

iCOBLET Short Talk Sessions

21st November 2024, UDST

Talk	Time	Al Ruwais Lecture Theatre (1.1.04)	Al Wakrah Lecture Theatre (1.1.06)
1	10:00 - 10:05	<p>S/FT Session 1: Bioinformatics Education and Training</p> <p>A Global Initiative on Addressing Bioinformatics' Grand Challenges Presenting Author: Esra Büşra Işık (Remote)</p>	<p>S/FT Session 4: Bioinformatics in Human Health and Disease</p> <p>Pymol to Investigate the Three-Dimensional Alterations in Obesity-Related Leptin Mutations Presenting Author: Tiwuk Susantiningsih (Remote)</p>
2	10:08 - 10:13	<p>Syllabus Development for Undergraduate Courses in Bioinformatics Presenting Author: Muhammed Erkan Karabekmez (Remote)</p>	<p>Multiclass Human Cancer Classification using Machine Learning (ML) and Deep Learning (DL) on Next Generation Sequencing (NGS) Data Presenting Author: Fatima Noreen</p>
3	10:16 - 10:21	<p>Optimizing 16S Sequence Workshops: Insights into Using Gitpod for Bioinformatics Training Presenting Author: Hissa Al-Fakhri</p>	<p>Uncovering Key Molecular Drivers of Glioblastoma Progression Through Integrated Bioinformatics Analysis Presenting Author: Asma Mahdi</p>
4	10:24 - 10:29	<p>Transforming Undergraduate Biopharmaceutics and Pharmacokinetics Education: Integrating in Silico Modeling for Skill Development and Research Training Presenting Authors: Marah Yousif, Fatma Hassan, Marwa Mohamud</p>	<p>Bioinformatic Analysis of Mutation on GP1BA Glycoprotein Ib Platelet subunit Alpha Homo Sapiens Presenting Author: Irah Namirah (Remote)</p>
5	10:32 - 10:37	<p>Establishment of an Accessible Training Pipeline for Teaching Molecular Dynamics (MD) as a Computational Tool for in-silico Drug Development Using Oleuropein in Different Nano-formulation as the Target System Presenting Authors: Baysan Kmainasi, Nihala Panangat, Fathima Punjalkatte, Mahmoud Alazzeh NB: this talk is two accepted abstracts collapsed into one</p>	<p>Utilizing Bioinformatics to Map the Pharmacogenomic Landscape of TNF Inhibitors in Qatar Presenting Author: Zainab Jan</p>
6	10:40 - 10:45		<p>Genetic Interaction Predictor (GIP): A Novel Machine Learning Tool for Understanding Genetic Interactions to Enhance Genetic Causal Effect Insights Across Populations Presenting Author: Nismabi Adimaveettill Nisamudheen</p>
7	10:48 - 10:52	<p>Introduction to Genomics (InGen): An Initiative to Expand Science Education for High School Students in Qatar Author: Iman K. Al-Azwani</p>	<p>S/FT Session 5: Drug Design and Disease Targeting</p> <p>In-vitro and In-silico Screening of Phytochemicals from the Fruit of <i>Garcinia Mangostana L.</i> against Potential Targets of Tuberculosis Disease Presenting Author: Shefin Basheera</p>

8	10:55 - 11:00	<p>Limitations of Teaching Bioinformatics to High School Students in Qatar Presenting Author: Lucy Diraviam</p>	<p>Investigating the Antimicrobial Activity of Phytochemicals from <i>Luisia Tristis</i> via GC-MS Analysis and <i>In-silico</i> Drug Design Presenting Author: Navya Raj (Remote)</p>
9	11:03 - 11:08	<p>BioZig: A High-Performance and User-Friendly Toolkit for Computational Molecular Biology and Bioinformatics Education Presenting Author: Oussema Oufroukh</p>	<p>Allucin as a Promising Inhibitor of SARS-CoV-2 Proteins: Insights from Molecular Docking and Molecular Dynamics Simulations Presenting Author: Mohammed Efendi</p>
10	11:11 - 11:16	<p>Bridging the Bioinformatics Skills Gap: A Strategic Approach by Sivasakthi Science Foundation Presenting Author: Sabarinath Subramaniam (Remote)</p>	<p>A Potential Allosteric Inhibitor of SARS-CoV-2 Main Protease (Mpro) Identified through Metastable State Analysis Presenting Author: Asma Fatima</p>
11	11:19 - 11:24	<p>S/FT Session 2: Research and Infrastructure for Democratizing Bioinformatics</p> <p>Research From Home (RFH): Democratization of Research in Biotech Presenting Author: Shaheen N. Shah (Remote)</p>	<p>Nanobodies and Small Molecules: A synergistic approach to anti-cancer therapeutics Presenting Author: Sagar Ashok Khulape (Remote)</p>
12	11:27 - 11:32	<p>Q-omics: A Smart Software Platform for Omics Data Mining Presenting Author: Sukjoon Yoon (Remote)</p>	<p>Computational Studies on NS5 (non-structural protein 5) of Japanese Encephalitis Virus against active compounds of <i>Atropa Belladonna</i> Presenting Author: Atheeq Toufeeq Ahmed (Remote)</p>
13	11:35 - 11:40	<p>From Local to Global: Navigating Funding and Building a Worldwide Research Network Presenting Author: Somenath Dutta (Remote)</p>	<p>S/FT Session 6: Bioinformatics in Agriculture and the Environment</p> <p>Genome Wide Association Studies (GWAS) as a Bioinformatics Tool for Exploring Plant Diversity in Arid Regions Presenting Author: Fahim Ullah Khan</p>
14	11:43 - 11:48	<p>S/FT Session 3: Computational Biology and Systems Biology</p> <p>Computational Investigation of Pattern Formation in Reaction-Diffusion Models Presenting Authors: Dr. Ramzan Ali</p>	<p>Evaluating the Efficacy of Target Capture Sequencing for Genotyping in Cattle Presenting Author: Kelly Ren (Remote)</p>
15	11:51 - 11:56	<p>Investigating the Impact of Deleterious BMAL1 SNPs on Circadian Rhythms Using In Vitro Assays and Coarse-Grained Molecular Dynamics Simulations Presenting Author: Şeref Gül</p>	<p>S/FT Session 7: Microbial Genomics and Proteomics</p> <p><i>In-silico</i> Approaches to Identify Structural and Functional Annotation of Hypothetical Proteins from Klebsiella Pneumoniae Strain, NUBRI-k Presenting Author: Mohanad Elkhidir (Remote)</p>
16	11:59 - 12:04	<p>Wnt Signalling Pathway in Glioblastoma Multiforme: An <i>In-silico</i> Systems Biology Approach</p>	<p>An <i>In-silico</i> Approach to Explore the Link between Gut Microbiota Dysbiosis and Intestinal Infections in T2DM Patients</p>

		Presenting Author: Ayesha Fatima (Remote)	Presenting Author: Satyajit Beur
17	12:07 - 12:12	Computational Elucidation of Fluoxetine-Induced Alterations in Protein-Protein Interaction Networks: A Systems Biology Approach to Major Depressive Disorder Presenting Author: Vivitri Dewi Prasasty (Remote)	

**S/FT – Short/Flash Talk*