

InCoB2022 – Monday, 21 November 2022

Time Zone GMT +3		Zoom Event		
Time Start	Time End			
830	835	<b>OPENING CEREMONY</b>		
835	845	Address by Conference Chair (Prof. Takashi Gojobori)		
845	855	Address by APBioNet Chairperson (Prof. Shoba Ranganathan)		
855	900	Housekeeping (instructions/info) by MC		
900	945	<b>KEYNOTE TALK 1:</b> Dr. Carlo Vittorio Cannistraci, Tsinghua University, China <b>Title:</b> Epitopological sparse deep learning: a brain- inspired training for artificial neural networks <b>Session Chair:</b> Prof. Takashi Gojobori		
945	955	<b>BREAK</b>		
955	1200	<b>ORAL TALKS, LIGHTNING/FLASH TALKS, &amp; POSTER PRESENTATIONS</b>		
		<b>Parallel Sessions-1</b> <b>Chair:</b> Dr. Boris Jankovic <b>Zoom Admin:</b> Juexiao Zhou	<b>Parallel Sessions-2</b> <b>Chair:</b> Dr. Roberto Incitti <b>Zoom Admin:</b> Siyuan Chen	<b>Parallel Sessions-3</b> <b>Chair:</b> Dr. Senay Kafkas <b>Zoom Admin:</b> Haoyang Li
		<b>Title:</b> An explainable AI model which incorporates biological knowledge to identify novel biomarkers in Alzheimer's disease <b>Author(s):</b> <i>Sherlyn Jemimah, Aamna Mohammed Alshehhi and Alzheimer's Neuroimaging Disease Initiative</i> <b>Presentation Category:</b> Poster presentation	<b>Title:</b> Network-based stratification of kidney papillary renal cell carcinoma using multi-omics data <b>Author(s):</b> <i>Keerthi S Shetty, Aswin Jose, Mihir Bani and P.K. Vinod</i> <b>Presentation Category:</b> Poster presentation	<b>Title:</b> Koch's postulate study on CCCVd infected palms <b>Author(s):</b> <i>Azizi Norazah</i> <b>Presentation Category:</b> Poster Presentation
		<b>Title:</b> A machine learning framework for small molecule-induced gene expression prediction and its application for screening anti-cancer natural products <b>Author(s):</b> <i>Riya Sadrani, Broto Chakrabarty, Siladitya Padhi, Rajgopal Srinivasan and Arijit Roy</i> <b>Presentation Category:</b> Lightning/Flash Talk	<b>Title:</b> Computational modeling of light processing in the habenula and dorsal raphe based on laser ablation of functionally-defined cells <b>Author(s):</b> <i>Ruey-Kuang Cheng, N. Suhas Jagannathan, Ahmad Ismat Kathrada, Suresh Jesuthasan and Lisa Tucker-Kellogg</i> <b>Presentation Category:</b> Oral Talk	<b>Title:</b> High throughput sequencing analysis of normal and mantled oil palm mitochondrial genome <b>Author(s):</b> <i>Nuraziyah Azimi, Mohd-Faizal Abu-Bakar, Mohd-Noor Mat-Isa, Siew-Eng Ooi and Melina Ong-Abdullah</i> <b>Presentation Category:</b> Poster Presentation
		<b>Title:</b> MetagenNN: a memory-efficient taxonomic classifier robust to sequencing errors and missing genomes <b>Author(s):</b> <i>Rafael Peres da Silva, Chayaporn Suphavitai and Niranjan Nagarajan</i> <b>Presentation Category:</b> Lightning/Flash Talk	<b>Title:</b> Correlation between Nuclear Membrane-less Organelle Positioning and Chromatin Rheology <b>Author(s):</b> <i>Takuya Nara, Haruko Takahashi and Yutaka Kikuchi</i> <b>Presentation Category:</b> Poster presentation	<b>Title:</b> Long non-coding RNA (lncRNA) PVT1 role in pan-cancer gene expression regulation <b>Author(s):</b> <i>Euphonia Tiberius Kharsiyemlong and Seema Mishra</i> <b>Presentation Category:</b> Poster Presentation
		<b>Title:</b> Using bacterial pan-genome-based feature selection approach to improve the prediction of minimum inhibitory concentration (MIC) <b>Author(s):</b> <i>Ming-Ren Yang, Shun-Feng Su and Yu-Wei Wu</i> <b>Presentation Category:</b> Oral Talk	<b>Title:</b> Analyzing miRNA and lncRNA co-targeted gene regulatory network in head and neck squamous cell carcinoma <b>Author(s):</b> <i>Avantika Agarwal, Swapnil Kumar and Vaibhav Vindal</i> <b>Presentation Category:</b> Lightning/Flash Talk	<b>Title:</b> Housekeeping enhancers in the human genome <b>Author(s):</b> <i>Martin Loza, Kenta Nakai and Alexis Vandenberg</i> <b>Presentation Category:</b> Lightning/Flash Talk
		<b>Title:</b> Machine Learning based identification of gene biomarkers for HPV-dependent cervical cancer using TCGA data <b>Author(s):</b> <i>Ashitha Washington and Dr. Suma Mohan</i> <b>Presentation Category:</b> Poster Presentation	<b>Title:</b> Molecular docking and dynamics simulation study of bioactive compounds from Jatropha curcas L against the Main protease of SARS CoV-2 <b>Author(s):</b> <i>Faten Dhawi and Shafiq B</i> <b>Presentation Category:</b> Poster Presentation	<b>Title:</b> Identifying Rare Pathogenic Variants in a Child with Autism using Exome Sequencing <b>Author(s):</b> <i>Anjali Krishna A, Naresh Tayade and Prashanth Suravajhala</i> <b>Presentation Category:</b> Poster Presentation
		<b>Title:</b> SnapKin: a snapshot deep learning ensemble for kinase-substrate prediction from phosphoproteomics data <b>Author(s):</b> <i>Di Xiao, Michael Lin, Chunlei Liu, Thomas Geddes, James Burchfield, Benjamin Parker, Sean Humphrey and Pengyi Yang</i> <b>Presentation Category:</b> Oral Talk	<b>Title:</b> Study of the binding site dynamics, druggability and cryptic pocket formation in different human coronaviruses' main protease (Mpro) <b>Author(s):</b> <i>Ahmed Ezat</i> <b>Presentation Category:</b> Poster Presentation	<b>Title (pre-recorded):</b> Comparative Genome Analysis of Arthropods <b>Author(s):</b> <i>Sean Chun-Chang Chen and Carol Eunmi Lee</i> <b>Presentation Category:</b> Poster Presentation
		<b>Title:</b> Exploiting the Recommender Algorithms for Bioinformatics and Medicine: Applications and Challenges <b>Author(s):</b> <i>Harshita Bhargava, Amita Sharma, Jayaraman K Valadi and Prashanth Suravajhala</i> <b>Presentation Category:</b> Lightning/Flash Talk	<b>Title:</b> DVA: predicting the functional impact of single nucleotide missense variants <b>Author(s):</b> <i>Dong Wang, Jie Li, Edwin Wang and Yadong Wang</i> <b>Presentation Category:</b> Oral Talk	<b>Title:</b> Identification of genes involved in the biosynthesis of secondary metabolites in <i>D. metel</i> via transcriptomic analysis of leaf and flower tissues <b>Author(s):</b> <i>Madhavi Hewadikaram, Hasith Perera, Sanjaya Bathige and Veranja Karunaratne</i> <b>Presentation Category:</b> Poster Presentation
			<b>Title:</b> <i>In-silico</i> analysis of anti-cancer drugs used in cancer with the MRP1 transporter protein <b>Author(s):</b> <i>Mohita Mahajan and Sukanta Mondal</i> <b>Presentation Category:</b> Poster Presentation	<b>Title:</b> Bioinformatics analysis of the miRNA-mRNA regulatory network in prognosis of colorectal cancer <b>Author(s):</b> <i>Tahani Bakhsb, Safiah Alhazmi and Ahmed Bahieldin</i> <b>Presentation Category:</b> Poster Presentation
			<b>Title:</b> Multitargeted docking-based simulative understanding of Theodrenaline against lung cancer: an <i>in-silico</i> study <b>Author(s):</b> <i>Shaban Ahmad and Khalid Raza</i> <b>Presentation Category:</b> Poster Presentation	
			<b>Title:</b> Repurposing Drugs for Inhibition of Hyperphosphorylated Tau Protein in Alzheimer's Disease: Structural Bioinformatics Studies. <b>Author(s):</b> <i>Kye Vern Kee, Yi Suan Lim, Ee Xion Tan and Wai Keat Yam</i> <b>Presentation Category:</b> Poster Presentation	
1200	1210	<b>BREAK</b>		
1210	1255	<b>KEYNOTE TALK 2:</b> Dr. Shalin H. Naik, WEHI, Australia <b>Title:</b> Clonal multi-omics in haematopoiesis, development and cancer <b>Session Chair:</b> Dr. Prash Suravajhala		
1255	1300	<b>CLOSING SESSION</b>		

Time Zone GMT +3		Zoom Event	
Time Start	Time End		
830	835	OPENING SESSION	
835	920	<p><b>KEYNOTE TALK 3:</b> Dr. David Keyes, KAUST  <b>Title:</b> High Performance Computational Bioinformatics  <b>Session Chair:</b> Prof. Di Wang</p>	
920	930	BREAK	
930	1200	ORAL TALKS, LIGHTNING/FLASH TALKS, & POSTER PRESENTATIONS	
		<p><b>Parallel Sessions-1</b>  <b>Chair:</b> Dr. Intikhab Alam  <b>Zoom Admin:</b> Juxiaox Zhou</p>	<p><b>Parallel Sessions-2</b>  <b>Chair:</b> Dr. Raik Gunberg  <b>Zoom Admin:</b> Siyuan Chen</p>
		<p><b>Parallel Sessions-3</b>  <b>Chair:</b> Dr. Maxat Kulmanov  <b>Zoom Admin:</b> Haoyang Li</p>	
		<p><b>Title:</b> Detrimental Effects COVID-19 Imposed on the Environment  <b>Author(s):</b> <i>gyuri Kim</i>  <b>Presentation Category:</b> Poster Presentation</p>	<p><b>Title:</b> Quantification of Muscle Fiber Malformations Using Edge Detection to Investigate Chronic Wound Healing  <b>Author(s):</b> <i>Charlene Z. L. Ong, N. Jannah M. Nasir, Roy E. Welsch, Lisa Tucker-Kellogg and Jagath C. Rajapakse</i>  <b>Presentation Category:</b> Oral Talk</p>
		<p><b>Title:</b> Bias and reproducibility in a Computational Neurobiology PhD's journey  <b>Author(s):</b> <i>Susana Roman Garcia, Melanie Stefan, David Sterratt, Malvika Sharan, Claudia Fischer and Nicola Romano</i>  <b>Presentation Category:</b> Poster Presentation</p>	
		<p><b>Title:</b> Molecular Design Based on Integer Programming and Quadratic Descriptors in a Two-layered Model  <b>Author(s):</b> <i>Jianshen Zhu, Naveed Ahmed Azam, Shengjuan Cao, Ryota Ido, Kazuya Harauchi, Liang Zhao, Hiroshi Nagamochi and Tatsuya Akutsu</i>  <b>Presentation Category:</b> Oral Talk</p>	<p><b>Title:</b> Exhaustive analysis of the electronic structure of small peptides  <b>Author(s):</b> <i>Masanori Yamanaka</i>  <b>Presentation Category:</b> Poster Presentation</p>
		<p><b>Title:</b> Global genomic pathogen surveillance: online training and pandemic preparedness  <b>Author(s):</b> <i>Liã Bárbara Arruda, Jorge Batista da Rocha and Leigh Jackson</i>  <b>Presentation Category:</b> Lightning/Flash Talk</p>	
		<p><b>Title:</b> De-novo and reference based transcriptome assembly of <i>Piper nigrum</i> reveals novel genes and transcripts in drought tolerance  <b>Author(s):</b> <i>Sona Charles, Fayad Ma, Krishnamurthy Ks, Sheeja Te and Johnson K George</i>  <b>Presentation Category:</b> Poster Presentation</p>	<p><b>Title:</b> Identification of AMR genes and variants from multiple resistant strains of <i>Klebsiella pneumoniae</i>  <b>Author(s):</b> <i>Thahirunnisa J, Sabarish R and Suma Mohan S</i>  <b>Presentation Category:</b> Poster Presentation</p>
		<p><b>Title:</b> Global bibliometry on three decades of methyl jasmonate (MEJA)-induced plant defense research reveals growth of a speciality area in Biology  <b>Author(s):</b> <i>Vipul Chugh, Kamlesh Kumari, Renu Kathpalia and Gitanjali Yadav</i>  <b>Presentation Category:</b> Poster Presentation</p>	
		<p><b>Title:</b> Rewiring of liver tissue network with ageing and its crosstalk with associated liver-pathologies and regeneration  <b>Author(s):</b> <i>Manisri Porukala and P. K Vinod</i>  <b>Presentation Category:</b> Poster Presentation</p>	<p><b>Title (pre-recorded):</b> Enrichment analyses of diseases and pathways associated with precocious puberty using PrecocityDB  <b>Author(s):</b> <i>Karishma Desai, Mridula Sharma, Indra Kundu, Ram Barai, Sameeksha Bhaye, Khushal Pokar and Susan Idicula-Thomas</i>  <b>Presentation Category:</b> Poster Presentation</p>
		<p><b>Title:</b> Variants in Saudi Arabian SARS-Cov-2 Genome: Causes and similarity to Wuhan hCoV-19/Wuhan/WIV04/2019  <b>Author(s):</b> <i>A. Khuzaim Alzahranj</i>  <b>Presentation Category:</b> Poster Presentation</p>	
		<p><b>Title:</b> A Machine Learning -Based Pipeline For Bacteriophage Host-Receptor Prediction  <b>Author(s):</b> <i>Santhosh Kumar S, Sneha S and Suma Mohan S</i>  <b>Presentation Category:</b> Poster Presentation</p>	<p><b>Title (pre-recorded):</b> GeDIPNet: Online resource of curated gene-disease associations for polypharmacological targets discovery  <b>Author(s):</b> <i>Indra Kundu, Mridula Sharma, Ram Shankar Barai, Khushal Pokar and Susan Idicula-Thomas</i>  <b>Presentation Category:</b> Poster Presentation</p>
		<p><b>Title:</b> Genome-wide association study for rhizoctonia aerial blight resistance in soybean  <b>Author(s):</b> <i>Rishiraj Raghuvanshi, Subham Birla, Naga Ram and Mliind B. Ratnaparkhe</i>  <b>Presentation Category:</b> Poster Presentation</p>	
		<p><b>Title:</b> Identifying hub genes and pathways of drought and salt stress responses in cotton (<i>Gossypium hirsutum</i>) using transcriptome meta-analysis: A network biology approach  <b>Author(s):</b> <i>Nasreen Bano and Sumit Kumar Bag</i>  <b>Presentation Category:</b> Poster Presentation</p>	<p><b>Title (pre-recorded):</b> Inconsistent increase in stagewise expression and pathways associated with coexpressed genes with Myc in renal cancer  <b>Author(s):</b> <i>Jyotsna Priyam and Urmila Saxena</i>  <b>Presentation Category:</b> Poster Presentation</p>
		<p><b>Title:</b> Identification and characterization of promising drug targets in highly virulent uropathogenic <i>Escherichia coli</i> strain CFT073 by protein-protein interaction network  <b>Author(s):</b> <i>Harpreet Kaur, Manmohit Kalia, Vikram Singh, Vinay Modgil, Balvinder Mohan and Neelam Taneja</i>  <b>Presentation Category:</b> Lightning/Flash Talk</p>	
		<p><b>Title:</b> Microtubule group movement tracking with optical flow and cluster matching  <b>Author(s):</b> <i>Chen Ma, Masayuki Yamamura, Mousumi Akter, Akira Kakugo, Gregory Gutmann and Akihiko Konagaya</i>  <b>Presentation Category:</b> Oral Talk</p>	<p><b>Title:</b> Ensemble based docking and inclined molecular dynamics simulation studies targeting Penicillin binding proteins  <b>Author(s):</b> <i>Surabhi Johari, Akanksha Jain, Shravanni Kachari and Subrata Sinha</i>  <b>Presentation Category:</b> Poster Presentation</p>
		<p><b>Title:</b> Phosphate-solubilizing Fungal Endophytes Isolated from Cherry Tomato <i>Lycopersicon esculentum</i> Leaves and their Potential Role in Agricultural Sustainability  <b>Author(s):</b> <i>Faizah Althani, Azhar Najjar and Samah Noor</i>  <b>Presentation Category:</b> Poster Presentation</p>	
		<p><b>Title:</b> CoPR: Collective Pattern Recognition—A Framework for Microbial Community Activity Analysis  <b>Author(s):</b> <i>Rajith Vidanaarachchi, Sen-Lin Tang and Saman Halgamuge</i>  <b>Presentation Category:</b> Oral Talk</p>	<p><b>Title:</b> A Novel algorithm for Canonicalization of Molecular Structure to reduce ambiguity in Chemical Databases  <b>Author(s):</b> <i>Saurav Kumar Jindal and Suchismita Mahato</i>  <b>Presentation Category:</b> Poster Presentation</p>
		<p><b>Title:</b> Identification, diversity and domain structure analysis of mucin and mucin-like genes in sea anemone <i>Actinia tenebrosa</i>  <b>Author(s):</b> <i>Alaa Haridi</i>  <b>Presentation Category:</b> Poster Presentation</p>	
		<p><b>Title:</b> DeepLNCrnaPredictor: prediction of long non-coding RNA using deep learning techniques  <b>Author(s):</b> <i>Suheel Yousuf Wani, Mohanad A. Ibrahim, Faisal M. Alsubaie and Abdul Wahid</i>  <b>Presentation Category:</b> Lightning/Flash Talk</p>	<p><b>Title:</b> Relationship of Methylation Levels against Absolute Monocyte Count and Absolute Lymphocyte Count in Acute Myeloid Leukemia  <b>Author(s):</b> <i>Jeremie Darmawan and David Agustriawan</i>  <b>Presentation Category:</b> Poster Presentation</p>
		<p><b>Title:</b> The transcriptome landscape reveals that the chronic inflammatory response in kidney is affected by the combinatorial effect of leptospirosis and nephrotoxic injury  <b>Author(s):</b> <i>Li-Fang Chou, Chih-Wei Huang, Huang-Yu Yang, Ya-Chung Tian, Ming-Yang Chang, Kuan-Hsing Chen, Cheng-Chieh Hung, Shen-Hsing Hsu, Chung-Ying Tsai, Yi-Ching Ko, Ting-Wen</i>  <b>Presentation Category:</b> Lightning/Flash Talk</p>	
		<p><b>Title:</b> Shark-dust: High-throughput DNA sequencing of processing residues unveils rife trade in endangered sharks and rays  <b>Author(s):</b> <i>Anhika Prasetyo, Joanna Murray, Firdaus Agung, Naiara Sales, Allan McDevitt and Stefano Mariani</i>  <b>Presentation Category:</b> Lightning/Flash Talk</p>	<p><b>Title:</b> Comparative Genomics and Specific Functional Characteristics Analysis of <i>Bifidobacterium bifidum</i>  <b>Author(s):</b> <i>Kholoud Almasoudi, Oluwaseyi Olawale and Ruqaiyah Bedaivi</i>  <b>Presentation Category:</b> Poster Presentation</p>
		<p><b>Title:</b> Federated learning in bioinformatics – An approach for analyzing biomedical data  <b>Author(s):</b> <i>Ankush Maind</i>  <b>Presentation Category:</b> Poster Presentation</p>	
		<p><b>Title:</b> Decoding different subtypes of breast cancer using integrative network analysis  <b>Author(s):</b> <i>Swarnil Kumar and Vaibhav Vindal</i>  <b>Presentation Category:</b> Poster Presentation</p>	<p><b>Title:</b> Comparative study of gene expression profile in stromal and epithelial cell of normal and invasive breast carcinoma  <b>Author(s):</b> <i>Ghazala Sultan and Dr. Swaleha Zubair</i>  <b>Presentation Category:</b> Poster Presentation</p>
		<p><b>Title:</b> Immobilization halophilic bacteria strain, <i>Idiomarina</i> sp. 10PY-1A, for pyrene degradation  <b>Author(s):</b> <i>Bushra Otain</i>  <b>Presentation Category:</b> Poster Presentation</p>	
		<p><b>Title:</b> Phylogeny and phylogeography of <i>Fasciola</i> spp using nuclear and mitochondrial gene markers  <b>Author(s):</b> <i>Damanbha Lyngdoh, Veena Tandon and Bishnupada Roy</i>  <b>Presentation Category:</b> Poster Presentation</p>	
1200	1210	BREAK	
1210	1255	<p><b>KEYNOTE TALK 4:</b> Dr. Jiangning Song, Monash University, Australia  <b>Title:</b> Artificial intelligence to explore multi-modality biomedical data and accelerate knowledge discovery  <b>Session Chair:</b> Harshita Bhargava</p>	
1255	1300	CLOSING SESSION	

InCoB2022 – Wednesday, 23 November 2022

Time Zone GMT +3		Zoom Event		
Time Start	Time End			
830	835	OPENING SESSION		
835	920	<b>KEYNOTE TALK 5:</b> Dr. Sahika Inal, KAUST <b>Title:</b> Organic Electronics for Disease Diagnosis <b>Session Chair:</b> Prof. Robert Hoehndorf		
920	930	BREAK		
930	1100	APBIONET AGM		
1110	1210	SPECIAL PUBLIC (OPEN & FREE) SESSION		
		<b>TUTORIAL</b> Spatio-temporal Point Pattern Data Analysis with Applications in Health Surveillance and Environmental Data <b>Speaker:</b> André Victor Ribeiro Amaral <b>Zoom Admin:</b> Juexiao Zhou	<b>HPC TRACK</b> <b>Theme:</b> Accelerating Innovation to Meet Biological Challenges: The Role of HPC <b>Session chair:</b> Dr. Hatem Ltaief <b>Zoom Admin:</b> Siyuan Chen	<b>EDUCATION TRACK</b> <b>Theme:</b> Training and capacity building for pathogen genomic surveillance emphasising on network building and collaboration <b>Session chair:</b> Dr. Rachel Berkson <b>Zoom Admin:</b> Haoyang Li
1210	1220	BREAK		
1220	1305	<b>KEYNOTE TALK 6 (pre-recorded):</b> Dr. Dong Xu, University of Missouri, USA <b>Title:</b> Applications of Graph Neural Networks in Single-Cell Data Analyses <b>Session Chair:</b> Anjali Krishna		
1305	1330	CLOSING CEREMONY		