

Venue: COMSTECH Secretariat, Islamabad

(March 15 – 17, 2021)

**Deadline for Registration: Jan 15, 2021**

**Note: This workshop is planned to be a hybrid event (Physical and virtual).**

#### [Event Flyer](#)

**Coronavirus disease 2019 (COVID-19)** is an infectious disease classified as pandemic disease by World Health Organization (**WHO**). At the time of writing (June 17, 2020), 269 countries, areas or territories are affected, with over 8.3 million people tested positive and around 448,100 deaths worldwide.

Covid-19 outbreak has put huge pressure on the modern world, has brought many industries to halt and showed the dearth and shortcomings of healthcare system prompting the need to invest more in scientific research. In this scenario, like many areas of health sciences, Nanotechnology also offers new prospects of developing affordable, quick and scalable solutions in diagnoses and treatment of COVID-19, and manufacturing of personal protective equipments, in addition to many other diseases.

Realizing the significance of Nanomedicine for wider public health and health sciences in the OIC states in scenario of COVID-19 and beyond, **COMSTECH is arranging a workshop on Nanomedicine – Development and Challenges from March 15 to March 17, 2021**. In this workshop a systematic approach will be followed to introduce and elaborate on nanomedicine design, development, characterization, and the associated challenges thereof. In addition, the potential role of nanotechnology for the timely diagnosis of COVID-19 and other diseases will also be highlighted.

Workshop will be conducted in Islamabad (Pakistan), located in the foothills of the mighty Himalayas, which is one of the worlds's greener and urbanely planned cities having the most pleasant weather in the season of spring, therefore, offering a mix of scientific and recreational engagement during the planned workshop dates.

#### **Target Audience:**

Academics, students and researchers from the OIC countries are encouraged to apply.

#### **Registration Fee:**

There is no registration fee for participation limited to 35.

### **Travel & Local Hospitality:**

COMSTECH will arrange complete local hospitality, internal transportation, and sightseeing visits for all registered participants. Travel support will be provided to the speakers only. Participants are expected to get their ticket funding from their parent organizations.

### **Registration Process:**

**There is no registration fee for participation limited to 35 (for in person participation).**

**Step 1:** Fill the online application form.

Click [Here](#) to fill online form for **Physical Participation**.

Click [Here](#) to fill online form for **Virtual Participation**.

**Step 2:** Selected candidates will be notified through email; hence, applicants are required to check their emails regularly.

### **Zoom Links**

Topic: International Workshop Nanomedicine – Development and Challenges

Time: Mar 15, 2021 09:00 AM Islamabad, Karachi, Tashkent

Join Zoom Meeting

<https://us02web.zoom.us/j/83450356971?pwd=Kzd3M2pmYm4za1ZSNGJoUDJzYmU0Zz09>

Meeting ID: 834 5035 6971

Passcode: 365486

Topic: International Workshop Nanomedicine – Development and Challenges

Time: Mar 16, 2021 09:00 AM Islamabad, Karachi, Tashkent

Join Zoom Meeting

<https://us02web.zoom.us/j/85289409414?pwd=QU1hOGVMZUdCTnpUMi9lWTMrb3E1dz09>

Meeting ID: 852 8940 9414

Passcode: 013117

Topic: International Workshop Nanomedicine – Development and Challenges

Time: Mar 17, 2021 09:00 AM Islamabad, Karachi, Tashkent

Join Zoom Meeting

<https://us02web.zoom.us/j/87672360215?pwd=OFJlZzFnR3BTbHdXaGVUWHNlVDVwQT09>

Meeting ID: 876 7236 0215

Passcode: 533045

### **Contact Person:**

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Programme Manager, COMSTECH

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### **International Resource Persons**

#### **1. Vincent M. Rotello,**

Professor of Chemistry,

University of Massachusetts, Amherst, USA

Editor-in-Chief: Bioconjugate Chemistry (ACS)

URL: <https://www.umass.edu/chemistry/faculty/vincent-rotello>



#### **2. Wolfgang J. Parak,**

Professor of Physics, Biophotonics Group, Hamburg University, Germany.

Associate Editor, ACS Nano

<https://www.physik.uni-hamburg.de/personen/professoren/parak-wolfgang.html>

Profile of the speaker is attached here..



### 3. **Francesco Stellacci**

Professor of Materials Science & Engineering,  
EPFL, Lausanne, Switzerland.

URL: <https://people.epfl.ch/francesco.stellacci>



### 4. **Rashid Bashir**

Abel Bliss Professor of Engineering,  
Dean, Grainger College of Engineering  
Grainger Distinguished Chair in Engineering and Professor of Bioengineering,  
University of Illinois at Urbana Champaign (UIUC), USA.

URL: <http://libna.mntl.illinois.edu/>



### 5. **Charlotte A. E. Hauser**

Professor of Bioengineering,  
King Abdullah University of Science & Technology (KAUST), Kingdom of Saudi Arabia.

<https://nanomedicine.kaust.edu.sa/>

[Profile of the speaker is attached here..](#)



**6. Mathias Brust**

Professor of Chemistry,  
The University of Liverpool,  
United Kingdom.

URL: <https://www.liverpool.ac.uk/chemistry/staff/mathias-brust/>



**7. Antonios G. Kanaras**

Professor of Physics & Astronomy,  
The University of Southampton, United Kingdom.

URL: <http://www.licn.phys.soton.ac.uk/kanaras.php>



#### 8. **Neus Feliu**

Group Leader, Fraunhofer,  
Research Associate,  
Center for Hybrid Nanostructures (CHyN),  
Hamburg University (UHAM), Germany.

[Profile of the speaker is attached here.](#)



#### 9. **Professor Dr. Mohd Basyaruddin Abdul Rahman,**

FRSC, FIIAM, FASc Integrated Chemical BioPhysics Research Centre Department of  
Chemistry,  
Faculty of Science, Universiti Putra Malaysia, 43400 UPM Serdang, Selangor, Malaysia.  
Email : basya@upm.edu.my [Profile of the speaker is attached here.](#)



#### 10. **Muhammad Nawaz Tahir**

King Fahd University of Petroleum and Minerals,  
Kingdom of Saudi Arabia.

URL: <https://scholar.google.com/citations?user=TSgn60UAAAAJ&hl=en>



### 11. **Dr. Mohammed Ashraf Gondal**

Distinguished Professor, Senior Research Fellow KACARE

Coordinator Laser Research Group

Physics Department, King Fahd University of Petroleum & Minerals, Saudi Arabia

E-mail: [magondal@kfupm.edu.sa](mailto:magondal@kfupm.edu.sa)

Personal Webpage: <http://faculty.kfupm.edu.sa/PHYS/magondal>

[Profile of the speaker is attached here.](#)



### **Local Resource Persons**

#### 1. **Dr. N. M. Butt**

Professor of Nano Science & Technology &

Chairman, Preston Institute of Nano Science & Technology (PINSAT)

[Profile of the speaker is attached here.](#)



## 2. **Irshad Hussain (Focal Person, Technical)**

Professor of Chemistry (Functional Nanomaterials Group)  
Department Of Chemistry & Chemical Engineering,  
SBA School of Science & Engineering (SBASSE),  
Lahore University of Management Sciences (LUMS), Pakistan.

[https://lums.edu.pk/lums\\_employee/1922](https://lums.edu.pk/lums_employee/1922)

[Profile of the speaker is attached here.](#)



## 3. **Muhammad Raza Shah,**

Professor of Chemistry,  
Hussein Ibrahim Jamal (HEJ) Research Institute of Chemistry,  
International Center for Chemical & Biological Sciences (ICCBS),  
University of Karachi, Karachi.



<https://iccs.edu/page-hej-faculty?faculty-page=22>

Profile of the speaker is attached here.



**4. Muhammad Najam ul Haq**

Professor of Chemistry,

Bahauddin Zakariya University, Multan

URL: <https://scholar.google.com.pk/citations?user=fPKYGU8AAAAJ&hl=en>



**5. Muhammad Yar**

Associate Professor

Cluster Head Skin Tissue Engineering Group

Interdisciplinary Research Center in Biomedical Materials (IRCBM),

[COMSATS University Islamabad Lahore Campus](#) ,54000, Pakistan

[Profile of the speaker is attached here.](#)



1.

**Focal Person (Technical) for the workshop:** Prof. Dr. Irshad Hussain ([bio attached here](#))

**Focal Person (Program) for the workshop:** Ms. Khazima Muazim, Programme Manager  
COMSTECH