

19th IBCAST 2022: Biosciences (BS)

(16 – 19 August 2022)

Tentative Technical Program

Updated on:
August 4, 2022

Day 1: August 16, 2021

	9:00 - 12:30	Registration	
	12:30 - 2:00	Lunch Break	
Opening Message	2:00 - 2:10	Welcome address by Program Coordinator	Prof. Dr. Saifullah Khan <i>Centre of Excellence in Science & Applied Technology (CESAT), Islamabad, Pakistan</i>
Invited Talk	2:10 - 2:50	Mathematical models for analysis of Covid-19 pandemic	Prof. Dr. M. Rafiq <i>University of Central Punjab, Lahore, Pakistan</i>
	2:50 - 3:30	Preliminary animal trials of candidate DNA vaccine(s) against COVID-19	Dr. Nadia Jamil <i>CESAT, Islamabad Pakistan</i>
	3:30 - 4:00	Tea Break	
Invited Talk	4:00 - 4:45	Will be updated soon.	Prof Dr. Tahir Yaqoob <i>University of Veterinary and Animal Sciences (UVAS), Lahore, Pakistan.</i>
Plenary Session I Chair: Prof. Dr. Waseem Akram	4:45 - 5:30	BS-719: In-silico and in-vitro studies on candidate DNA vaccine constructs for SARS-CoV-2	Mr. Shezaib Siddiqui <i>CESAT, Islamabad Pakistan</i>
		BS-100: Computationally efficient numerical analysis for Hanssen's disease dynamics	Mr. M. Sarwar Ehsan <i>University of Central Punjab, Paksitan</i>
		BS-708: Dengue and COVID-19 co-infection: A real problem, and concurrent control management	Ms. Farhat Jabeen <i>University of Agriculture, Faisalabad</i>

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Day 2: August 17, 2022

Invited Talk	9:00 – 9:45	Development of Molecular Markers for the screening of mastitis resistant animals.	Prof. Dr. Sehrish Firyal <i>University of Veterinary and Animal Sciences (UVAS), Lahore, Pakistan.</i>
	9:45 – 10:30	Will be updated soon.	Dr. M. Suleman Rana <i>National Institute of Health (NIH), Islamabad, Pakistan</i>
10:30 - 11:00		Tea Break	
Plenary Session II Chair: Prof. Dr. Tahir Yaqub	11:00 - 12:30	BS-608: Detection of SARS-CoV-2 by RT-LAMP assay in Human COVID-19 patients	Mr. Waqas Rafique Ali <i>University of Agriculture, Faisalabad</i>
		BS-859: Development and comparison of Indigenous Biosafe Molecular Transport Medium (IMTM) with commercial transport media for detection of SARS COV 2 samples	Ms. Tayab un Nisa <i>CESAT, Islamabad Pakistan</i>
		BS-860: Evaluation of routinely used virus inactivation temperature and UV exposure on the stability of SARS-CoV-2	Mr. Mujtaba Baber <i>CESAT, Islamabad Pakistan</i>
		BS-423: Molecular Detection of mecA gene in Methicillin – Resistant Staphylococcus aureus isolated from clinical specimens	Ms. Maham Akram <i>University of the Punjab, Lahore</i>
		BS-668: First report on successful hand rearing of lion cubs at Lahore Zoological Garden, Pakistan	Dr. Madiha Ashraf <i>Lahore Zoological Garden</i>
12:30 - 2:00		Lunch Break	
Invited Talk	2:00 - 2:45	Association between chronic inflammation and diseases	Prof. Dr. Aqeel Ahmed <i>Salim Habib University, Karachi</i>

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Plenary Session III Chair Dr. Faiz Muhammad	2:45 - 3:30	BS-861: An efficient and reliable diagnosis approaches for re-positive and asymptomatic COVID-19 patients via combinatory diagnostics assessing URT specimens.	Dr. Ashaq Ali <i>CESAT, Islamabad Pakistan</i>
		BS-536: Validation of indigenous LAMP detection kit for SARS-COV-2 molecular screening	Mr. Waqar Hassan <i>CESAT, Islamabad Pakistan</i>
	3:30 - 4:00	Tea Break	
Invited Talk	4:00 - 4:45	Will be updated soon.	Prof. Dr. Bushra Jamil <i>The Aga Khan University, Karachi Pakistan</i>
	4:45 - 5:30	Sensor Based Technologies	Prof Dr. Xianen Zhang <i>Wuhan Institute of Virology, China</i>

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Day 3: August 18, 2022

Invited Talk	9:00 – 9:45	Dengue a serious health burden: Surveillance to management through a more advanced system tracking system	Prof. Dr. Waseem Akram <i>Agriculture University Faisalabad Pakistan</i>
	9:45 – 10:30	Immunoglobulin development for COVID-19	Prof. Dr. Shaukat Ali <i>CESAT, Islamabad Pakistan</i>
	10:30 - 11:00	Tea Break	
Plenary Session IV Chair: Dr. Aqeel Ahmed	11:00 - 12:30	BS-837: Evaluation of indigenously developed Quick Test Strip (QTS-24) with foreign compatible product (API-20E)	Ms. Noor Afshan <i>CESAT, Islamabad Pakistan</i>
		BS-74: Drug repurposing for SARS-COV-2 using molecular docking	Mr. Imran Aqeel <i>Pakistan Institute Of Engineering And Applied Sciences</i>
		BS-756: Prevalence, bacteriology and antimicrobial susceptibility of bacteria associated with bovine mastitis in cattle and buffaloes of Khyber Pakhtunkhwa in year 2020-21	Dr. Tariq Ali <i>Veterinary Research Institute, Peshawar</i>
		BS-209: Evaluation of Aspergillus terreus as a potential candidate for starch based industries	Dr. Saba Sana <i>UVAS, Lahore Pakistan</i>
		Indigenou development of paper based immunodiagnostic kit using N-gene for COVID-19	Dr. Khalida Iqbal <i>CESAT, Islamabad Pakistan</i>
		BS-724: Data mining and protein interaction studies to prioritize potential drug targets against carbapenem resistant Klebsiella pneumoniae	Dr. Faiza Jamil <i>Dr. Panjwani Center for Molecular Medicine and Drug Research, ICCBS, University of Karachi</i>
	12:30 - 2:00	Lunch Break	

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Invited Talk	2:00 - 2:45	Development of chloroplast based COVID-19 vaccine	Dr. M. Waqar Hameed <i>CESAT, Islamabad Pakistan</i>
Plenary Session V Chair: Prof. Dr. Muhammad Ali	2:45 - 3:30	BS-355: Doxorubicin-loaded hybrid gold nanoparticles based remedy for ovarian carcinoma	Mr. Abdul Basit <i>Department of Electronic Engineering, International Islamic University, Islamabad, Pakistan</i>
		BS-742: Preparation and topographical studies of various biological specimens using alternate method to critical point drying: Scanning Electron Microscopy	Mr. Najeeb Ullah <i>CESAT, Islamabad Pakistan</i>
		BS-561: Co-processed excipients-A step towards better drug product performance	Ms. Sehar Iqtidar <i>Jinnah University for Women, Karachi</i>
	3:30 - 4:00	Tea Break	
Invited Talk	4:00 - 4:45	Will be updated soon.	Prof. Dr. Joy Fleming <i>Chinese Academy of Sciences, China</i>
	4:45 - 5:30	Possible therapeutic strategies of sulfur mustard poisoning	Prof Dr. Mostafa Ghanei <i>Member OPCW / Biotechnology Council, Iran</i>

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Day 4: January 19, 2022

Invited Talk	9:00 – 10:20	Development of monoclonal antibodies	Dr. Moazam Khan <i>Switzerland</i>
		Will be updated shortly.	Prof Dr. Hongtu Liu <i>National Institute for Viral Disease Control and Prevention, China CDC</i>
		Emerging & Re-emerging infectious diseases	Prof. Dr. Muhammad Ali <i>Quaid-e-Azam University, Islamabad, Pakistan</i>
	10:20 – 10:30	Closing Remarks	Prof. Dr. Saifullah Khan <i>Centre of Excellence in Science & Applied Technology (CESAT), Islamabad, Pakistan</i>
	10:30 – 11:00	Tea Break	
	11:00 – 12:40	Closing Ceremony	
	12:40 – 2:00	Lunch Break	
	2:00 – 5:30	Departure to Islamabad	