Of Skin Mucus From <i>Mugil Cephalus</i>
7	NEC-004	D. Nagarajan and T. Ramesh kumar	Hematological Study On Zebra Fish <i>Danio Rerio</i>
8	NEC-011	Umarani B And Saravanan, K	In Silico Molecular Docking Of Kaempferol With Cancer Target, Human Estrogen Receptor (2iok)
9	NEC-016	J. Dheeba, I. Jacob Raglend, J.Belwin Edward, N. Albert Singh	A Bio-Inspired Learning Framework for Mass Detection in Mammograms

## Technical Session Schedule

Session Title :	Image Processing			Venue	Dr. Ambedkar Auditorium, Technology Tower Ground Floor
Session	Oral Presentation	Date	30-08-2017	Time	16:00 – 18:00
Session Chair 1	<b>Prof. Hiroshi UEDA</b> , Laboratory for Chemistry and Life Science, Institute of Innovative Research, Tokyo Institute of Technology, Japan.				
Session Chair 2	<b>Prof. A. Lenin Fred</b> , Principal, Mar Eprahem College of Engg, Marthandam				
Session In-Charge	<b>Dr. Mohanasrinivasan, SBST, VIT</b>				

S. No.	Paper ID	Author (s)	Paper Title
1	EC-018	Shravan Krishnan, Ravi Akash, Dilip Kumar, Rishab Jain, Karthik Murali Madhavan Rathai And Shantanu Patil	Finger Movement Pattern Recognition From Surface EMG Signals Using Machine Learning Algorithms
2	EC-019	Beena Koshy, Hannah Thomas, Chitra Devarajan, Anna Varghese, Rachel Beulah And Sunithi Mani	Parcellation Analysis Of Language Areas Of The Brain And Its Clinical Association In Children With Autism Spectrum Disorder
3	EC-020	Maharaja S, Lashmi Prabha S And Priyadharshini R	Anticancer Activity Of Andrographis Paniculata In Hepg2
4	EC-021	Saritha Saladi And Amutha Prabha N	Tumor Segmentation Using Hybrid Algorithms On MRI Brain Images
5	EC-022	S Siva Kumar, Minu Boban, Venkatesan, Dr.Jomon, Dr.Mathew, Dr.R.Murali And Dr.N.Arunai Nambi Raj	A Step To In-Vivo Dosimetry Using Electronic Portal Imaging Device: Initial Experience
6	EC-025	Mavis Gezimati, Munnyradzi Charles Rushambwa And J. B Jeeva	Tumor Detection And Classification Of MRI Brain Images Using Morphological Operations
7	EC-036	Maryjo M George and Kalaivani S	A View on Atlas Based Neonatal Brain MRI Segmentation
8	EC-037	Alex Noel Joseph Raj, Arunachalam V and Satyajit Giri	Development of an Unique Tremor Analysis Algorithm for Microsoft Kinect for early diagnosis of Alzheimer's Patients
9	EC-038	Sharmila Ashok and Mahalakshmi Pachaivappan	Detection of Epileptic Seizures based on Entropies

## Technical Session Schedule

Session Title :	Molecular Imaging			Venue	Kamaraj Auditorium, Tecchnology Tower, 7th Floor
Session	Oral Presentation	Date	30-08-2017	Time	16:00 – 18:00
Session Chair 1	Dr. Ramasamy Paulmurugan, Stanford University,USA				
Session Chair 2	Prof. Archunan Professor & Head, Dept. of Animal Science Bharathidasan University, Tiruchirapalli, India				
Session In-Charge	Dr. K.Ramanathan,CBCMT, VIT				

S. No.	Paper ID	Author (s)	Paper Title
1	EC-024	Indu, Vijayalakshmi And Rajalakshmi	In Silico And In Vitro Approaches To Design New Inhibitors Targeting The DNA Of Staphylococcus Aureus
2	EC-026	Ludas, Anita Roy, Mary Selesty Sales And Rajalakshmi	A Study On Anticancer And Chemo preventive Effect Of Octyl Gallate And Gallic Acid Isolated From Terminalia Bellirica Against Breast Cancer
3	EC-027	Chithra J S And Asha Nair	Progesterone Actions In Endometrial Cancer Cells Are Modulated By Mta1
4	EC-028	Aviral Kumar, Reetoja Nag, Satyakam Mishra, Bandaru Ramakrishna, V V Raghavendra Sai And Debasish Mishra	Probable Role Of Non-Exosomal Extracellular Vesicles In Colorectal Cancer Metastasis To Kidney: An In Vitro Cell Line Based Study
5	EC-029	Jeeva Jb, Siddhesh Raut, Jim Elliot Christopher And Ameena Yari	NIR Reflectance Imaging Of Biological Tissue Using Multiple Sources And Detectors
6	NEC-006	Ramasamy Paulmurugan	Imaging Multiprotein Interactions By Split-Reporter Protein Complementation Systems
7	NEC - 007	Sireesh D, Ramkumar Km*, Paulmurgan. R*	Bioimaging of pancreatic islet transplantation in preclinical animal models
8	NEC-018	Elamparithi.V, Manimegala.G and Gunasekaran.G	Growth and yield of cucumber (Cucumis sativus L.) influenced the vermicompost and inorganic (N,P,K) fertilizer
9	NEC-019	Gunasekaran.G and S. Balasubramanian	Predicting The Primary And Secondary Structure Of Epidermal Mucus Protein From <i>Mugil Cephalus</i> By MALDI-TOF/MS
10	NEC -020	Mary Annie Sujitha J, Priya Rani, Rajkumar E R, Arulmozhivarman	Challenges in the diagnosis of Retinopathy of Prematurity - An imaging and instrumentation perspective

## Technical Session Schedule

Session Title :	Imaging and Molecular Biology			Venue	CS Hall, Behind Anna Auditorium
Day/Session	Poster Presentation	Date	30-08-2017	Time	13:00 – 15:00
Session Chair 1	Dr. T. R. Santhosh Kumar, Scientist, RGCB, Trivandrum				
Session Chair 2	Prof. Jousmäki Veikko, Aalto University, Finland				
Session In-Charge	Dr. N. Everette Jacob Remington, SBST, VIT				

S. No.	Paper ID	Author (s)	Paper Title
1	EC-023	Saibaba Ganesan, Rajesh Durairaj, Priya Aarth Archunan, Manikkaraja Chidamabaram, Angayarkanni Jayaraman and Archunan Govindaraju	Anticancer effect of natural lovastatin(NL) in albino mice: a biological investigation and docking studies
2	EC-032	Sabna Bs And Angayarkanni Jayaram	Isolation And Characterization Of Pterin From Cyanide Utilizing Bacteria
3	NEC – 008	Arul Priya, R And Saravanan, K.	Molecular Docking Of Different Ligands From <i>Pisum Sativum</i> With Breast Cancer Target (Her2)
4	NEC – 009	Subramanian Abinaya, Durairaj Siva, Dharmaraj Praveenkumar, Arumugam Vinothkumar, Ganasekaran Saravanan, A. Ramkumar, U. Suriyakalaa*, Shanmugam Achiraman	Propionic Acid: An Estrous Cycle Regulator In Polycystic Ovary Syndrome (Pcos) Induced Rat Model
5	NEC – 010	Durairaj Siva, Subramanian Abinaya, Dharmaraj Praveenkumar, Rajamanikkam Ramachandran, Arumugam Vinothkumar, Gnanasekaran Saravanan, Shanmugam Achiraman	Adriamycin Mediated Cardio Toxicity: Remedy Through Adriamycin Conjugated Chitosan Nanoparticles With Supplementation Of Propionic Acid.
6	NEC – 012	Karuppannan, P And Saravanan, K	Molecular Docking Studies Of Ventilone From <i>Ventilago Maderaspatana</i> With Insulin Receptor Tyrosine Kinase Activator For The Treatment Of Diabetes Mellitus
7	NEC - 013	Mr. V.Ramasubramanian, Dr. K.Palanivelu	Molecular Docking Analyses Of <i>Morinda Tinctoria</i> Roxb Derived Phytochemicals Against Human Insulin Receptor
8	NEC – 014	Sabira Mohammed, Shirley James, J. S. Aparna, K.B Harikumar	Elucidation Of The Role Of Sphingosine Kinase 1 In Tlr Mediated Innate Immune Response
9	NEC - 015	Mahendra Babu L	A Sphingosine Receptor Modulator With Anticancer Activity