

interactions between scientists and students of health care sciences. The organizing committee is planning to invite a large number scientists and resource persons to deliver lectures, and conduct workshop sessions in this event.

ORGANIZING COMMITTEE

PROF. DR. ATTA-UR-RAHMAN, FRS, N.I., H.I., S.I., T.I.

Patron-in-Chief,
International Center for Chemical and Biological Sciences
University of Karachi, Karachi-75270, Pakistan

PROF. DR. M. IQBAL CHOUDHARY, H.I., S.I., T.I.

Director / Chairman STEP-5
International Center for Chemical and Biological Sciences
University of Karachi, Karachi - 75270, Pakistan

ORGANIZING SECRETARY

DR. HUMERA JAHAN

Assistant Professor,
Dr. Panjwani Center for Molecular Medicine and Drug Research
International Center for Chemical and Biological Sciences
University Of Karachi, Karachi - 75270, Pakistan
Email: jahan_pcmd@yahoo.com

CHAIRMAN SCIENTIFIC COMMITTEE

PROF. DR. SHAGHAYEGH HAGHJOO JAVANMARD

Vice-Chancellor for Research and Technology,
Isfahan University of Medical Sciences
Isfahan, Iran

INTERNATIONAL ADVISORY COMMITTEE

PROF. DR. RASSOUL DINARVAND

Director,
Nanotechnology Research Center
Tehran University of Medical Sciences
Advisor to the Minister,
Ministry of Health and Medical Education
Tehran, Iran

PROF. DR. SAEED SARKAR

Secretary General,
Iran Nanotechnology Initiative Council
Tehran University of Medical Sciences,
Tehran, Iran

DR. ZEINAB HAMIDZADEH

Advisor on Women Affairs,
Vice-Presidency for Science and Technology,
Iran

PROF. DR. S. M. WASIM JAFRI

Associate Dean
Aga Khan University,
Karachi, Pakistan

PROF. DR. BILGE SENER

Department of Pharmacognosy,
Gazi University,
Ankara, Turkey

PROF. DR. LIAQUAT ALI

Pothikrit Center for Health Studies (PCHS),
Dhaka, Bangladesh

MS. ZEINAB JABBARI

Director of International Cooperation Group,
Ayandegan Institute of Policy Studies and Strategic Analysis
Tehran, Iran.

MR. MOHAMMAD MAHDI JAFARI

Director of Event Policy Department,
Ayandegan Institute of Policy Studies and Strategic Analysis
Tehran, Iran.

COMMITTEE MEMBERS

Prof. Dr. Viqar U. Ahmed, *H.I., S.I.*

Prof. Dr. Bina S. Siddiqui *S.I., T.I.*

Prof. Dr. Shaheen Faizi, *S.I.*

Prof. Dr. Sabira Begum, P.P.

Prof. Dr. Muhammad Shaiq Ali, *T.I.*

Prof. Dr. Khalid M. Khan, *T.I., S.I.*

Prof. Dr. Zafar Saied Saify

Prof. Dr. Fatima Basha, *S.I.*

Prof. Dr. Darakhshan J. Haleem

Prof. Dr. M. Iqbal Bhangar, P.P.

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Prof. Dr. Syed Abid Ali

Prof. Dr. M. Raza Shah, *T.I.*

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Dr. Muhammad Imran Malik

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Dr. Ghayas Uddin Siddiqui

Dr. Zarrin Basharat

Dr. Muhammad Irfan

Dr. Muhammad Shakeel

Dr. Asad Karim Alvi

Dr. Muhammad Rashid

International Management

DR. SEYED ALI OMRANI

Head of Executive Committee,
Mustafa^(pbuh) Science and Technology Foundation
Email: omrani@mustafaprizo.org

MR. GHOLAM HOSEIN HALVAEI

In Charge of International Affairs,
Mustafa^(pbuh) Science and Technology Foundation
Email: int@mustafaprizo.org

National Management

Mr. Mahmood Alam

Mr. Raheel Baig

Mr. Javed Riaz



Leading-edge Research Facilities at the ICCBS

STEP-5



United Nations
Educational, Scientific and
Cultural Organization



Mustafa Science and Technology Foundation



PCMD

5th Science and Technology Exchange Program on Challenges of Communicable- and Non-Communicable Diseases

February 27 - March 02, 2019
Karachi, Pakistan



Muhammad Ali Jinnah, Mausoleum
Karachi, Pakistan

Jointly Organized by

**MUSTAFA^(PBUH) SCIENCE AND
TECHNOLOGY FOUNDATION
&**

**DR. PANJWANI CENTER FOR MOLECULAR
MEDICINE AND DRUG RESEARCH,
INTERNATIONAL CENTER FOR CHEMICAL
AND BIOLOGICAL SCIENCES
UNIVERSITY OF KARACHI,
KARACHI -75270, PAKISTAN**

INVITATION

Dear Colleagues

We are pleased to invite you to the 5th Science and Technology Exchange Program on "Cutting Edge Pharmaceutical Approaches to Meet the Emerging Health Challenges of CDs and NCDs; with an Emphasis on Female Scientists' Contributions", which will be held during February 27 - March 02, 2019, at the Dr. Panjwani Center for Molecular Medicine and Drug Research, International Center for Chemical and Biological Sciences, University of Karachi, Karachi, Pakistan.

The STEP-5 meeting is aimed to bring together leading experts, researchers, and pharmaceutical scientists to exchange and share their experiences, and research results on various aspects of communicable - and non-communicable diseases. It will also provide an interdisciplinary forum for scientists and practitioners to present their latest research results, ideas, and technological developments, and applications in relevant sectors of health care.

The meeting will provide a scientific platform for scholars, institutions, and industries for the interactive exchange of state-of-the-art knowledge, and for technology transfer. The event will focus on current understanding of disease process, prevention, and diagnosis, and drug discovery and development.

Pakistan is a fascinating country, full of vitality, cultural diversity, enriched natural beauty and culinary delights. We hope the dynamic and magical spirit of Karachi city will be conducive to host STEP-5 meeting in collaboration with the Mustafa^(pbuh) Science and Technology Foundation (MSTF).

On behalf of the Organizing Committee, we wish you all a very warm welcome to Karachi in February 2019.

PROF. DR. M. IQBAL CHOUDHARY, H.L., S.L., T.I.
Director ICCBS / Chairman STEP-5

VENUE

The event will be held at the beautiful premises of the International Center for Chemical and Biological Sciences at the University of Karachi. The ICCBS campus is located at about 20 minutes drive from the Jinnah International Airport and about 40 minutes from the largest shopping area in the center of the city. Banks, post office, stores, restaurants and travel agencies are also located within short distances of the event venue. Evening bus shuttles will run during the event for the participants staying on-campus, to take them to various shopping centers and other attractions in the city.



SCOPE

The aim of the event is to bring together leading experts in the field of biomedical and medical sciences, and health care manager. The objectives will be to raise the status of Islamic world scientists through capacity building and the creation of network for the common benefit of humanity. The four day event will focus on the theme "Challenges of Communicable - and Non- Communicable Diseases". Following aspects of communicable - and non- communicable diseases will be covered:

1. Genetic, physiological, environmental, and behaviours factors of CDs and NCDs.
2. Treatment regimen for CDs and NCDs
3. Interventional and diagnosis strategies for CDs and NCDs
4. Development in spectroscopic techniques relevant to the field
5. Rational drug designing based on natural and synthetic products
6. Clinical trials on drug candidates relevant to the field
7. Regenerative medicine as a treatment approach
8. Engaging industries with the academia to translate research outcome for future drug discovery and development

REGISTRATION

Participants from Abroad

Kindly send applications, along with complete CV, to step@mustafaprize.org

Local Participants

ICCBS will cover all expenses of selected local participants, except travelling.

Kindly submit applications, along with complete CV, to raheelhej@gamil.com

For further details, please visit the website: www.iccs.edu

LANGUAGE

The official language of the conference will be English.

VISA

You are requested to apply for a visa to the nearest Pakistani Embassy or High Commission. Participants from countries with no Pakistani diplomatic mission should also write to the Secretariat in advance. A formal invitation letter would be required from the Chairman Organizing Committee for this purpose.

TRAVEL

Karachi has a modern international airport, which provides connections to all major cities of the world. Many airlines of the world have frequent flights to Karachi, since the city provides a major route linking with the Far East as well as with the Middle East, Europe, and USA. Pakistan International Airlines (PIA) is the national flag carrier. Your travel agent or relevant web-sites can provide you with full details on travel to Karachi.

ACCOMMODATION

All plenary and invited speakers will be accommodated in the International Guest houses of ICCBS, which has excellent housing facilities. However other participants can reserve their accommodation on-campus through an advance request. Complementary transportation will be provided to them during the event.

SHOPPING

Karachi rightly boasts of rich oriental bazaars as well as modern shopping plazas. Bargaining is not uncommon in the market places. Leather, woolen, cotton, brass, copper and wood works are some of the specialties. Onyx ware is in abundance. Gold and silver jewellery, intricately handcrafted, is also a major attraction. Pakistani carpets and rugs, leather goods, cotton clothings, and jewellery are among the best in the world.

CALL FOR PAPERS / POSTER

Abstracts for papers and posters must be in English. The poster board area will be 1.2 m x 1.8 m. Kindly send your abstracts to the secretariat (Dr. Panjwani Center for Molecular Medicine and Drug Research, University of Karachi, International Center for Chemical and Biological Sciences, University of Karachi, Karachi- 75270, Pakistan).

The qualified papers and posters will be presented and assessed by eminent scientists during the program, and the selected ones will be awarded with prizes and shields.

PAKISTAN'S BASIC FACTS

Area:	8,03,943 sq. km
Population	195 million
Capital:	Islamabad

Provinces

Khyber Pakhtoonkhwah (KPK)
Punjab
Sindh
Balochistan
Gilgit Baltistan
Azad Jammu & Kashmir

Capital Cities

Peshawar
Lahore
Karachi
Quetta
Gilgit
Muzaffarabad

Principal Cities:

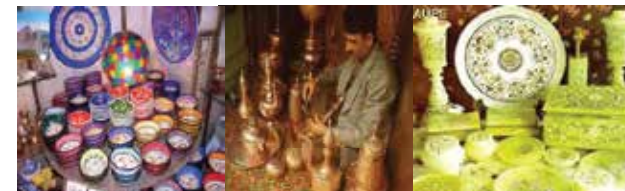
Karachi, Lahore, Hyderabad, Peshawar, Sukkur, Quetta, Multan, Bahawalpur, Faisalabad, Sialkot, Gujranwala, Rawalpindi, Islamabad.

Hill Resorts:

Murree, Nathiagali, Abbottabad, Kaghan.



The Fantastic Mountains of Pakistan



Handicrafts of Pakistan

Languages:

National language Urdu. English is widely used in correspondence and communication. Panjabi, Sindhi, Pashtu and Baluchi are the principal regional languages

WEATHER

Karachi is usually sunny and pleasant in February - March with average day temperature of 33-24 °C and the night temperature falling to 22-19 °C. These months are considered spring time in the city, when the skies are usually clear blue, therefore, the best time to visit Karachi.

Except for a section of the coastal area, the climate in Pakistan is relatively dry. Winters from November to February have chilly nights and bright sunny days with severe winter and snow in the Northern Areas. The summers are hot from April to August with heavy rains in July and August in the plains of the Punjab and the Northern Areas. Karachi, however, remains temperate as a pleasant breeze blows from the Arabian Sea.

PAKISTANI CUISINES

Pakistani food is rich and generally meat based. All restaurants offer a range of "Kababs", barbecued chicken and grilled meat variously spiced and marinated. The most popular meat is lamb followed by chicken. Beef kababs are also popular. Flattened bread ("nan") baked in a deep gas or coal-fired or thinner floppy bread ("chapati") pit is invariably served with all meals. If you like curry, there is a whole variety available everywhere. The popular local drinks are "lassi" (yogurt beaten to a rich paste with water and sugar added) or fresh lime in water sweetened with a rich helping of sugar. The food is not expensive. However take care and avoid drinking unboiled tap water or raw vegetables since our germs are notorious for their passion for visiting "juicy and delicious" foreign visitors!

TOUR AND SIGHTSEEING TRIPS

Several tours and sightseeing trips have been arranged for the conference participants and accompanying persons. This program covers guided tours to Karachi City, visits to beach, museum, and shopping areas.

SCIENTIFIC PROGRAM

The program will consist of plenary lectures, session lectures and poster presentations. Each session will address a theme topic within the area of Communicable - and Non - Communicable Diseases. Special events will be arranged to ensure a lively