

DAY 1; Oct 20, 2022 - Thursday

EVENT	TIME (GMT+3)		Moderator	Speaker	TITLE
	Start	End			
Registration	9:00	10:00			
Welcome & Coffee	11:00	11:30		Can Koşukcu	BIOINFORMATICS SOLUTIONS by QIAGEN
	11:30	12:00		Barış Salihoğlu	OPENING
KEYNOTE TALK	12:00	13:00	Ogün Adebali	IGOR JOULINE, OSU/USA	Amino acid sensor conserved from bacteria to humans
LUNCH	13:00	14:00			
INVITED TALK 1	14:00	14:45	Nurcan Tunçbağ	YESID CUESTA ASTROZ , CES/CO	Multi-omics data integration and network-based analysis in the understanding of host-pathogen interactions
CP Talk 1	14:45	15:10		Melike Berksöz	Computational Design Of A Genetically Encoded Iron Biosensor
Selected Talk 1	15:10	15:20		Mehdi Kosaca	PROT-ON: Structure-Based Detection of Critical Mutations in Redesigning Protein-Protein Interfaces
COFFEE BREAK	15:20	15:30			
CP Talk 2	15:30	15:55		Asli Kutlu	Probing The Structural Impacts Of Arg388 Replacements In Pkp2 Protein Complex: Spesfic Case In Arvc
Selected Talk 2	15:55	16:05		Serbulent Ünsal	A Protein Representation Model for Low-Data Protein Function Prediction
Selected Talk 3	16:05	16:15		Almotasem Belah Alhamwi	Insight Into Impact of High Resistance-Causing Mutations on Penicillin Binding Protein 3 Of H. Influenzae Suggests an Alternative Approach for Combating Antibiotic Resistance
Selected Posters	16:15	17:15			POSTER SESSION 1
INVITED TALK 2	17:30	18:15	Ezgi Karaca	SÜREYYA ÖZCAN, METU/TR	Dancing in the dark: Discovering the boundaries
Selected Talk 4	18:15	18:25		Gökçe Uludoğan	Exploiting Pretrained Biochemical Language Models for Targeted Drug Design
Selected Talk 5	18:25	18:35		Damla Övek Baydar	Predicting protein-protein interactions using GCN-based encoder-decoder combined with a transformer
Selected Talk 6	18:35	18:45		Atabey Ünlü	Disease Centric Large Scale De Novo Design of Drug Candidate Molecules with Graph Generative Deep Adversarial Networks

DAY 2; Oct 21, 2022 - FRIDAY

Event	TIME (GMT+3)		Moderator	Speaker	Title	WORKSHOP: STRUCTURAL BIOINFORMATICS TECHNIQUES (8:30-12:30) Yesid Cuesta Astroz, PhD Burcu Özden Yücel Ezgi Karaca, PhD
	Start	End				
Registration	starts at 8:00:00		REGISTRATION			
CP 3	9:30	10:00	İdil YET	Deniz Sezin Ayvaz	Investigating Conversion From Mild Cognitive Impairment To Alzheimer's Disease Using Latent Space Manipulation	
Selected Talk 7	10:00	10:15		Ayşe Nur Çoruh	Artificial Learning and Multi-Omics Based Analysis of Large-Scale Cancer Data for Personalized Survival Prediction	
Selected Talk 8	10:15	10:30		Hakan Kuru	Smart Health Coaching: Behaviour Change Mechanisms and Interaction Strategies in Workplace Health Promotion	
Selected Talk 9	10:30	10:45		Melisa Acun	Copy-fm: A Tool For Determining Fraction of Mosaicism in Copy Number Variations	
COFFEE BREAK	10:45	11:00	COFFEE BREAK			
Selected Posters	11:00	12:30	POSTER SESSION 2			
LUNCH	12:30	13:30	LUNCH			
INVITED TALK 3	13:30	14:15	Arzu Karahan	Simon Blanchoud	Investigating the basis of chordate whole-body regeneration by comparative de novo genome assembly	
Selected Talk 10	14:15	14:30		Onur Önder	Allosteric Changer in the Centromere-specific Nucleosome in Response to Physical Factors	
Selected Talk 11	14:30	14:45		Mehmet Somel	Ancient Upper Mesopotamia, 10,000 years ago: first genomic impressions	
Selected Talk 12	14:45	15:00		Nurdan Kuru	A Novel Phylogeny-Dependent Coevolution Algorithm	
SOCIAL PROGRAM	15:00	16:00	NETWORKING @ IMS, METU			
COFFEE BREAK	16:00	16:15	COFFEE BREAK			
TRUBA Session	16:15	16:45		Kerem Kayabay		
KEYNOTE TALK	17:00	18:00	Burçak Otlu	LUDMIL ALEXANDROV, UCSD/USA	Anthology of unusual patterns of somatic mutations in cancer genomes	
CLOSING REMARKS	18:00	19:00	Yeşim Aydın Son	HIBIT AWARD Presentation in memory of NEŞE YALABIK		
GALA DINNER	20:00	-	GALA DINNER			

DAY 3; Oct 22, 2022 - Saturday - RSG Turkey- ONLINE PROGRAM

Event	TIME (GMT+3)			Presenter	TITLE
	Start	End			
Opening	10:20	10:30			
Keynote 1	10:30	11:15	ONLINE	Yasin Kaymaz, PhD	Yet another new era for transcriptomics: single-cell
Student Presentation I	11:15	11:30	ONLINE	Bariş Altunkara	Investigation of Effects of Microenvironment and Immune Cells on Tumor Growth by Agent Based Modeling
Student Presentation II	11:30	11:45	ONLINE	Büşra Savaş	A C-term truncated EIF2By protein encoded by an intronically polyadenylated isoform introduces unfavorable EIF2By–EIF2y interactions
Student Presentation III	11:45	12:00	ONLINE	Merve Uça	Assessment of machine-learning- versus experimental structural models of sex-specific isoforms of linker histone H1
Lunch	12:00	13:00			
Essential Guide for Graduates	13:00	14:15			
Student Presentation IV	14:15	14:30	RECORD	Yacine Marouf	Sex-biased Expression of Neuroimmune Guidance Cues in Cardiovascular Diseases
Coffee Break	14:30	14:45			
Student Presentation V	14:45	15:00	ONLINE	Emrah Akkoyun	Reproducible and Scalable Data Analysis on High Performance Computing
Keynote 2	15:00	15:45	ONLINE	Assoc. Prof. Duygu Ucar	Sex differences in vaccine responses
Coffee Break	15:45	16:00			
Student Presentation VI	16:00	16:15	ONLINE	Gülben Avşar	Impact of Imputation on the Cell Type Identification in ScRNA-Seq Datasets
Keynote 3	16:15	17:00	ONLINE	Gokcen Eraslan, PhD	Toward understanding disease gene function with single cell genomics and machine learning
Networking	17:00	17:30			

DAY 3; Oct 22, 2022 - Saturday - RSG Turkey- ONSITE PROGRAM

Breakfast with PIs

CHECK/OUT until 12:00

Social program (LUNCH and VISIT to TARSUS)

Transfer to Airport After Social Program