

Research Presentations

1. Hamaker, K.H., C.S. Brazel, B.J. Bunker, J.D. Jones, et al. "ASEE Student Chapters: An Engineering Pipeline for Higher Education," American Society for Engineering Education National Convention. Champaign, IL, June 1993.
2. Brazel, C.S. and N.A. Peppas. "Temperature- and pH- Sensitive Hydrogels for Controlled Release of Heparin and Streptokinase," Materials Research Society National Convention-Biomaterials Symposium. Boston, MA, November 1993.
3. Peppas, N.A., C.L. Bell, C.S. Brazel and S. Teague. "Mechanochemical Behavior of pH- and Temperature- Sensitive Gels," Frontiers in Biomedical Engineering, Biomedical Engineering Society Fall Convention. Tempe, AZ, October 1994.
4. Brazel, C.S. and N.A. Peppas. "P(NIPAAm-co-MAA) Hydrogels for Temperature- and pH- Responsive Release of Antithrombotic Agents," American Institute for Chemical Engineering National Conference- Targeted Drug Delivery Symposium. San Francisco, CA, November 1994.
5. Brazel, C.S. and N.A. Peppas. "Pulsatile Release of Antithrombotic Agents from pH- and Temperature- Sensitive Hydrogels," International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City, UT, February 1995.
6. Brazel, C.S., S.K. Vakkalanka and N.A. Peppas. "Temperature- and pH- Sensitive Hydrogels for Controlled Drug Delivery and Control of Enzyme Activity," Invited Speaker, University of Rome, La Sapienza, Department of Pharmacy. Rome, Italy, May 1995.
7. Brazel, C.S. and N.A. Peppas. "Transport in Hydrophilic Polymer Gels: Application in Controlled Release," International Symposium on Controlled Release of Bioactive Materials, Seattle, WA, July 1995.
8. Brazel, C.S. and N.A. Peppas. "Transport in Swellable Polymer Systems for Controlled Drug Release," American Institute for Chemical Engineers National Conference, Miami, FL, November 1995.
9. Brazel, C.S. and N.A. Peppas. "Drug Diffusion and Polymer Relaxation in Swelling-Controlled Release Systems," poster, Sigma Xi, Purdue University Chapter, Graduate Research Competition, West Lafayette, IN, March, 1996.
10. Brazel, C.S. and N.A. Peppas. "On the Mechanisms of Water Transport and Drug Release from Swellable Hydrogels," American Chemical Society Spring Convention, PMSE Division, New Orleans, LA, March 1996.
11. Peppas, N.A., S.K. Vakkalanka, and C.S. Brazel. "Unique Swelling-Controlled Release Systems Based on T- and pH- Sensitive Terpolymers for Fibrinolytic Enzyme Delivery," 22nd International Symposium on Controlled Release of Bioactive Materials, Kyoto, Japan, July 1996.
12. Brazel, C.S. and N.A. Peppas. "Intelligent Polymers for Biomedical Sensing," Purdue Graduate Student Organization Fall Symposium, West Lafayette, IN, August 1996.
13. Brazel, C.S. and N.A. Peppas. "Prediction of Drug Delivery Profiles from Swelling-Controlled Release Hydrogel Systems," American Institute for Chemical Engineers National Conference, Chicago, IL, November 1996.
14. Hoffman, A.S., G. Chen, X. Wu, Z. Ding, B. Kabra, K. Randeri, M. Schiller, E.S. Ron, N.A. Peppas and C.S. Brazel. "Graft Copolymers of PEO-PPO-PEO Triblock Polyethers on Bioadhesive Polymer Backbones: Synthesis and Properties," American Chemical Society Spring Convention, POLY Division, San Francisco, CA, April 1997.
15. Hoffman, A.S., G. Chen, X. Wu, Z. Ding, B. Kabra, K. Randeri, M. Schiller, E.S. Ron, N.A. Peppas and C.S. Brazel. "Graft Copolymers of PEO-PPO-PEO Triblock Polyethers on Bioadhesive Polymer Backbones for Use as Drug Delivery American Chemical Society Spring Convention, PMSE Division, San Francisco, CA, April 1997.
16. Peppas, N.A., A.M. Lowman, C.S. Brazel and C.L. Bell-Huff. "Oral Drug Delivery Using Swellable and pH-Sensitive Systems," Greek Local Chapter Controlled Release Society Meeting, Athens, Greece, May 1997.

Research Presentations (cont'd)

17. Brazel, C.S. and N.A. Peppas. "Analysis of Swelling-Controlled Release Systems for Optimization of Drug Delivery," 24th International Symposium on Controlled Release of Bioactive Materials, Stockholm, Sweden, June 1997.
18. Brazel, C.S. "Coating Materials for Encapsulation Applications: Microcapsules as Delivery Vehicles for Food Ingredients," International Food Technologist Chicago Section Suppliers' Night, Chicago, IL, November 1998.
19. Brazel, C.S., A.L. Orvis and N. Vasishta. "Suspension Polymerization of Acrylate Monomer Particulates Using Microwave Energy," American Institute for Chemical Engineers National Conference- Polymerization Kinetics Symposium, Dallas, TX, November 1999.
20. Huang, X. and C.S. Brazel. "Analysis of Burst Release of Small Molecular Weight Drugs from Poly(vinyl alcohol) Hydrogels," National Graduate Research Polymer Conference, Hattiesburg, MS, June 2000.
21. Thornton, A.M. and C.S. Brazel. "pH-Sensitive Permeability of Polymer Membranes for Controlled Delivery of Streptokinase to Blood Clots," National Graduate Research Polymer Conference, Hattiesburg, MS, June 2000.
22. Huang, X. and C.S. Brazel, "An Investigation of Burst Release of Low Molecular Weight Drugs from Poly(vinyl alcohol) Hydrogels," American Institute for Chemical Engineers National Conference- Drug Delivery Symposium, Los Angeles, CA, November 2000.
23. Benton, M.G. and C.S. Brazel, "Effect of Immobilized Proteins on Polymer Gel Structures Used as Drug Delivery Vehicles," American Institute for Chemical Engineers National Conference- Biomimetic Materials Symposium, Los Angeles, CA, November 2000.
24. Thornton, A.M. and C.S. Brazel, "Design of pH Sensitive Materials for On/Off Release of Thrombolytic and Anticoagulant Drugs," Materials Research Society, Boston, MA, November 2000.
25. Benton, M.G. and C.S. Brazel, "Effectiveness of Room Temperature Ionic Liquids as Solvents for Free Radical Addition Polymerization," American Chemical Society, San Diego, CA, April 2001.
26. Stoltz, M.J. and C.S. Brazel, "Investigation of Temperature-Sensitive Interpenetrating Polymer Networks as Separation Membranes," AIChE Southern Region Student Chapter Conference, Clemson, SC, April 2001.
27. Brazel, C.S. and M.J. Stoltz, "Novel Dual Temperature Sensitive Materials Based on Interpenetrating Polyalkylacrylamide Networks for Temperature-Proportional Controlled Release," 28th International Symposium on Controlled Release of Bioactive Materials, San Diego, CA, June 2001.
28. Benton, M.G. and C.S. Brazel, "Use of Room Temperature Ionic Liquids As Environmentally Benign Solvents for Free Radical Polymerizations," Air and Waste Management Association National Conference, Orlando, FL, June 2001.
29. Benton, M.G., M.P. Scott, J.D. Holbrey, R.D. Rogers, and C.S. Brazel, "A New Class of Plasticizing Agents: Room Temperature Ionic Liquids in Poly(methyl methacrylate) and Polystyrene," American Institute for Chemical Engineers National Conference, Structure and Properties of Polymers II (Crystals and Glasses) Session, Reno, NV, November 2001.
30. Stoltz, M.J. and C.S. Brazel, "Temperature-Sensitive Interpenetrating Polymer Networks of Two LCST Polymers for Membrane Separations and Drug Delivery," American Institute for Chemical Engineers National Conference, Advances in Membrane Materials Session, Reno, NV, November 2001.
31. Huang, X., B. Chestang, and C.S. Brazel, "On the Minimization of the Burst Release of Small Molecular Weight Solutes from PVA Hydrogels: Surface Extraction and Surface-preferential Crosslinking Techniques," American Institute for Chemical Engineers National Conference, Reno, NV, November 2001.

Research Presentations (cont'd)

32. Huang, X., and C.S. Brazel, "Modeling of Burst Release of Small Molecular Weight Solutes from Hydrogels Based on a Diffusion-convection Model Coupled with Surface Desorption," American Institute for Chemical Engineers National Conference, Reno, NV, November 2001.
33. Benton, M.G. and C.S. Brazel, "The Feasibility of Room Temperature Ionic Liquids as Replacement Solvents in Free Radical Polymerization Reactions," American Institute for Chemical Engineers National Conference, Reno, NV, November 2001.
34. Scott, M.P., M.G. Benton, C.S. Brazel, and R.D. Rogers, "Ionic Liquids in Polymer Processing: Greener Solvent-Based Polymerizations and Improved Lifetime of Plasticized Materials," American Institute for Chemical Engineers National Conference, Reno, NV, November 2001, 1st Prize, Student Poster Presentations, Environmental Division.
35. Brazel, C.S. and X. Huang, "The Cost of Optimal Drug Delivery: Reducing and Preventing the Burst Effect in Matrix Systems," American Chemical Society Spring National Conference, Orlando, FL, April 2002.
36. Brazel, C.S. "Integrating Team Laboratory Experiments Into a Senior Biochemical Engineering Course," American Society for Engineering Education Annual Conference, Montreal, Canada, June 2002.
37. Brazel, C.S., G.S. Maddox, M.F. Garcia, L.M. Savoy, M.G. Benton, and A.M. Thornton [invited]. "Fundamental Chemical Differences between Polyacidic and Polybasic Materials for the Design of pH-Responsive Systems," 29th International Symposium on Controlled Release of Bioactive Materials, Seoul, South Korea, July 2002.
38. Huang, X. and C.S. Brazel, "Understanding the Burst Effect: Release in PVA Hydrogel Systems, Improvements in Modeling, and Approaches to Preventing Burst," 29th International Symposium on Controlled Release of Bioactive Materials, Seoul, South Korea, July 2002.
39. Scott, M.P., M. Rahman, M.G. Benton, and C.S. Brazel, "Plasticizing Effects of Imidazolium Salts in PMMA: High and Low Temperature Stable Flexible Engineering Materials," invited talk, Ionic Liquids as Green Solvents: Progress and Prospects Session, Industrial and Engineering Chemistry Division, American Chemical Society Fall National Conference, Boston, MA, August 2002.
40. Benton, M.G. and C.S. Brazel, "Comparison of Kinetics for Solution Polymerization of PMMA in Green Ionic Liquid Solvents Versus Traditional Volatile Solvents," Green Polymer Chemistry Session, Polymer Chemistry Division, American Chemical Society Fall National Conference, Boston, MA, August 2002.
41. Benton, M.G., J.D. Holbrey, R.D. Rogers, J.W. Mays, and C.S. Brazel, "Ionic Liquids as Environmentally-Benign Solvents for Synthesis of PMMA in [bmim][PF₆]: Kinetic, Thermal and Mechanical Analysis," AIChE Annual Meeting, Indianapolis, IN, November 2002.
42. Huang, X. and C.S. Brazel, "Development of a Convection-Diffusion Model to Account for the Burst Effect in Hydrogel Systems," AIChE Annual Meeting, Indianapolis, IN, November 2002.
43. Rahman, M. and M.P. Scott, and C.S. Brazel, "High Temperature-Stability of Ionic Liquid Plasticizers in PVC and PMMA," AIChE Annual Meeting, Indianapolis, IN, November 2002.
44. C.S. Brazel, A.N. Roberts and X. Huang, "Surface-Preferential Crosslinking in Hydrogels to Minimize Burst Effect and Design Tunable Lag Times for Drug Delivery," BMES/IEEE Fall Meeting, Houston, TX, October 2002.
45. J.B. McKinney, D.T. Johnson and C.S. Brazel, "Magnetic Controlled Release using Aqueous CoFe Dispersions in Poly(vinyl alcohol) Hydrogels," AIChE Annual Meeting, Indianapolis, IN, November 2002.
46. Rahman, M., M.G. Benton, M.P. Scott and C.S. Brazel, "Room Temperature Ionic Liquids as Environmentally Benign Plasticizers and Reaction Media for Polymerization Reactions," Green Chemistry and Engineering Conference, Washington, DC, June 2003.

Research Presentations (cont'd)

47. Carroll, K.S., J.B. McKinney, D.T. Johnson and C.S. Brazel, "Development of Magnetothermal Responsive Systems for Tumor Treatment," 30th International Symposium on Controlled Release of Bioactive Materials, Glasgow, Scotland, July 2003.
48. Rahman, M. and C.S. Brazel, "Development and Testing of PVC Plasticized by Low Volatility Ionic Liquids," AIChE Annual Meeting, San Francisco, CA, November 2003.
49. Carroll, K.S., W.D. Reynolds, and C.S. Brazel, "Temperature-Sensitive Graft Copolymer Gels for Proportional Control of Membrane Diffusion," AIChE Annual Meeting, San Francisco, CA, November 2003.
50. Rahman, M. and C.S. Brazel, "Effectiveness of Phosphonium, Ammonium, and Imidazolium-Based Ionic Liquids as Plasticizers for Poly(vinyl chloride): Thermal and Ultraviolet Stability," ACS National Meeting, Anaheim, CA, April 2004.
51. Shoff, H.W., M. Rahman, and C.S. Brazel, "Leaching and Migration Resistance of Phosphonium-Based Ionic Liquids as PVC Plasticizers: A Comparative Study of Traditional Phthalate and Citrate Plasticizers with Ionic Liquids," ACS National Meeting, Anaheim, CA, April 2004.
52. Shoff, H.W., and C.S. Brazel, "Development of Novel Plasticizers to Replace Phthalates in Medical Plastics," AIChE Spring Regional Student Conference, Georgia Tech University, 2nd place, March 2004.
53. Brazel, C.S., "Novel Polymer Structures for Thermosensitive Drug Delivery," DOE/NSF EPSCoR Conference 2004, Argonne National Laboratory, Argonne, IL, June 2004.
54. Shoff, H.W., M. Rahman, and C.S. Brazel, "Evaluation of Novel Plasticizers to Replace Phthalates in Medical Plastics: A Study of Mechanical, Leaching and Cytotoxic Behavior," AIChE Annual Meeting, Austin, TX, November 2004.
55. Ankareddi, I. and C.S. Brazel, "Development of Thermally Responsive Graft Copolymers for High Temperature-Activated Drug Delivery", AIChE Annual Meeting, Cincinnati, OH, November 2005
56. Rahman, M. and C.S. Brazel, "Extending Thermodynamic Plasticizer Models to Ionic Liquids", AIChE Annual Meeting, Cincinnati, OH, November 2005
57. Rahman, M. and C.S. Brazel, "Ionic Liquids Based on Phosphonium, Imidazolium and Ammonium Cations as PVC Plasticizers: Liquid Leaching, Solid Migration and Cytotoxicity Studies," AIChE Annual Meeting, Cincinnati, OH, November 2005.
58. Hampel, M.L. and C.S. Brazel, "Magnetothermal Matrices for Controlled Drug Release," AIChE Annual Meeting, Cincinnati, OH, October 2005.
59. Brazel, C.S., M. Rahman, and H.W. Shoff, "Ionic liquids as polymer additives: alternatives to phthalates in poly(vinyl chloride)," Pacifichem, Honolulu, HI, December 2005.
60. Brazel, C.S., I. Ankareddi, H.G. Bagaria, D.T. Johnson and D.E. Nikles, "Design of thermally responsive grafted hydrogels with imbedded magnetic FePt and Co- γ Fe₂O₃ nanoparticles for magnetically-triggered drug release," Pacifichem, Honolulu, HI, December 2005.
61. Brazel, C.S., P.E. Clark, T.M. Klein, A.M. Lane, and S.M.C. Ritchie, "Renovation and Upgrades of Chemical and Biological Engineering Unit Operations Lab to Teach Technical Skills in Emerging Engineering Fields," ASEE-Southeast Regional Meeting, Tuscaloosa, AL, April 2006.
62. Hampel, M.L. and C.S. Brazel, "Magnetothermal Matrices for Controlled Drug Release," ASEE-Southeast Regional Meeting, Tuscaloosa, AL, April 2006.
63. Brazel, C.S., "Choosing a Career Path in Chemical and Biological Engineering," Howard Hughes Medical Institute, The University of Alabama, May 2006.
64. Wu, L.F. and C.S. Brazel, "Extending Surface Crosslinking Technique to Prevent the Burst Effect to Controlled Release Systems Based on Poly(vinyl alcohol), Poly(2-hydroxyethyl methacrylate), and Gelatin," 33rd International Symposium on Controlled Release of Bioactive Materials, Vienna, Austria, July 2006.

Research Presentations (cont'd)

65. Brazel, C.S., I. Ankareddi, M.L. Hampel, H. Bagaria, D.T. Johnson, and D.E. Nikles, "Development of Magnetothermal-Responsive Delivery Systems Using FePt Nanoparticles Imbedded in Poly(N-isopropylacrylamide)-Based Hydrogels," 33rd International Symposium on Controlled Release of Bioactive Materials, Vienna, Austria, July 2006.
66. I. Ankareddi, M.L. Hampel, K.S. Carroll, J.B. McKinney and C.S. Brazel, "Magnetothermally-Triggered Drug Delivery: Combining FePt and Co- γ Fe₂O₃ Nanoparticles with Thermosensitive Polymers," Materials for Information Technology NSF-MRSEC Review, Tuscaloosa, AL, October 2006.
67. Brazel, C.S. "Magnetic Materials in Biological Applications: Future Plans for Work in Cancer Imaging and Therapy, Biomaterial Design, and Drug Delivery," Materials for Information Technology NSF-MRSEC Review, Tuscaloosa, AL, October 2006.
68. Ankareddi, I., and C.S. Brazel, "Development and Characterization of a Grafted Polymeric System Incorporated with Magnetic Nanoparticles for Magnetothermal Drug Delivery," 10th Annual Graduate Student Association Research and Thesis Conference, Tuscaloosa, AL, February 2007.
69. Ankareddi, I., M.L. Hampel, M.K. Sewell, D.-H. Kim, and C.S. Brazel, "Development of a Magnetically Triggered Drug Delivery System using Thermoresponsive Grafted Polymer Networks with Magnetic Nanoparticles," NSTI Nanotech 2007, Santa Clara, CA, May 2007.
70. Sewell, M.K. and C.S. Brazel, "Thermally Responsive Hydrogels with Nanomagnets for Delivery of Anti-Cancer Agents with Localized Hyperthermia", AIChE Regional Student Conference, Columbia, SC, March 2007, 2nd place oral presentation.
71. Sewell, M.K. and C.S. Brazel, "Thermally Responsive Hydrogels with Nanomagnets for Delivery of Anti-Cancer Agents with Localized Hyperthermia", Honors Research Competition, University of Alabama in Huntsville, Huntsville, AL, April 2007.
72. Jernigan, P.L., I. Ankareddi, M.M. Bailey, J.F. Rasco, C.S. Brazel, and R.D. Hood, "Effects of Poly(N-isopropylacrylamide-co-acrylamide) on Fetal Development in Mice," the University of Alabama Research and Creativity Competition, College of Arts and Sciences, Tuscaloosa, AL, April 2007.
73. Jernigan, P.L., I. Ankareddi, M.M. Bailey, J.F. Rasco, C.S. Brazel, and R.D. Hood, "Effects of Poly(N-isopropylacrylamide-co-acrylamide) on Fetal Development in Mice," Teratology Society Annual Meeting, Pittsburgh, PA, June 2007.
74. Wu, L. and C.S. Brazel, "Surface crosslinking as an effective method to tune drug release from hydrogels", ACS National Polymer Graduate Research Conference, Knoxville, TN, June 2007.
75. Ankareddi, I., and C.S. Brazel, "Design of a Polymeric System with Thermoresponsive Grafts and Magnetic Nanoparticles Which Facilitate Temperature Triggered Release – A Novel Approach to Treat Cancers," ACS National Polymer Graduate Research Conference, Knoxville, TN, June 2007.
76. Nikles, D.E., C.S. Brazel, D.T. Curiel, M. Everts, J.N. Glasgow, D.T. Johnson, T.C. Ng, and J.A. Nikles "Toward a Multifunctional Nanoplatfrom for Cancer Targeting, Imaging and Therapy," American Chemical Society National Conference, Boston, MA, August 2007.
77. Sewell, M.K., I. Ankareddi, D.-H. Kim, D.E. Nikles and C.S. Brazel, "Multifunctional Magnetic and Thermally Sensitive Hydrogels for Drug Delivery," AIChE Annual Meeting, Salt Lake City, UT, November 2007.
78. Ponta, A., I. Ankareddi, and C.S. Brazel, "Mechanical Analysis of Thermosensitive Hydrogels for Drug Delivery," AIChE Annual Meeting, Salt Lake City, UT, November 2007.
79. Fugit, Kyle, I. Ankareddi, D.-H. Kim and C.S. Brazel, "Cell Ablation via Magnetic Nanoparticles and Their Inherent Toxicity," AIChE Annual Meeting, Salt Lake City, UT, November 2007.
80. Shamsuzzoha, A., I. Ankareddi, and C.S. Brazel, "Thermosensitive Hydrogels: Design and Characterization of Phase-Separating Materials," AIChE Annual Meeting, Salt Lake City, UT, November 2007.

81. Brazel, C.S., "Nanomedicine: Design of Magnetically-Triggered System for Combined Hyperthermia and Chemotherapy," Unither Nanomedical and Telemedical Technology Conference, Magog, Quebec, Canada, April 2008.
82. Ankareddi, I., A. Ponta, A. Shamsuzzoha, and C.S. Brazel, "Positive thermoresponsive grafted hydrogels for heating-activated drug delivery," ACS Spring National Meeting, New Orleans, LA, April 2008.
83. Ankareddi, I., M.L. Hampel, M.K. Sewell, D.-H. Kim, and C.S. Brazel, "Design of magnetically responsive materials by incorporating magnetic nanoparticles into thermally responsive Poly(N-isopropylacrylamide-co-acrylamide) hydrogels," ACS Spring National Meeting, New Orleans, LA, April 2008.
84. Kim, D.-H., I. Ankareddi, D.E. Nikles and C.S. Brazel, "Synthesis and Characterization of Multifunctional Chitosan-coated $MnFe_2O_4$ for Magnetic Hyperthermia," ACS Spring National Meeting, New Orleans, LA, April 2008.
85. Rahman, M. and C.S. Brazel, "Advances in Plasticizers: Using Ionic Liquids in PMMA and PVC Systems- a Combined Experimental and Thermodynamic Modeling Approach," ACS Spring National Meeting, New Orleans, LA, April 2008.
86. Sewell, M.K., K.D. Fugit, I. Ankareddi, C. Zhang, M.L. Hampel, D.-H. Kim and C.S. Brazel, "Magnetothermally-Triggered Drug Delivery Using Hydrogels with Imbedded Cobalt Ferrite, Iron Platinum or Manganese Ferrite Nanoparticles," ACS Spring National Meeting, New Orleans, LA, April 2008.
87. Kim, D.-H., Y.T. Thai, D.E. Nikles and C.S. Brazel, "Optimized Heat Generation of Mn-Ferrite Nanoparticles by AC Magnetic Field for Magnetic Hyperthermia Using Multifunctional Particles," ACS Spring National Meeting, New Orleans, LA, April 2008.
88. Brazel, C.S., "Developing Materials for Cancer Therapy," Emerging Technologies Conference, College of Arts & Sciences, The University of Alabama, Tuscaloosa, AL, February 2008.
89. Fugit, K.D., C.S. Brazel, D.-H. Kim and I. Ankareddi, "Cellular Responses to Magnetic Nanoparticles," AIChE Regional Student Chapter Meeting, Auburn, AL, April 2008.
90. Blue, L.M., D.-H. Kim and C.S. Brazel, "Cobalt Ferrite and P(NIPAAm-co-AAm) Hydrogel Composite Material Development and Characterization for Hyperthermia and Chemotherapy Combination Cancer Therapy," AIChE Regional Student Chapter Meeting, Auburn, AL, April 2008.
91. Sewell, M.K. and C.S. Brazel, "Multifunctional Magnetic and Thermally Responsive Hydrogels for Anti-Cancer Drug Delivery," AIChE Regional Student Chapter Meeting, Auburn, AL, April 2008.
92. Ponta, A., I. Ankareddi, and C.S. Brazel, "Mechanical Analysis of Thermosensitive Hydrogels for Drug Delivery," AIChE Regional Student Chapter Meeting, Auburn, AL, April 2008.
93. Thai, Y.T., D.-H. Kim and C.S. Brazel, "Manganese Ferrite Nanoparticles - Heat Generation Study for Magnetic Hyperthermia Cancer Therapy," AIChE Regional Student Chapter Meeting, Auburn, AL, April 2008.
94. Blue, L.M., D.-H. Kim and C.S. Brazel, "Development of Cobalt Ferrite/P(NIPAAm-co-AAm) Hydrogel Composite Material for Combined Hyperthermia and Chemotherapy Cancer treatment", UA System Honors Research Conference, Birmingham, AL, April 2008.
95. Sewell, M.K. and C.S. Brazel, "Multifunctional Magnetic and Thermally Sensitive Hydrogels for Drug Delivery," University of Alabama Undergraduate Research Symposium, Tuscaloosa, AL, April 2008.
96. Sewell, M.K. and C.S. Brazel, "Thermal and Magnetically Sensitive Hydrogels with Nanoparticles for Combination Cancer Therapy," UA System Honors Research Conference, Birmingham, AL, April 2008.
97. Fugit, K.D., C.S. Brazel, J. Harris, D.-H. Kim, and I. Ankareddi, "Cellular Responses to Magnetic Nanoparticles and Subsequent Hyperthermia Treatment," UA System Honors Research Conference, Birmingham, AL, April 2008.