

**The seventh webinar of the series is entitled: “Applications of Computational Methods in Drug Screening and Design”**

November 23, 2022

10.00 am Tehran time

**Jointly organized by**

Dr. Panjwani Center for Molecular Medicine and Drug Research

Royan Institute

COMSTECH

Mustafa (pbuh) Science and Technology Foundation

Sindh Innovation, Research, and Education Network (SIREN)

**Introduction**

Dr. Panjwani Center for Molecular Medicine and Drug Research (PCMD), International Center for Chemical and Biological Sciences (ICCBS), University of Karachi, in collaboration with Sindh Innovation, Research, and Education Network (SIREN) and COMSTECH regularly organizes popular lectures on the topics of general interest and need.

PCMD-Royan Institute Webinar Series (Hybrid) is being jointly organized by Dr. Panjwani Center for Molecular Medicine and Drug Research, Royan Institute, Iran, COMSTECH, MSTF, and SIREN. The webinar series is based on the current topics of Biomedical Sciences. The series will provide basic as well as advanced knowledge, skills and academic connections and expert opinions from renowned researchers of both institutes.

**PCMD**

The Panjwani Center for Molecular Medicine and Drug Research (PCMD) is a constituent center of the International Center for Chemical and Biological Science (ICCBS). The main objective of the Center is to develop an understanding regarding common diseases in Pakistan in order to develop effective diagnostic tools and affordable treatments by using molecular medicinal,

chemical and computational methods and to train highly qualified manpower in the emerging new fields of molecular medicine and drug development.

### **Royan Institute**

The Royan Institute is an Iranian clinical, research and educational institute dedicated to biomedical, translational and clinical researches, stem cell research and infertility treatment. It is a public non-profitable organization affiliated to Academic Center for Education, Culture and Research. It was established in 1991 by the late Dr. Saeid Kazemi Ashtiani as a research institute for Reproductive Biomedicine and infertility treatments. In 1998 this institute was approved by Ministry of Health as Cell Based Research Center with over 46 scientific members and 186 lab technicians.

### **Seventh Webinar**

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### **Who Should Attend?**

All undergraduate and graduate students as well as scientists and researchers working in the fields of molecular biomedicine, stem cells and regenerative medicine, tissue engineering and other biomedical disciplines.

### **Speaker’s Profile:**

Prof. Dr. Zaheer Ul Haq is currently serving as the head of Computational Medicinal Chemistry group at the Dr. Panjwani Center for Molecular Medicine and Drug Research. In 2002, he received his PhD in Natural Product Chemistry under the supervision of Prof. Dr. Atta-ur-Rahman. Dr. Ul-Haq obtained his post-doctoral training in theoretical chemistry from University of Innsbruck, Austria. He is a recipient of OeAD Fellow, Austria, a Senior Fulbright Fellow, USA and Alexander von Humboldt Fellow, Germany. He has more than 20 years of research experience in Computational Chemistry and Computer Aided Drug Design. His research areas include: quantitative structure-activity relationship (QSAR); virtual screening; molecular dynamics simulations; and quantum mechanics. Dr. Ul-Haq has published over 200 research articles and has co-edited a book-series entitled, “Frontiers in Computational Chemistry”. Currently, he is serving

as editorial board member of the Journal of Molecular Graphics and Modelling, and Current Computer-Aided Drug Design.

**Program Schedule:** November 23, 2022

**Day and Time:** Wednesday 11.30 am Pakistan time: 10.00 am Tehran time

**For registration (free):** [bit.ly/3ACMDSD-SIREN](https://bit.ly/3ACMDSD-SIREN)

**Register by:** November 20, 2022

**Venue for physical participation:** L.E.J. National Science Information Center, International Center for Chemical and Biological Sciences (ICCBS), University of Karachi, Karachi-75270.

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