2nd International Conference on Epithelial Technologies and Tissue Engineering (ICETTE)
April 2-4, 2006,
Marriott Crystal Gateway, Washington, D.C.

Conference Preliminary Schedule

*Lectures to take place in Salon C of the Grand Ballroom, unless otherwise indicated*

**Sunday, April 2, 2006**

2 – 6 pm  Registration

**Tutorial Session on Epithelial Biology**

*Salon C of the Grand Ballroom*

3 – 5 pm  Epithelial Biology: Current Concepts and Emerging Challenges
Richard Presland, *University of Washington*

6 – 8 pm  Opening reception and Poster Session
*Salon D—G, Grand Ballroom*

**Monday, April 3, 2006**

7:30 – 8:00  Continental Breakfast
8:00 – 5:00  Registration

**Session 1: Fundamental Discoveries in Epithelial Biology**

8:00 – 8:20 am  Technologies, Tissue Engineering and Epithelial Cells: An Introduction to ICETTE II
Buddy D. Ratner, *University of Washington*

8:25 – 9:05 am  Controlling Epithelial Stem Cell Differentiation on Synthetic Interfaces
Ceci Giachelli, *University of Washington*

9:10 – 9:50 am  Regenerative Medicine: New Approaches in Health Care for the 21st Century
Anthony Atala, *Wake Forest University*

9:55 – 10:10 am  Coffee Break

**Session 2: Scaffolds & Bioreactors for Epithelial Tissues**

10:15 – 10:55 am  Developing Thermoplastic Elastomers for the Engineering of Soft Tissue
William Wagner, *University of Pittsburgh*

11:00 – 11:40 pm  Effect of Chemical and Physical Surface Modification on Cell Adhesion on Synthetic Scaffolds
K.S. Chian, *Nanyang Technological University*
Monday, April 3, 2006 continued

11:45 – 12:15 pm  Bioreactors for Esophageal Tissue Engineering
Alastair Ritchie, Nanyang Technological University

12:20 – 12:40 pm  Adhesion Contact Dynamics of Porcine Esophageal Fibroblasts on Extra-cellular Matrix Protein-immobilized Polylactic Acid Surface
Vincent Chan, Nanyang Technological University.

12:45 – 1:45 pm  Lunch on your own

Session 3: Corneal Tissue Engineering

1:50 – 2:30 pm  Corneal Tissue Engineering: Are We There Yet?
May Griffith, The Ottawa Hospital

2:35 – 3:15 pm  The Impact of the Cell Source in the Reconstruction of Skin and Cornea by Tissue Engineering for Regenerative Medicine
Lucie Germain, Laval University

3:20 – 3:35 pm  Coffee Break

3:40 – 4:00 pm  Ex-vivo Generation of Corneal Epithelial Cell Layers on Temperature Responsive Polymer Surfaces
Sariah Khormaei, University of Washington

Session 4: Skin Tissue Engineering

4:05 – 4:45 pm  Contributions of Fibroblasts and Keratinocytes to the Healing of Chronic Skin Wounds
Jonathan Mansbridge, Smith and Nephew Wound Care

4:50 – 5:10 pm  The Effect of Gelatin-C6S-HA Biomatrices on Skin Regeneration: An in vivo Study
Tzu-Wei Wang, Institute of Biomedical Engineering, NTU

5:30 – 7:00 pm  Poster session and reception
Salon D—G, Grand Ballroom

Tuesday, April 4, 2006

7:30 – 8:00  Continental Breakfast
8:00 – 3:30  Registration

Session 1: Esophageal Tissue

8:00 – 8:40 am  Angiogenesis: A Substantial Challenge in Tissue Engineering and Regenerative Medicine
Buddy Ratner, University of Washington
Tuesday, April 4, 2006 continued

8:45 – 9:25 am  Esophageal Reconstruction Using Principles of Regenerative Medicine  
Steven Badylak, University of Pittsburgh

9:30 – 9:50 am  Regenerative Medicine in Esophageal Endoscopic Mucosal Resection (EMR)  
Yoshio Hori, TUBERO, Tohoku University

9:55 – 10:10 am  Coffee Break

Session 2: Gut and Digestive Tract Tissue

10:15 – 10:55 pm  Tissue Engineering for the Treatment of Intestinal Failure  
Stephen Kim, Children’s Hospital and Medical Center

11:00 – 11:40 pm  Evaluation of Bio-engineered Intestinal Mucosa In Vivo  
Matthias Stelzner, VA Greater Los Angeles

11:45-12:45 pm  Lunch on your own

Session 3: Tissue Engineering: Vision and Innovations

12:50 – 1:30 pm  Bioengineered Tissues and Organs: The Science, the Technology, and the Future  
Robert Nerem, Georgia Institute of Technology

1:35 – 2:15 pm  Advances in Cell Printing: Simultaneous Printing of Cells and Materials to Build 3D Structures with Well Defined Architectures  
Thomas Boland, Clemson University

2:20 – 3:00 pm  Emerging Rules in Organ Regeneration  
Ioannis V. Yannas, Massachusetts Institute of Technology

Symposium Ends