# Poster Presentations

1. **Supramolecular conjugate of superoxide dismutase with catalase against oxidative injury of vascular wall**  
   Alexander Maksimenko, National Medical Research Center for Cardiology, Russia

2. **Mechanisms of enhanced non-viral gene delivery to human mesenchymal stem cells induced by glucocorticoid priming**  
   Angela K. Pannier, University of Nebraska-Lincoln, USA

3. **Use of a three-dimensional in vitro alginate hydrogel culture model to direct zonal formation of growth plate cartilage**  
   Angela K. Pannier, University of Nebraska-Lincoln, USA

4. **One-step assembly of organophosphorus hydrolase and affinity peptide on phage and its application on biosensor**  
   An-Yu Chen, National Taiwan University of Science and Technology, Taiwan

5. **Designing and utilizing synthetic extracellular matrices to probe breast cancer cell activation in response to microenvironment cues**  
   April M. Kloxin, University of Delaware, USA

6. **Microfluidic acini-on-chip platforms as a tool to study bacterial lung exposure**  
   Arbel Artzy-Schnirman, Technion – Israel Institute of Technology, Israel

7. **Tropoelastin coated PLLA-PLGA scaffolds promote vascular network formation**  
   Ariel A. Szklanny, Technion – Israel Institute of Technology, Israel

8. **Engineered nanotherapeutics for pulmonary aerosol delivery**  
   Catherine Fromen, University of Delaware, USA

9. **Modular control of innate immune signaling using self-assembly of immune signals**  
   Christopher Jewell, University of Maryland, USA

10. **Activation of mesenchymal stem cells for ischemic tissue repair**  
    Eunice Leong Jiayu, University of Illinois at Urbana-Champaign, USA

11. **A microfluidic platform with permeable walls for the analysis of vascular and extravascular mass transport**  
    Hilaria Mollica, Italian Institute of Technology, Italy

12. **Engineering surface of stem cells for targeted delivery and tracking**  
    Jye Yng Teo, University of Illinois at Urbana-Champaign, USA

13. **Targeted drug delivery in arterial stenosis - role of hemodynamics**  
    Moran Levi, Technion – Israel Institute of Technology, Israel

14. **Study cellular responses at the microscale by creating heterogeneity in cultured cells using a microfluidic probe**  
    Nadia Enriquez Casimiro, IBM Research - Zurich, Switzerland

15. **Synthetic cells synthesize therapeutic proteins inside tumors**  
    Nitzan Krinsky, Technion – Israel Institute of Technology, Israel
16. Composite biosurfactant loaded lyophilised wafer dressings for potential chronic wound healing
   Olufunke Akiyode, University of Greenwich, United Kingdom

17. Controlled EGFR ligand display for tunable targeted intracellular delivery of cancer suicide enzymes
   Rachel Lieser, University of Delaware, USA

18. Development of a collagen-based scaffold for sequential delivery of antimicrobial agents and pdgf genes to chronic wounds
   Raj Kumar Thapa, University of Delaware, USA

19. Fast-MAVEN a fast de novo method for antibody variable parts engineering for a zika antigen epitope
   Ratul Chowdhury, Pennsylvania State University, USA

20. Synthesis of zwitterionic-functionalized conjugated nanoparticles for targeted drug delivery applications
   Renato Auriemma, Politecnico di Milano, Italy

21. True-scale biomimetic multi-generation airway platforms of the human bronchial epithelium for in vitro cytotoxicity screening
   Shani Elias-Kirma, Technion – Israel Institute of Technology, Israel

22. SiO2 nanoparticles as a carrier to overcome the cellular delivery of nucleotide drugs
   Svetlana Vasilyeva, Siberian Branch of the Russian Academy of Sciences, Russia

23. Polyester-based excipients to formulate lipophilic drugs into nanoparticles directly at the bed of the patient
   Umberto Capasso Palmiero, Politecnico di Milano, Italy

24. Neutrophil-particle interactions in blood circulation drive particle clearance and alter neutrophil responses in acute inflammation
   William J. Kelley, University of Michigan, USA

25. Adhesion kinetics of functionalized nano-particles under high shear conditions
   Yathreb Assad, Technion – Israel Institute of Technology, Israel

26. Developing an inexpensive and effective cadmium bioassay
   Zih-Syuan Chen, National Taiwan University of Science and Technology, Taiwan