

The 3rd Bioinformatics Workshop

Arab Academy for Science and Technology and Maritime Transport (AASTMT)



Universitätsmedizin
Rostock

SATURDAY 13.11.2021

9:00AM - 10:00AM	REGISTRATION
10:00AM - 10:30AM	Welcome and Opening Prof.Dr. Ismail Abdel Elghafar, President of the AAATMT, Egypt Prof.Dr.Mohamed Abo Riska, Dean of the computer science school, AASTMT, Egypt Dr. Mohamed Hamed the Executive Director of Eg-CompBio project, Rostock University, Germany Prof.Dr. Georg Fuellen, Director of IBIMA institute, Rostock University Medical Center, Germany
10:30AM - 11:00AM	Prof.Dr. Georg Fuellen Director of IBIMA institute, Rostock University medical center, Rostock Germany Bioinformatics: how to learn to predict human outcomes
11:00AM - 11:30AM	Dr. Nicolas Luca Spath Department of Hematology and Oncology, University Hospital Schleswig-Holstein, Kiel, Germany A data-driven approach to decipher genomics and methylation patterns underlying tumor phenotypes
11:30AM - 12:00PM	Eng. Bishoy Wadie Structural and Computational Biology Unit, EMBL, Heidelberg, Germany Spatial and Single Cell Metabolomics : New Frontiers
12:00PM - 12:30PM	Coffee Break
12:30PM - 01:00PM	Prof.Dr. Mai S. Mabrouk Biomedical Engineering department, Misr University for Science and Technology (MUST), Cairo, Egypt A diagnostic genomic signal processing (GSP)-based system for automatic feature analysis and detection of COVID-19
01:00PM - 01:30PM	Dr. Ahmed El-Kerdawy Associate professor, Faculty of Pharmacy, Cairo University, Egypt Computer-based approaches for drug-discovery
01:30PM - 02:00PM	Dr. Mohamed Tahoun Assistant Professor, Faculty of Computers and Informatics, Suez Canal University, Ismailia, Egypt Medical image analysis: new trends and applications
02:00PM - 02:30PM	Coffee Break
02:30PM - 4:00PM	Dr. Mohamed Hamed Executive Manager of EG-CompBio, Rostock University medical center, Germany Bioinformatics and Computational Biology (BCB) Diploma Q&A

Sunday 14.11.2021

9:30AM - 10:45AM	WS1: Introduction to machine learning in bioinformatics (Part 1)
10:45AM - 11:00AM	Coffee Break
11:00AM - 12:30PM	WS1: Introduction to machine learning in bioinformatics (Part 2)
12:30PM - 01:00PM	Coffee Break
01:00PM - 02:30PM	WS2: Conducting Transcriptome wide association analysis (TWAS) (Part 1)
02:30PM - 02:45PM	Coffee Break
02:45PM - 04:30PM	WS2: Conducting Transcriptome wide association analysis (TWAS) (Part 2)

Monday 15.11.2021

9:30AM - 10:45AM	WS3: Statistical Genomics (part 1)
10:45AM - 11:00AM	Coffee Break
11:00AM - 12:30PM	WS3: Statistical Genomics (part 2)
12:30PM - 01:00PM	Coffee Break
01:00PM - 03:00PM	Bioinformatics Cafe

