



SCIENTIFIC PROGRAMME OF INTERNATIONAL EGE-AGEM VACCINE SYMPOSIUM

September 1-2, 2022



September 1

09:00-09:30	Registration
09:30-10:00	Opening Talks Adnan Yüksel GÜRÜZ, Ph.D., Prof. <i>Director of EGE-AGEM</i>
10:00-10:15	Coffee Break
10:15-11:30	Moderators: Adnan Yüksel GÜRÜZ, M.D., Ph.D., Prof.
10:15-10:30	History of Vaccine Technology Adnan Yüksel GÜRÜZ, M.D., Ph.D., Prof. <i>Ege University Faculty of Medicine, Department of Parasitology Ege University Vaccine Development Application and Research Center</i>
10:30-10:45	COVID-19 DNA Vaccine Platform Mert DÖŞKAYA M.D., Ph.D., Assoc. Prof. <i>Ege University Faculty of Medicine, Department of Parasitology Ege University Vaccine Development Application and Research Center</i>
10:45-11:00	DNA vaccines against Parasitic Infections ^{1,2} Muhammet KARAKAVUK (Ph.D., DVM) and ^{2,3} Hüseyin CAN (Ph.D., Assoc. Prof.) <i>¹Ege University Odemis Vocational School ²Ege University Vaccine Development Application and Research Center ³Ege University Faculty of Science Department of Biology Molecular Biology Section</i>
11:00-11:15	Development of DNA Vaccines against SARS-CoV-2 Aytül GÜL, MSc <i>Ege University Faculty of Engineering Department of Bioengineering Ege University Vaccine Development Application and Research Center</i>
11:15-11:30	mRNA Vaccines against Parasitic Infections Hüseyin CAN, Ph.D., Assoc. Prof. <i>Ege University Faculty of Science Department of Biology Molecular Biology Section, Ege University Vaccine Development Application and Research Center</i>
11:30-12:00	Coffee Break
12:00-13:15	Moderator: Gülten KANTARCI, Ph.D., Prof.
12:00-12:15	Potential of extracellular vesicles as vaccines Mustafa KOTMAKÇI Ph.D., Assoc. Prof. <i>Department of Pharmaceutical Biotechnology, Faculty of Pharmacy, Ege University</i>
12:15-12:30	The Role of the Resident Memory T-cells in Immune Response and Vaccine Studies Hasan AKBABA, Ph.D., Assoc. Prof. <i>Department of Pharmaceutical Biotechnology, Faculty of Pharmacy, Ege University</i>
12:30-12:45	Formulation and Stability Aspects of the BioNTech Vaccine comirnaty Yücel BAŞPINAR, Ph.D., Assoc. Prof. <i>Department of Pharmaceutical Biotechnology, Faculty of Pharmacy, Ege University</i>
12:45-13:00	Immune Checkpoint Gene Knockout Phenomenon as a Potential Anticancer Vaccine Gülşah EREL AKBABA, Ph.D., Assoc. Prof. <i>Department of Pharmaceutical Biotechnology, Faculty of Pharmacy, Izmir Katip Çelebi University</i>
13:00-13:15	Cancer Vaccines Bilge DEBELEC BÜTÜNER, Ph.D., Assoc. Prof. <i>Department of Pharmaceutical Biotechnology, Faculty of Pharmacy, Ege University</i>
13:15-14:45	Lunch
14:45-16:00	Moderator: Cemal ÜN, Ph.D., Prof.
14:45-15:00	Biostatistics techniques used in vaccine development Şengül CAN, Ph.D. <i>Computer Research and Application Center, Manisa Celal Bayar University, Manisa, Turkey</i>
15:00-15:15	Transmission-blocking antigens in the development of vaccines against arthropod vector-borne diseases Ahmet Efe KÖSEOĞLU, Ph.D., Asst. Prof. <i>Biruni University, Faculty of Engineering and Natural Sciences, Department of Molecular Biology and Genetics, Istanbul, Turkey</i>
15:15-15:30	Strains and plasmids commonly used in vaccines based on Saccharomyces cerevisiae Tuğba KARAKAVUK, BSc <i>Ege University, Institute of Science, Department of Biotechnology, Ege University Vaccine Development Application and Research Center</i>
15:30-15:45	Immune response induced by vaccines against parasitic agents Aysu DEĞİRMENCİ DÖŞKAYA M.D., Ph.D., Assoc. Prof. <i>Ege University Faculty of Medicine, Department of Parasitology Ege University Vaccine Development Application and Research Center</i>
15:45-16:00	COVID-19 Vaccines Seren KAPLAN, BSc <i>Ege University Vaccine Development Application and Research Center</i>

September 2

10:15-11:00	Moderator: Mert DÖŞKAYA, M.D., Ph.D., Assoc. Prof.
10:15-10:30	Anti-Vaccination: History and Reasons Sedef ERKUNT ALAK, Ph.D., <i>Ege University Vaccine Development Application and Research Center</i>
10:30-10:45	Backbone of Plasmid DNA vaccines Ceren GÜL, BSc <i>Ege University, Institute of Science, Department of Biotechnology, Ege University Ege University Vaccine Development Application and Research Center</i>
10:45-11:00	RNA Vaccines ¹ İrem YAVUZ and ² Ülcan MANAV <i>¹Trakya University, Faculty of Engineering, Genetics and Bioengineering Department, Edirne, Turkey ²Ege University, Faculty of Science, Biology Department, Bornova, Izmir, Turkey</i>
11:00-11:45	Coffee Break
11:45-12:30	Moderator: Hüseyin CAN, Ph.D., Assoc. Prof.
11:45-12:00	DNA Vaccines ¹ Öykü KERİMOĞLU and ¹ Ece OKUR <i>¹Ege University Faculty of Engineering Department of Bioengineering</i>
12:00-12:15	Importance of Bioinformatics in Vaccine Development Ege AMİRAC <i>Uludağ University Faculty of Science Department of Biology Molecular Biology Section</i>
12:15-12:30	Virus-Like Particle (VLP)-based Vaccines ¹ Dila ÇINAR and ¹ Berfin ULUÇ <i>¹Ege University Faculty of Engineering Department of Bioengineering</i>
12:30-14:00	Lunch
14:00-13:45	Moderator: Muhammet KARAKAVUK, Ph.D., DVM
14:00-14:15	Protein Based Vaccines ¹ Simge BURGAZ and ² Beyza AKAL <i>¹Ege University, Faculty of Science, Biology Department, Bornova, Izmir, Turkey ²Uşak University, Faculty of Science, Molecular Biology and Genetics, Uşak, Turkey</i>
14:15-14:30	Use of Lipid-Based Formulations in Vaccines ¹ Esra ERSEVEN and ¹ İpek Sena KOÇ <i>¹Ege University Faculty of Engineering Department of Bioengineering</i>
14:30-14:45	Adeno-viral vector vaccines ¹ Bengisu ÇELİK and ¹ Fatma Rabia ÇAKICI <i>¹Izmir University of Economics, Faculty of Engineering, Genetics and Bioengineering</i>
14:45-15:00	Use of nano-formulations in vaccines ¹ Nefise YILMAZ and ² Sude ŞARU <i>¹Ege University, Faculty of Science, Department of Biochemistry, Izmir, Turkey ²Ege University, Faculty of Engineering, Department of Bioengineering, Izmir, Turkey</i>
15:00-15:15	Immunoinformatics in Vaccine Development ¹ Hasan Doruk BİÇER and ² Selin KOÇ <i>¹Ege University, Vaccine Development Application and Research Center, Izmir, Turkey ²Izmir University of Economics, Faculty of Engineering, Genetics and Bioengineering</i>
15:15-15:30	Coffee Break
15:30-16:00	Award Ceremony and Closing

