

**ADVANCES IN
CONTROLLED RELEASE TECHNOLOGY**

July 13-17, 2009

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|-----------|---------------|--|--|-------------|
| Monday | 8:45 – 10:00 | | Overview & Regulatory considerations | R. Langer |
| July 13th | 10:00 - 10:30 | | <i>Coffee Break</i> | |
| | 10:30 – 12:00 | | Fundamentals of polymer science | N. Peppas |
| | 12:00 – 1:15 | | Lunch | |
| | 1:15 – 2:45 | | Diffusion in polymers and applications in the development of controlled release systems | N. Peppas |
| | 2:45 – 3:15 | | <i>Coffee Break</i> | |
| | 3:15 - 4:45 | | Matrix systems | R. Langer |
| Tuesday | 8:15 - 9:45 | | Solvent-activated controlled release systems | N. Peppas |
| July 14th | 9:45 - 10:15 | | <i>Coffee Break</i> | |
| | 10:15 – 11:45 | | Mucoadhesion and bioadhesion: Mechanisms, experimental techniques and development of new systems | N. Peppas |
| | 11:45 - 1:15 | | Lunch | |
| | 1:15– 2:45 | | Nanotechnology and drug delivery: Ideas for future research.... | N. Peppas |
| | 2:45-3:15 | | <i>Coffee Break</i> | |
| | 3:15-5:00 | | Factors that control micro/nano particulate drug delivery | F. Szoka |
| Wednesday | 8:15 - 9:45 | | Liposome – their evolution from a model biomembrane..... | F. Szoka |
| July 15th | 9:45 - 10:15 | | <i>Coffee Break</i> | |
| | 10:15-11:45 | | Gene therapy | F. Szoka |
| | 11:45-1:15 | | Lunch | |
| | 1:15-2:45 | | Patents | R. Langer |
| | 2:45 - 3:15 | | <i>Coffee Break</i> | |
| | 3:15-5:15 | | Transdermal systems; Externally regulated systems | R. Langer |
| Thursday | 8:15 - 9:45 | | Implants, aerosols, inserts,... | R. Langer |
| July 16th | 9:45 - 10:15 | | <i>Coffee Break</i> | |
| | 10:15 - 12:15 | | Protein stability | A. Klibanov |
| | 12:15 - 1:30 | | Lunch | |
| | 1:30-3:15 | | Lab demonstrations by Dr. Langer's research group | |
| Friday | 8:15 - 9:45 | | Examples of fabrication procedures used in the preparation of... | F. Harris |
| July 17th | 9:45 - 10:15 | | <i>Coffee Break</i> | |
| | 10:15 - 11:45 | | Agricultural applications of controlled release technology | F. Harris |
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| | | | DISMISSED | |
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