

CHERYL J. CAMPO

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EDUCATION: **CASE WESTERN RESERVE UNIVERSITY, Cleveland, OH**
 Ph.D. Macromolecular Science and Engineering, *January 2007*
 UNIVERSITY OF CONNECTICUT, Storrs, CT
 M.S. Polymer Science, *May 2003*
 RUTGERS UNIVERSITY, New Brunswick, NJ
 M.Ed. Secondary Science Education, Graduate School of Education, *May 1998*
 Concentration: Physical Science
 B.A. Chemistry, Rutgers College, *May 1996*
 Minor: Music
 Certificate, Rutgers College of Engineering Honors Program, *May 1994*

PROFESSIONAL EXPERIENCE: **SUNY FREDONIA CHEMISTRY DEPARTMENT, Fredonia, NY**
 Assistant Professor. *August 2006-Present*
 General Chemistry Lab Coordinator. *January 2007-Present*
 Developed/Taught a graduate science education course integrating chemistry content, teaching pedagogy, and principles of educational psychology (SCI 591 – Rethinking Chemistry in the Classroom). Other courses taught: CHEM 125 – General Chemistry Lab, CHEM 381/481 – Polymer, and SCED 305 – Diversity in the Teaching of Science and Mathematics.

CASE WESTERN RESERVE UNIVERSITY MACROMOLECULAR SCIENCE AND ENGINEERING DEPARTMENT, Cleveland, OH
 Dr. Patrick T. Mather Research Assistant. *August 2004-July 2006*
 PVDF-Based Semicrystalline-Amorphous Blends: Phase Behavior and Thermomechanical Properties.

UNIVERSITY OF CONNECTICUT POLYMER PROGRAM, Storrs, CT
 Dr. Patrick T. Mather Research/Teaching Assistant. *November 2001-July 2004*
 PVDF-Based Semicrystalline-Amorphous Blends: Phase Behavior and Thermomechanical Properties.
 Developed/Implemented DSC, DMA, and XRD experiments for a graduate level lab course.

BATTELLE MEMORIAL INSTITUTE, Columbus, OH
 Research Associate. *November 2000-July 2001*

ATOFINA CHEMICALS, INC., Delaware, OH
 Quality Control Lab Technician. *December 1999-November 2000*

BISHOP READY HIGH SCHOOL, Columbus, OH
 Science Teacher. *August 1999-November 1999*
 Taught AP, College Prep, and Applied Chemistry.

DR. RONALD E. MCNAIR ACADEMIC HIGH SCHOOL, Jersey City, NJ
 Science Teacher. *September 1998-July 1999*
 Instituted a science symposium and published a research journal highlighting work done by students as part of a research course. Taught AP and College Prep Chemistry.

HILLSBOROUGH HIGH SCHOOL, Hillsborough, NJ
 Student Teacher. *September 1997-December 1997*

RUTGERS UNIVERSITY, Piscataway, NJ
 Waksman Student Scholars Program Teaching Intern. *Summer 1997*
 Chemistry Department Part-Time Lecturer (PTL). *January 1997-August 1998*
 Established a web resource for students while teaching organic chemistry lab. Taught organic chemistry recitation.

- Dr. Kathryn E. Uhrich** Research Assistant. *January 1996-August 1997*
Synthesis and characterization of polyanhydrides for biomedical applications.
- Dr. Stephan S. Isied/Dr. Teen T. Chin** Research Assistant. *May 1995-December 1995*
Preparation of polypeptides for the study of photosynthesis-related electron transfer.

PROFESSIONAL AFFILIATIONS:

- ◆ American Chemical Society
Member, *March 2000-Present*
Polymeric Materials Science and Engineering Session Co-Moderator, American Chemical Society Fall 2005 Meeting, *August 2005*
- ◆ American Institute of Chemical Engineers, Member, *1992-1993*
- ◆ Kappa Delta Pi, an International Honor Society in Education, Member, *May 1999-Present*
- ◆ Materials Research Society, Member, *January 2002-Present*
- ◆ National Education Association, Member, *September 1998-Present*
- ◆ Society of Plastics Engineers
President, UCONN Student Chapter, *August 2003-July 2004*
Established a research overview seminar series to provide students with opportunities to engage in public speaking and a professional development seminar series to bring in speakers from different work environments thereby providing students with exposure to the variety of employment opportunities available to them.
Vice-President, UCONN Student Chapter, *September 2002-July 2003*
Member, *September 2002-Present*

HONORS/ AWARDS:

- ◆ SUNY/UUP Individual Development Award, *2006-2007*
- ◆ AdvanceVT Transforming the Professoriate Workshop, Virginia Tech, *2006*
- ◆ Flora Stone Mather Center for Women Graduate Student Award, Honorable Mention, *2006*
- ◆ Association of Catholic Colleges and Universities Collegium Graduate Fellowship, *2003*
- ◆ University Predoctoral Fellowship, University of Connecticut, *Fall 2001-Spring 2002*
- ◆ Edward J. Bloustein Distinguished Scholar, *1992-1996*
- ◆ Rutgers College of Engineering Honors Program, *1992-1994*

SERVICE:

- ◆ **SUNY Fredonia**
Advisory Committee for the Science and Technology Complex, Member, *September 2006-Present*
Science Education Partnership, Member, *September 2006-Present*
Professional Education Council, Member, *September 2006-Present*
Women's Student Union, Co-Advisor, *Spring 2007*
- ◆ **Case Western Reserve University**
Graduate Student Senate
Strategic Planning Committee, *October 2005-July 2006*
Contributing author for the 2006-2011 GSS Strategic Plan.
GSS Liaison to the School of Graduate Studies Newsletter, *October 2005-July 2006*
Published an online newsletter highlighting recent activity in the GSS and other graduate student organizations.
Macromolecular Science and Engineering Graduate Student Organization, Case Western Reserve University
President, *June 2005-May 2006*
Organized a professional development seminar series focused on careers in academic and non-academic workplaces. Initiated formation of the first ACS-PMSE graduate student affiliate chapter.
Vice-President, *August 2004-May 2005*
- ◆ **University of Connecticut**
Institute of Materials Science Safety Committee, Member, *September 2002-July 2004*

PUBLICATIONS:

- “PVDF:PMMA Shape Memory Blends: Effect of Short Carbon Fiber Addition,” Campo, C.J. and Mather, P.T.; *Polymeric Materials: Science and Engineering* **2005**, 93, 933-934.
- “Liquid Crystalline Supramolecular Polymers Formed Via Complementary Nucleobase Pair Interactions,” Sivakova, S.; Wu, J.; Campo, C.; Mather, P.T.; and Rowan, S.J. *Chem. Eur. J.* **2005**, 2, 446-456.
- “Implantable Medical Devices,” Sahatjian, R.; Tan, F.; Mather, P.T.; Liu, C.; and Campo, C.J. Utility patent applied for October 10, 2003.
- “Blends of Polymeric Materials for Shape Memory and Applications Thereof,” Mather, P.T.; Liu, C.; and Campo, C.J. Provisional patent applied for January 9, 2003. Conversion October 10, 2003.

- “Polyanhydrides: The Effects of Ring Substitution Changes on Polymer Properties,” Campo, C.; Anastasiou, T.; and Uhrich, K. *Polymer Bulletin* **1999**, 42, 61-68.
- “Polymeric Prodrugs: Novel Polymers with Bioactive Components,” Erdmann, L.; Campo, C.; Bedell, C.; and Uhrich, K. In *Tailored Polymeric Materials for Controlled Delivery Systems*; McCulloch, I. and Shalaby, S., Eds.; ACS Symposium Series 709; American Chemical Society: Washington, D.C., 1998; pp 83-91.
- “Polymer Prodrugs with Pharmaceutically Active Degradation Products,” Erdmann, L.; Campo, C.; Palms, D.; Uhrich, K.; proceeding from American Chemical Society National Meeting, Las Vegas, NV, September 1997.
- “Polymer Prodrugs with Pharmaceutically Active Degradation Products,” Erdmann, L.; Campo, C.; Palms, D.; Uhrich, K. *Polymer Preprints* **1997**, 38, 570-571.

- INVITED TALKS:** “Wine, Women, and Song; Mixtures, Men, and Science,” Campo, C.J.; Women’s Studies Fall Gathering, SUNY Fredonia, Fredonia, NY, September 27, 2006.
- “Shape Memory Binary Blends: Compositionally Tailored Fixing and Recovery,” Campo, C.J. and Mather, P.T.; Society of Plastics Engineers ANTEC 2006 Meeting, Charlotte, NC, May 8, 2006.
- “PVDF:PMMA Shape Memory Blends: Effect of Short Carbon Fiber Addition,” Campo, C.J. and Mather, P.T.; SUNY Fredonia, Fredonia, NY, January 23, 2006.
- “PVDF:PMMA Shape Memory Blends: Effect of Short Carbon Fiber Addition,” Campo, C.J. and Mather, P.T.; Bayer MaterialScience, South Charleston, WV, January 11, 2006.
- “PVDF:PMMA Shape Memory Blends: Effect of Short Carbon Fiber Addition,” Campo, C.J. and Mather, P.T.; UWisc – Madison, Madison, WI, January 4, 2006.

- PRESENTATIONS:** “Shape Memory Binary Blends: Compositionally Tailored Fixing and Recovery,” Campo, C.J. and Mather, P.T.; poster at Research ShowCASE, Cleveland, OH, April 2006.
- “PVDF:PMMA Shape Memory Blends: Effect of Short Carbon Fiber Addition,” Campo, C.J. and Mather, P.T.; presentation at American Chemical Society National Meeting, Washington, DC, August 2005.
- “Poly(vinylidene fluoride)-Polymethacrylate Melt-Miscible Blends with Shape Memory,” Campo, C.J.; Galeska, I.; Wu, J.; Liu, C.; and Mather, P.T.; presentation for Department of Macromolecular Science and Engineering Graduate Student Seminar series, Cleveland, OH, April 2005.
- “Tailoring the Properties of Polymer Blends for Shape Memory Applications,” Campo, C.J.; Galeska, I.; Wu, J.; and Mather, P.T.; poster at Research ShowCASE, Cleveland, OH, April 2005.
- “Shape Memory Effect in Poly(Vinyl Acetate)/ Poly(Vinylidene Fluoride) Blends Filled with Organically Modified Nanoclay,” Galeska, I.E.; Wu, J.; Campo, C.J.; and Mather, P.T.; poster at 7th International Symposium on Polymers for Advanced Technologies, Fort Lauderdale, FL, September 2003.
- “Crystalline-Amorphous Polymer Blends: Understanding the Microstructure and Thermomechanical Behavior of Potential Shape Memory Materials,” Campo, C.J. and Mather, P.T.; poster at Institute of Materials Science Polymer Program Advisory Board meeting, Storrs, CT, May 2003.
- “Polyanhydrides: The Effects of Ring Substitution Changes on Polymer Properties,” Campo, C.; Bedell, C.; Palms, D.; and Uhrich, K.; poster at NJ Center for Biomaterials Conference, Somerset, NJ, November 1997.
- “Polyanhydrides: The Effects of Ring Substitution Changes on Polymer Properties,” Campo, C. and Uhrich, K.; poster at Rutgers Undergraduate Research Poster Session, New Brunswick, NJ, May 1996.
- “Polyanhydrides: The Effects of Ring Substitution Changes on Polymer Properties,” Campo, C. and Uhrich, K., presentation at American Chemical Society Undergraduate Research Symposium, Staten Island, NY, May 1996.

STUDENTS ADVISED:

Graduate

Vince Armella *Fall 2006-Spring 2007*

Undergraduate

Terry Ng *Spring 2007-Present*

Scott Simpson *Spring 2007-Present*

Jeremy Wignall *Fall 2007-Present*