

Conference on Public Health & Epidemic Diseases 2018, Dallas, USA

Summary

A scientific program was hosted at Dallas, USA as a part of Proceedings of 3rd world congress on medical sociology and public health.

As a part of this event, I was an invited speaker at International conference on Public health and epidemic disease, 2018. It was scheduled on 21st and 22nd of September, 2018.

I was an esteemed event and was able to present work regarding “Whole genome analysis of *Mycobacterium tuberculosis* DR, MDR, XDR and XXDR isolates to find signature mutation pattern in drug resistance”.

I provided me a great opportunity to interact with various other researcher’s in the field of community medicine, pathogen detection and anti-microbial resistance.

This visit provided me a good insight into various aspects of global medicine. The current trends of ongoing research worldwide. A chance to interact and have potential collaborations with many such researchers abroad.

The work experience helped me to better gauge the effect the bacterial pathogens to global community and the harm of anti-bacterial resistance that effects healthcare.

Such opportunities will lead to getting academic collaborations guiding our students to carry out research in our country leading to brain gain, young and efficient manpower in field of academics and research

SBMC 2016 Munich – 6th Conference on Systems Biology of Mammalian Cells

Summary

From April 6th to April 8th 2016, the 6th **Conference on Systems Biology of Mammalian Cells** (#SBMC2016) took place at Klinikum rechts der Isar in Munich, Germany.

The major focus on the conference was on:

1. Integration of genomic data harnessing ubiquitous sequencing efforts.
2. Predictive models for the correct drug administration to inhibit tumor formation.

I was an esteemed event and was able to present work regarding “Designing and simulation studies of *mycobacterium tuberculosis* DNA gyrase”.

The major discussion was that there is multiple layers from single atoms up to populations of human individuals in a patient cohort. When it comes to mammalian cells, multiple **omics** levels have to be integrated preferably at the **single-cell level** to address heterogeneity, which is challenging by itself. Additionally, Fabian strengthened that systems biology needs to be tailored to address emanating questions concerning human health to path the way towards **personalized (systems) medicine**. Representatives of the German Federal Ministry of Education and Research underlined this strategy by pointing out the e:Med research and funding concept

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