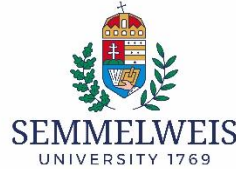




BIOSAFETY Project Meeting and Final Conference

2023 July 10-11,



Meeting Program

July 10-11, 2023

≈ Location: Béla Johann auditory, NET Campus, floor 21., Semmelweis University≈
Budapest, Nagyvárad tér 4.

- 09:30 – 09:40 Dr János Szebeni
Welcome and introduction
- 09:30 – 10:00 János Szebeni, Semmelweis University, Nanomedicine Research and Education Centre, Institute of Translation Medicine, Budapest, Hungary
Allergic reactions to state-of-art injectable medicines: The role of anti-PEG antibodies
- 10:00 – 10:30 Jiong-Wei Wang, National University of Singapore, Singapore
mRNA runs beyond the muscle following intramuscular administration of of LNP-based mRNA vaccines
- 10:30 – 11.00 Domokos Mathe, CROmed Translational Research Centers Ltd., Budapest, Hungary
Now you see me now you don't: difficulties of detection and properties of SCV-2 Spike protein persistence. A BSL-3 prelude animal study and a review of clinical parhology results
- 11:00 – 11:15 Coffee Break
- 11:15 – 11:45 Gert Storm, Utrecht University, Utrecht, The Netherlands
Role of liposomes in clinical nanomedicine development
- 11:45 – 12:15 János Nacsa, Hungarian National Blood Transfusion Service, Budapest, Hungary
What Makes SARS-CoV-2 Convalescent Plasma Administered in Time?
- 12:15 – 12:45 Josh Jackman, School of Chemical Engineering and Translational Nanobioscience Research Center, Sungkyunkwan University, Suwon, Korea
Modulating Complement Activation at Biofunctionalized Interfaces: From Lipid Membranes and Nanomaterials to Blood Filter Devices



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12:45 – 13:15 László Dézsi, Semmelweis University, Institute of Translation Medicine, Budapest, Hungary
Use of the porcine CARPA model to study the anaphylactic reactions to mRNA vaccines:

13:15 – 14:00 Lunch brake

14:00 – 16:30 Orsolya Kotnyek, Semmelweis University, Katja Bierau, Pilotality
Project management discussion: tasks, deliverables, reporting

Day 2

09:00 – 09:30 Luigi Aurisicchio, Takis Biotech, Rome, Italy
The promise of DNA-based vaccines: the example of COVID-eVax

09:30 – 10:00 Gábor Szénási, Semmelweis University, Institute of Translation Medicine
Safety prediction of nanodrugs in rodents focusing on the mechanisms of action

10:00 – 10:30 Bálint Barta, Semmelweis University, Heart and Vascular Centre, Budapest, Hungary
The Comirnaty COVID-19 mRNA vaccine causes anaphylaxis in an anti-PEG antibody hyperimmune large animal model

10:30 – 11:00 Gergely Milosevits, Semmelweis University, Nanomedicine Research and Education Centre, Institute of Translation Medicine, Budapest, Hungary
Complement-mediated hypersensitivity reactions to an amphotericin B-containing lipid complex (Abelcet) in pediatric patients and anesthetized rats: Benefits of slow infusion

11:00 – 11:45 Coffe break

11:45 – 12:30 Isabelle Thomas, TECODevelopment, Germany
Quality Management and Quality Control for Biosafety

12:30 – 13:00 Nadja Prang, TECOBioscience, Germany
Aggregation as potential cause of unwanted immune responses and methods to monitor structural alterations in biologicals

13:00 – 14:00 Lunch break

14:00 – 15:00 Janos Szebeni, Gábor Szénási, László Dézsi
Visits of Immunological laboratory and small animal facilities

15:00 Janos Szebeni
Closing Remarks