



## Invited Lecture

on

# “Multimodality Approach to Tuberculosis Diagnosis: Integration by Machine Learning and Artificial Intelligence”

By: **Prof. Dr. Imran H. Khan**

**Director of Operations, Proteomics Core Lab**

**Department of Medical Pathology and Laboratory Medicine**

**UC Davis Medical Center, Sacramento, USA**

**Jointly organized by:**

**COMSTECH,**

**Sindh Innovation, Research and Education Network (SIREN),  
and**

**International Center for Chemical and Biological Sciences (ICCBS)**

### INTRODUCTION:

The Sindh Innovation, Research, and Education Network (SIREN) working under the auspices of the Government of Sindh, and the International Center for Chemical and Biological Sciences (ICCBS), regularly arranges lectures and organizes workshops for students and research scholars. SIREN now announces an invited lecture entitled, “**Multimodality Approach to Tuberculosis Diagnosis: Integration by Machine Learning and Artificial Intelligence**”, will be delivered by the eminent scientist, Prof. Imran H. Khan.

### WHO SHOULD ATTEND?

Students, scientists and research scholars, already planning for implementation of AI in their research areas of different fields including biochemistry, health sciences, environment, physics, data science, oncology, radiology, and drug research.

All research scholars, students, scientists, and faculty of SIREN universities.

For video conferencing, parameters are: [1100@111.68.111.213](https://1100@111.68.111.213)

### SPEAKER'S PROFILE:

**Prof. Dr. Imran H. Khan:**



Dr. Khan's research interests include studies on biomarkers for intracellular signaling pathways (cancer related) and infectious diseases. In the last several years he has worked on developing highly efficient, high-throughput multiplex approaches for studying proteomic and genetic biomarkers. His research includes simultaneous analysis of multiple, key components of cell signaling pathways in a single reaction vessel. In addition, he has employed novel approaches to study disease related biomarkers in bodily fluids (e.g., plasma/serum, dried blood spots) by combining the power of multiplexing systems and computational modeling. Results of his research have been published in peer-reviewed journals.

**PROGRAM SCHEDULE: 26<sup>th</sup> December 2022**

**DAY AND TIME: Monday (11:00 am - 12:30 pm)**

**REGISTRATION DEADLINE: 23<sup>rd</sup> December 2022 (Free)**

**FOR REGISTRATION USE THE GIVEN LINK: <https://bit.ly/3MATD-SIREN>**

**VENUE: Lecture Hall A, Latif Ebrahim Jamal National Science Information Center (LEJNSIC), International Center for Chemical and Biological Sciences (ICCBS), University of Karachi-75270, Pakistan.**

**For more information:** Email: [siren.lej@gmail.com](mailto:siren.lej@gmail.com); Call: 021-111-222-292 Ext: 267, 275.

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