

Program

Wednesday
June 12, 2019

08:30-9:00 WELCOME RECEPTION

SESSION 1

- 09:00-9:05 _____ **Welcome**
Roy Kishony, *Director, Lokey Center*
- 09:05-9:15 _____ **Opening greetings**
Prof. Peretz Lavie, *President of the Technion*
- 09:20-10:00 _____ **Gordon Keller** _____ **Modeling Human Cardiovascular Development With Pluripotent Stem Cells**
- 10:00-10:25 _____ **Lior Gepstein** _____ **Human Pluripotent Stem Cell Derived Cardiac Tissues: Implications for Cardiovascular Regenerative and Precision Medicine**
- 10:25-10:50 _____ **Adam Feinberg** _____ **Advanced Biofabrication to Rebuild the Human Heart**

10:50-11:50 COFFEE BREAK & POSTER SESSION

SESSION 2

- 11:50-12:30 _____ **Sefton Michael** _____ **Medicine by Design: Preparing the Ground for Endogenous Repair**
- 12:30-12:55 _____ **Shulamit Levenberg** _____ **Three-dimensional bioprinting for Engineering Perfusable Vascularized Tissues**
- 12:55-13:20 _____ **Yaron Fuchs** _____ **Beyond Death: Novel functions of Caspase-3 in Tissue Regeneration**

13:20-14:30 LUNCH BREAK & POSTER SESSION

SESSION 3

- 14:30-15:10 _____ **Gordana Vunjak-Novakovic** _____ **Engineering Human Tissues for Medical Impact**
- 15:10-15:35 _____ **Mathias Lutholf** _____ **Engineering Organoid Development**

15:35-16:00 COFFEE BREAK

SESSION 4

- 16:00-16:25 _____ **Marcelle Machluf** _____ **The Crosstalk between ECM and Stem Cells Affect their Therapeutic Outcome**
- 16:25-16:50 _____ **Ruby Shalom- Feuerstein** _____ **Stem Cell Dynamics, Differentiation and Recovery from Total Stem Cell Loss**
- 16:50-17:05 _____ **3 selected short talks**

17:30-22:00 SPEAKER TOUR. DINNER AND BEIT SHE'ARIM

Thursday
June 13, 2019

08:30-9:00 WELCOME RECEPTION

SESSION 5

- 09:00-09:40 ___ **Cato Laurencin** ___ Regenerative Engineering: The Future of Tissue Regeneration
- 09:40-10:05 ___ **Smadar Cohen** ___ Biomaterials strategies for modulation of cardiac fibrosis and cardiac repair
- 10:05-10:30 ___ **Sara Heilshorn** ___ Protein Engineering of Multi-functional Biomaterials for Regenerative Medicine

10:30-11:30 COFFEE BREAK & POSTER SESSION

SESSION 6

- 11:30-12:00 ___ **Michele De Luca** ___ Regeneration of the Epidermis in Epidermolysis Bullosa Using Transgenic Stem Cells
- 12:00-12:25 ___ **Benjamin Reubinoff** ___ Human Embryonic Stem Cells - From the Bench to a Clinical Transplantation Trial in Retinal Degeneration
- 12:25-12:50 ___ **Anthony Weiss** ___ Soluble Matrix Protein is a Potent Modulator of Mesenchymal Stem Cell Performance
- 12:50-13:15 ___ **Benjamin Dekel** ___ Regenerating the Kidney

13:15-14:00 LUNCH BREAK

SESSION 7

- 14:00-14:40 ___ **Mark Tuszynski** ___ Bioengineered Scaffolds for Central and Peripheral Axon Regeneration
- 14:40-15:05 ___ **Nissin Benvenisty** ___ Haploid Human Embryonic Stem Cells: Derivation and Applications
- 15:05-15:30 ___ **Allon Klein** ___ Analysis of Single Cells and Lineages in Tissue Differentiation

15:30-15:45 COFFEE BREAK

SESSION 8

- 15:45-16:10 ___ **Yuval Shaked** ___ The Contribution of Therapy-Educated Host Cells to Tumor Regeneration
- 16:10-16:35 ___ **Tal Dvir** ___ Engineering Personalized Tissue Implants: from 3D Printing to Bionic Organs
- 16:35-16:50 ___ **3 selected short talks**

16:50-17:15 WINNING POSTER ANNOUNCEMENT AND CONCLUDING REMARKS
