

## Scientific Program Day 1, (Wednesday; February 28, 2024)

<b>09:00-09:40Hrs</b>	<b>Registration of Participants</b>	
<b>Opening Session</b>		
<b>09:40-10:00Hrs</b>	<b>Guests to be Seated</b>	
<b>10:00-10:05Hrs</b>	<b>National Anthem</b>	
<b>10:05-10:10Hrs</b>	<b>Recitation of Holy Quran</b>	
<b>10:10-10:20Hrs</b>	<b>Welcome and Overview of the Conference</b>	<b>Prof. Moazur Rahman</b> Director CEMB & Chief Organizer
<b>10:20-10:30Hrs</b>	<b>Address of Vice Chancellor, University of the Punjab, Lahore</b>	<b>Prof. Khalid Mehmood</b> Vice Chancellor, University of the Punjab
<b>10:30-10:45Hrs</b>	<b>Genesis of CEMB</b>	<b>Prof. Sheikh Riazuddin</b> (Founding Director/CEMB Custodian)
<b>10:45-11:20Hrs</b>	<b>Comments from Eminent Scientists, Prestigious Guests and Experts</b>	<b>Prof. Shahid Baig, Prof. Muhammad Ali, Prof. Talat Naseer Pasha, Prof. Nasim Ahmad, Prof. M. Mazhar Ayaz, Dr. Naeem Khalid, Dr. Yusuf Zafar, Dr. Nazeer Hussain</b>
<b>11:20-11:30Hrs</b>	<b>Comments and Address by Guest of Honor</b>	<b>Mr. Asim Rauf</b> (CEO DRAP)
<b>11:30-11:40Hrs</b>	<b>Address by Guest of Honor</b>	<b>Prof. Ahsan Waheed Rathore</b> VC, University of Health Sciences
<b>11:40-11:50Hrs</b>	<b>Address by Chief Guest</b>	<b>Prof. Kauser Abdullah Malik</b> Federal Minister for National Food Security and Research
<b>11:50-12:20Hrs</b>	<b>Plenary Talk: Why is it important to monitor the quality of foot-and-mouth disease vaccines?</b>	<b>Prof. Donald King</b> Pirbright Institute, UK
<b>12:20-12:30Hrs</b>	<b>Distribution of Souvenirs and Group Photo</b>	
<b>12:30-13:30Hrs</b>	<b>Prayer and Lunch Break</b>	
<b>Technical Session I</b>		
<b>Chair: Prof. Shahid Mahmood Baig; Co Chair: Prof. Abdul Haq</b>		
<b>13:30-14:00Hrs</b>	<b>Plenary Talk: Vaccination strategies for selected poultry pathogens</b>	<b>Prof. Michael Hess</b> University of Veterinary Medicine, Austria
<b>14:00-14:20Hrs</b>	<b>Keynote Talk: Progression in indigenous vaccine development in poultry sector</b>	<b>Dr. Khalid Naeem</b> Grand Pharma
<b>14:20-14:40Hrs</b>	<b>Keynote Talk: Vaccines and biologics produced at Sindh Institute of Animal Health Karachi</b>	<b>Dr. Nazeer Hussain Kalhoro</b> Director General, Sindh Institute of Animal Health, Pakistan
<b>14:40-14:55Hrs</b>	<b>DRAP and its current operational approach</b>	<b>Dr. Zia Hussain</b> Additional Director DRAP / Chairman Gap Analysis Committee on VRIs / Chairman CALSD
<b>14:55-15:10Hrs</b>	<b>Opportunities and Challenges in Foot-and-Mouth disease vaccine development and commercialization in Pakistan</b>	<b>Dr. Wasim Abbas</b> Principal Scientific Officer National Institute for Biotechnology and Genetic Engineering (NIBGE)
<b>15:10-16:00Hrs</b>	<b>Tea break and Poster session</b>	
<b>Technical Session II</b>		
<b>Chair: Prof. Munir Iqbal; Co Chair: Prof. Cheng He</b>		
<b>16:00-16:30Hrs</b>	<b>Keynote Talk: DNA Vaccine: a promising vaccine platform for human and animal health</b>	<b>Dr. Budiman Bela</b> Universitas Indonesia

16:30-17:00Hrs	Preparation of bivalent nanoparticle vaccines for Influenza virus subtypes H1N1 and H3N2 and evaluation of its immunological effect in mice	<b>Prof. Jing-yu Wang</b> Northwest A&F University China
17:00-17:15Hrs	Outlook- Animal vaccines sector in Pakistan	<b>Dr. Sajjad Hussain</b> Veterinary Research Institute (VRI), Punjab
17:15-17:30Hrs	Production of Foot and Mouth Disease vaccine and its challenges in Pakistan	<b>Prof. Ali Raza Awan</b> University of Veterinary and Animal Sciences (UVAS), Lahore
17:30-18:00Hrs	Structure-based vaccine design. ( <i>Virtual Talk</i> )	<b>Prof. Jason McLellan</b> University of Texas, USA

## Scientific Program Day 2 (Thursday; February 29, 2024)

09:25-09:30Hrs	<b>Recitation of Holy Quran</b>	
9:30-10:00Hrs	<b>Plenary Talk</b> Multiple subunit vaccine induces highly immunity protection against waterfowl <i>Chlamydia psittaci</i> infection	<b>Prof. Cheng He</b> China-ASEAN Innovative Academy for Major Animal Disease Control, China
10:00-10:30Hrs	<b>Plenary Talk</b> Improving the efficiency of poultry vaccines	<b>Prof. Munir Iqbal</b> Pirbright Institute, UK
10:30-11:00	Development of the typhoid conjugate vaccine being used in the childhood vaccine programme in Pakistan. ( <i>Virtual Talk</i> )	<b>Prof. Sir Andrew Pollard</b> University of Oxford, UK
11:00-11:20Hrs	<b>TEA BREAK</b>	
<b>Technical Session III</b>		
<b>Chair: Prof. Michael Hess; Co Chair Dr. Muhammad Kashif Saleemi</b>		
11:20-11:50Hrs	Genotype VII of Newcastle disease virus. A global approach for a new vaccine. ( <i>Virtual Talk</i> )	<b>Dr. Farhid Hemmatzadeh</b> The University of Adelaide, Australia
11:50-12:15Hrs	Exploration of viral structural proteins for vaccine development	<b>Prof. Moazur Rahman</b> CEMB/SBS
12:15-12:30Hrs	Vaccine production setup at VRI Peshawar, its current status and future plan.	<b>Dr. Muhamad Ijaz Ali</b> Livestock and Dairy Development Department, KPK
12:30-12:45Hrs	Computational tools for bacterial protective antigen discovery	<b>Dr. Amjad Ali</b> National University of Sciences and Technology (NUST), Pakistan
12:45-13:45Hrs	<b>LUNCH &amp; PRAYER BREAK</b>	
<b>Technical Session IV</b>		
<b>Chair: Dr. Donald King; Co Chair Dr. Budimen Bela</b>		
13:45-14:15Hrs	mRNA manufacturing, and analytical development ( <i>Virtual Talk</i> )	<b>Dr. Saif ur Raisheed</b> BioCina, Australia
14:15-14:30Hrs	Current status of Vaccine Production in Baluchistan.	<b>Prof. Muhammad Shafee</b> CASVAB, University of Baluchistan
14:30-14:45Hrs	Development of vaccine against Peste-des-Petits Ruminant virus having ease of application and improved efficacy	<b>Dr. Salahudin Shah</b> Principal Scientific Officer National Institute of Agriculture and Biology (NIAB)
14:45-15:15Hrs	<b>Keynote Talk:</b> Important zoonotic diseases and vaccines	<b>Dr. Derya Karatas Yeni</b> Necmettin Erbakan University, Turkey

<b>15:15-15:30Hrs</b>	<b>Discussion on the upshot of the Vaccine Conference</b>	
<b>CLOSING CEREMONY</b>		
<b>Closing Session</b>		
<b>15:30-15:45Hrs</b>	<b>Guests to be Seated</b>	
<b>15:45-15:50Hrs</b>	<b>National Anthem</b>	
<b>15:50-15:55Hrs</b>	<b>Recitation of Holy Quran</b>	
<b>15:55-16:05Hrs</b>	<b>Overview of the Conference</b>	<b>Prof. Moazur Rahman</b> Director CEMB & Chief Organizer
<b>16:05-16:15Hrs</b>	<b>Comments of International Eminent Invited speakers</b>	
<b>16:15-16:35Hrs</b>	<b>Address by Chief Guest</b>	<b>Prof. Shahid Munir</b> Chairman Punjab Higher Education Commission (PHEC)
<b>16:35-16:40Hrs</b>	<b>Vote of Thanks</b>	
<b>16:40-16:50Hrs</b>	<b>Distribution of Souvenirs and Group Photo</b>	
<b>Refreshment</b>		