

I&EC Fellow: Symposium in honor of Nicholas Peppas (Invited)

Sunday, March 31, 2019

Room W224F, Orange County Convention Center

Morning Session

K. Matyjaszewski, Organizer

S. K. Mallapragada, Organizer, Presiding

8:00 Introductory Remarks

8:10 Diffusion in Glassy and Rubbery Polymers: A Rich Field of Chemical Engineering Problems. **Nicholas Peppas**

8:50 Biofabrication Strategies for Complex Tissue Regeneration. **Antonios Mikos**, S.M. Bittner, L.A. Diaz Gomez

9:30 Intermission

9:45 Hybrid Materials by ATRP. **Kris Matyjaszewski**

10:25 Crystallization Pathways for Protein Crystals and Colloidal Assemblies. **Sharon Glotzer**, S.Lee, E. Teich, M. Engel, J. Glaser

Afternoon Session

S. K. Mallapragada, Organizer

K. Matyjaszewski, Organizer, Presiding

1:30 Understanding and Overcoming Biological Barriers for Drug Delivery. **Samir Mitragotri**

2:10 Clicking Polymer Networks Together: Approaches to Form Smart, Functional Polymers from Click Chemistry. **Chris Bowman**

2:50 Lessons in Biomaterials Translation: Shifting tides in regenerative medicine. **Jennifer Ellisseff**

3:30 Intermission

3:45 Molecular Simulation Design Framework (MoSDeF): An Open-Source Software Environment for Computational Screening of Soft Matter Systems. **Peter Cummings**

4:25 Self-assembly Pathways for Metamaterials Design. **Surya Mallapragada**

5:05 Concluding Remarks