JUDY L. CEZEAUX 38 Sunnyside Terrace Wilbraham, MA 01095 (413) 348-5125 jcezeaux@charter.net

EDUCATION

B.S., Mechanical Engineering, Carnegie Mellon University, Pittsburgh, PA, May 1984

Ph.D., Biomedical Engineering, Rensselaer Polytechnic Institute, Troy, NY, December 1989

PROFESSIONAL EXPERIENCE

Chair, Biomedical Engineering, Western New England University, Springfield, MA, 9/08 - present

Professor, Biomedical Engineering, Western New England University, 8/04 - present

Fellow in Residence, American Institute for Medical and Biological Engineering, Washington, DC, 8/14 – 12/14, (sabbatical leave)

Associate Professor, Biomedical Engineering, Western New England College, 8/02 – 7/04

Associate Professor, Mechanical and Biomedical Engineering, Western New England College, $\frac{8}{00} - \frac{7}{02}$

- **ORISE Fellow**, Engineering and Control Technology Branch, Health Effects Laboratory Division, National Institute for Occupational Safety and Health, Morgantown, WV, Summers 2001, 2002
- Senior Staff Fellow, Engineering and Control Technology Branch, Health Effects Laboratory Division, National Institute for Occupational Safety and Health, Morgantown, WV, 1/99 7/00
- Associate Professor, Mechanical and Aerospace Engineering and Engineering Science, University of Tennessee, Knoxville, TN, 8/97 7/00
- Assistant Professor, Mechanical and Aerospace Engineering and Engineering Science, University of Tennessee, 7/95 - 7/97

Assistant Professor, Engineering Science and Mechanics, University of Tennessee, 8/91 - 6/95

Postdoctoral Researcher, Chemical Engineering and Center of Membrane Sciences, University of Kentucky, Lexington, KY, 10/89 – 8/91

HONORS AND AWARDS

American Institute for Medical and Biological Engineering, Fellow

B. Ray Thompson Professorship, Department of Mechanical and Aerospace Engineering and Engineering Science, University of Tennessee, 1999

Outstanding Faculty Advisor, College of Engineering, University of Tennessee, 1996

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TEACHING

Undergraduate courses developed and taught:

<u>Western New England University</u> Cell and Tissue Engineering, Biofluid Mechanics, Biomechanics, Biothermodynamics, Biomedical Systems, Biomedical Engineering Laboratory, Foundations of Biomedical Engineering

<u>University of Tennessee</u> Introduction to Biomedical Engineering, Transport Phenomena in Living and Life Support Systems

Undergraduate courses taught:

<u>Western New England University</u> Statics, Dynamics, Engineering Mechanics, Engineering Physiology I, Biomaterials, Mechanical Engineering Laboratory, Introduction to Engineering

<u>University of Tennessee</u> Statics, Particle Dynamics, Rigid Body Dynamics, Fluid Mechanics I, Fluid Mechanics II

Graduate courses developed and taught:

<u>University of Tennessee</u> Biofluid Mechanics, Fluid Dynamics

Graduate student theses supervised (University of Tennessee)

Kevin Belew, M.S., 1999, "Evaluation of the morphological and cytoskeletal reorganization of retrovirally transduced human umbilical vein endothelial cells in response to steady laminar flow."

Robin Thieme, M.S., 1998, "Effects of stretch, angiotensin II, and aldosterone on nonmyocyte hyperplasia and collagen synthesis."

Carey Romoser, M.S., 1997, "Static adhesion and proliferation of endothelial cells on vacuum ultraviolet surface modified expanded polytetrafluoroethylene."

Kristye S. Banta, M.S., 1997, "Effect of stretch, angiotensin II, and aldosterone on nonmyocyte hyperplasia."

Kelly Morgan, M.S., 1996, "Adhesion of retrovirally transduced endothelial cells to expanded polytetrafluoroethylene vascular grafts."

Pamela K. Willoughby, M.S., 1994, "Measurement of renin messenger RNA in stretched and unstretched cardiac non-myocytes."

PROFESSIONAL ACTIVITIES

Member of American Society for Engineering Education (ASEE) Member of Biomedical Engineering Society (BMES) Chair, Council of Chairs of Bioengineering and Biomedical Engineering, 2015 Secretary-Treasurer, ASEE Biomedical Engineering Division, June 2008 – present Track Chair for "Biomedical Engineering Education and Outreach," BMES Annual Meeting, Hartford, CT, October 2011 Program Chair, IEEE 30th Annual Northeast Bioengineering Conference, Springfield, MA, April 2004 National Student Chapter Advisor, Society of Engineering Science, 1994 – 1996 Planning Committee, Tennessee Conference on Biomedical Engineering, 1998, 1999 Reviewer, *Tissue Engineering* Reviewer for NIOSH publications Reviewer for Oklahoma Center for the Advancement of Science and Technology Health Research Program Reviewer for National Science Foundation Directorate for Engineering Program Evaluator for ABET, Inc. Site Visit Team Member for New England Association of Schools and Colleges (NEASC)

UNIVERSITY SERVICE

Western New England University

University

Faculty Council, Member: Spring 2015 – present, Chair: Fall 2017 – present Faculty Grants Committee, Chair: Fall 2015 – Spring 2017 Ad Hoc Committee on Faculty Governance, Member: Fall 2012 – Spring 2014 Ad Hoc Committee on University Honors Program, Member: Spring 2012 NEASC Self-Study Steering Committee, Co-chair: Fall 2010 – Spring 2012 Search Committee, Biology Faculty, Member: Spring 2009 Search Committee, Finance, Member: Fall 2006 – Spring 2007 Ad Hoc Committee for the Assessment of Sports, Member: 2004 Faculty Senate, Member: Fall 2003 – Spring 2005 Ad Hoc Committee on the Faculty Handbook, Chair: Fall 2003 – Spring 2005; Member: Fall 2001 – Spring 2002 Institutional Review Board, Member: January 2001 – present Program Review Committee, Member: August 2002 – May 2004 Summer Grant Subcommittee of Faculty Affairs Committee, Member: Spring 2001

College of Engineering

Search Committee, Biomedical Engineering Faculty, Chair: Fall 2008, Fall 2010, Fall 2012 – Spring 2013, Spring 2017; Member: Spring 2002, Fall 2006 – Spring 2007
Ad Hoc Committee on Engineering Honors Program, Member: Fall 2012 – Spring 2013
Engineering Awards Committee, Member: Fall 2013 – present
Engineering Assessment Committee, Chair: Fall 2004 – Fall 2005, Member: Spring 2002 – Spring 2003, Fall 2008 – Spring 2010
Engineering Strategic Planning Committee, Chair: Spring 2009; Member: Spring 2002 – Spring 2003, Fall 2008
Engineering Curriculum Committee, Chair: Fall 2012 – Spring 2013; Member: Spring 2002 – Spring 2003, Fall 2008 – Spring 2012
Search Committee, Industrial and Manufacturing Engineering Faculty, Member: Spring 2002
Student Chapter Faculty Advisor, Biomedical Engineering Society, Fall 2008 – present

Biomedical Engineering Society (1991 – 1998), Society of Women Engineers (1996 – 1998)

Search Committees: Biomedical Engineering Faculty (1992-1993; 1/99 – 7/00), College of Engineering Associate Dean of Academic Services (1994), Civil and Environmental Engineering Faculty (1996)

FUNDED PROJECTS

R. Gettens, J. L. Cezeaux, and M. J. Rust. National Science Foundation, *MRI-R2: Acquisition of Instrumentation for a Biomedical Materials Research Laboratory*, 2/1/10 – 1/31/11, \$293,450.

J. L. Cezeaux, E. W. Haffner, and T. K. Keyser. National Science Foundation, *Multidisciplinary Design Projects to Assist Individuals with Disabilities*, 9/09 – 8/14, \$125,000.

J. L. Cezeaux, American Society for Quality (ASQ) Biomedical Division, *Redesign of a Retractor for Cleft Palate Surgery*, \$4,000

J. L. Cezeaux. American Society for Quality (ASQ) Biomedical Division, *Development of a New Process for the Design of Ventilated Prosthetic Sockets. Phase I: Pre-clinical Validation of a Method to Measure Strains in Prosthetic Sockets using Photoelasticity*, \$23,500

J. L. Cezeaux. American Society for Quality (ASQ) Biomedical Division, *Design of a Thermal-Sweating Manikin to Evaluate the Comfort of Prostheses*, \$5,700

J. L. Cezeaux. National Institute of Occupational Safety and Health, *Physiological Effects of Vibration*, 9/01 – 5/02, \$6,000

J. H. Forrester, J. L. Cezeaux, R. J. Jendrucko, and J. F. Wasserman. Whitaker Foundation, *Planning Grant for the Development of a Bachelor's Degree in Biomedical Engineering*, 6/98 - 5/99, \$50,000

J. E. Sackman and J. L. Cezeaux. American Heart Association, *Evaluation of Strategies to Improve Synthetic Vascular Graft Patency with Genetically Modified Endothelium*, 7/96 - 6/97, \$44,000

J. H. Forrester, J. L. Cezeaux, J. F. Wasserman, and R. J. Jendrucko. National Science Foundation, *Instrumentation and Laboratory Improvement: Development of Biomedical Engineering Laboratory Modules*, 9/95 - 8/98, \$134,710 (includes \$67,355 matching from UT)

J. L. Cezeaux. National Science Foundation, *Research Initiation Award: Alterations in Cardiac Myocytes and Non-myocytes in Ventricular Wall Remodeling*, 8/94 - 7/98, \$88,352

INVITED LECTURES

Biomedical Laboratory Design, presented to S3E Engineering, Inc., Springfield, VA, May 20, 2002.

Leveraging the ABET Assessment Process to Satisfy Regional Accreditation Requirements, ABET Symposium, Hollywood, FL, April 15, 2016

PUBLICATIONS

Refereed Papers

- J. L. Cezeaux, E. Haffner, and T. Keyser. The evolution of a collaborative multidisciplinary engineering design experience. *International Journal of Agile Manufacturing*, 11(1), pp. 19-25, 2009.
- **J. L. Cezeaux**, C. E. Romoser, R. S. Benson, C. K. Buck, and J. E. Sackman. VUV modification promotes endothelial cell proliferation on PTFE vascular grafts. *Nuclear Instruments & Methods in Physics B* 141:193-196, 1998.

- T. R. Reeves, J. L. Cezeaux, J. E. Sackman, D. C. Cassada, M. B. Freeman, S. L. Stevens, and M. H. Goldman. Mechanical characteristics of lyophilized human saphenous vein valves. *Journal of Vascular Surgery* 26:823-828, 1997.
- J. L. Cezeaux and A. van Grondelle. Accuracy of the inverse Womersley method for the calculation of hemodynamic variables. *Annals of Biomedical Engineering* 25:536-546, 1997.
- J. E. Sackman, J. L. Cezeaux, T. T. Reddick, M. B. Freeman, S. L. Stevens, and M. H. Goldman. Evaluation of the effect of retroviral gene transduction on vascular endothelial cell adhesion. *Tissue Engineering* 2:223-234, 1996.
- K. W. Anderson, W. I. Li, J. Cezeaux, and S. Zimmer. In vitro studies of deformation and adhesion properties of transformed cells. *Cell Biophysics* 28:81-97, 1992.
- J. L. Cezeaux, V. Austin, M. C. Hosseinipour, K. A. Ward, and S. Zimmer. The effects of shear stress and metastatic phenotype on detachment properties of transformed cells. *Biorheology* 28:195-205, 1991.
- P. W. Leopold, B. B. Chang, A. M. Kupinski, A. A. Shandall, J. Cezeaux, J. L. Kaufman, D. J. Shah, and R. P. Leather. Flow/velocity characteristics of arterial bypass stenoses. *Journal of Surgical Research* 46:23-28, 1989.

Conference Proceedings

- R. K. Bean, P. B. Stoddard, and J. L. Cezeaux. Further redesign of the Dingman mouth gag. *Proceedings of the* 43rd Annual Northeast Bioengineering Conference, New Jersey Institute of Technology, Newark, NJ, March 31 – April 2, 2017.
- F. Mourad, M. Modlish, J. Cezeaux, and C. Salmon. Exercise regime for developing countries. Proceedings of the 43rd Annual Northeast Bioengineering Conference, New Jersey Institute of Technology, Newark, NJ, March 31 – April 2, 2017.
- J. Gucciardi, J., R. Earl, and J. L. Cezeaux. Design of a device for credit card acquisition and utilization. Proceedings of the 43rd Annual Northeast Bioengineering Conference, New Jersey Institute of Technology, Newark, NJ, March 31 – April 2, 2017.
- J. R. Earl, J. Gucciardi, and J. L. Cezeaux. Assistive consumer product for credit card use: the Card Commando. *Proceedings of the 43rd Annual Northeast Bioengineering Conference*, New Jersey Institute of Technology, Newark, NJ, March 31 – April 2, 2017.
- S. Mackerer and J. L. Cezeaux. Assistive technology for use after rotator cuff surgery. Proceedings of the 2016 ASEE Northeast Section (ASEE-NE) Conference, Kingston, RI, April 2016.
- D. T. Torchia, N. R. LaPierre, J. L. Cezeaux, and P. B. Stoddard. A redesign of the Dingman mouth gag retractor. *Proceedings of the 2016 ASEE Northeast Section (ASEE-NE) Conference,* Kingston, RI, April 2016.
- J. L. Cezeaux. "And Now for Something Completely Different" A Faculty Sabbatical in Public Policy, *Proceedings of the 2015 ASEE Annual Conference and Exposition*, Seattle, WA, June 2015.
- A. M. Calverley, C. Ayotte, J. Riofrio, and J. L. Cezeaux. Dynamic testing system for evaluation of the mechanical integrity of prosthetic sockets. *Proceedings of the 40th Annual Northeast Bioengineering Conference*, Boston, MA, April 2014.

- M. L. Thomas and J. L. Cezeaux. Further development of the F.O.C.U.S.: Facilitating ongoing concentration in undergraduate students. *Proceedings of the IEEE EMBS 39th Annual Northeast Bioengineering Conference*, Syracuse, NY, April, 2013.
- A. L. Stolarik and J. L. Cezeaux. Facilitating ongoing concentration in undergraduate students (F.O.C.U.S). *Proceedings of the 2012 ASEE Northeast Section (ASEE-NE) Conference*, Lowell, MA, April 2012.
- M. J. Rust, R. T. Gettens, R. D. Beach, and J. L. Cezeaux. An engineering outreach activity for K-12 students involving robotic surgery. *Proceedings of the 2011 Biomedical Engineering Society Annual Meeting*, Hartford, CT, October 2011.
- J. L. Cezeaux, M. J. Rust, R. Gettens, R. D. Beach, and J. A. Criscuolo. Implementation of a biomedical engineering summer program for high school students. *Proceedings of the 2011 ASEE Annual Conference and Exposition*, Vancouver, BC, Canada, June 2011.
- B. Kozniewski and J. L. Cezeaux. Wheelchair pressure monitoring alert system for the reduction of the occurrence of pressure sores. *Proceedings of the IEEE EMBS 37th Annual Northeast Bioengineering Conference*, Troy, NY, March 2011.
- J. L. Russo and J. L. Cezeaux. Design of a wheelchair pressure monitoring system. *Proceedings of the IEEE EMBS 36th Annual Northeast Bioengineering Conference*, New York, NY, March 2010.
- E. Haffner, J. Cezeaux, and T. Keyser. A multidisciplinary design experience that addresses several ABET outcomes also provides a framework for international student collaboration. *Proceeding of the 39th International Conference on Computers & Industrial Engineering*, Troyes, France, July 2009.
- M. R. Haley, J. L. Cezeaux, and P. B. Stoddard. Redesign of a retractor used in cleft palate surgery. *Proceedings* of the IEEE EMBS 35th Annual Northeast Bioengineering Conference, Boston, MA, April 2009.
- S. Baldwin, J. L. Cezeaux. Pre-clinical validation of a method to measure strains in prosthetic sockets using photoelasticity. *Proceedings of the IEEE EMBS 35th Annual Northeast Bioengineering Conference*, Boston, MA, April 2009.
- J. L. Cezeaux, E. W. Haffner, and T. Keyser. The evolution of a collaborative multidisciplinary engineering design experience. *Proceedings of the 2008 IAJC-IJME International Conference on Engineering & Technology*, Nashville, TN, November 2008.
- J. L. Cezeaux, E. Haffner, T. K. Keyser, A. Kaboray, and C. Hasenjager. Introducing universal design concepts in an interdisciplinary laboratory project. *Proceedings of the 2008 ASEE Annual Conference and Exposition*, Pittsburgh, PA, June 2008.
- T. K. Keyser, J. L. Cezeaux, and E. Haffner. Universal design for the disabled: an interdisciplinary undergraduate laboratory project. *Proceedings of the Institute of Industrial Engineers Conference and Exposition*, Vancouver, British Columbia, Canada, May 2008.
- E. S. Yoshimaru, J. L. Cezeaux, and S. Thomsen. Design and validation for an active cooling system for a prosthetic socket. *Proceedings of the IEEE EMBS 34th Annual Northeast Bioengineering Conference*, Providence, RI, April 2008.
- R. L. Cardin, J. L. Cezeaux, and S. Thomsen. Strain measurements on a prosthetic socket to improve ventilated socket design. *Proceedings of the IEEE EMBS 34th Annual Northeast Bioengineering Conference*, Providence, RI, April 2008.

- **J. L. Cezeaux**, E. Haffner, A. Kaboray, and C. Hasenjager. Design for the disabled as an interdisciplinary laboratory project. *Proceedings of the 2007 ASEE Annual Conference and Exposition*, Honolulu, HI, June 2007.
- S. Schreiner, J. L. Cezeaux, and D. Testa. Faculty-friendly assessment systems for biomedical engineering programs. *Proceedings of the 2007 ASEE Annual Conference and Exposition*, Honolulu, HI, June 2007.
- C. M. Lafond, H. Des Moines, S. Schreiner, and J. L. Cezeaux. Design of a wicking apparatus and environmental chamber to determine properties of prosthetic socks. *Proceedings of the IEEE EMBS 33rd Annual Northeast Bioengineering Conference*, Stony Brook, NY, March 2007.
- A. Mariani, J. D. Nacsin, S. Schreiner, and J. L. Cezeaux. Design of artery models used to visualize flow patterns. *Proceedings of the IEEE EMBS 33rd Annual Northeast Bioengineering Conference*, Stony Brook, NY, March 2007.
- M. J. Solomito, C. R. Berglind, J. L. Cezeaux, S. Schreiner, and S. Thomsen. The design of a thermal-sweating manikin to evaluate the comfort of prostheses. Part I: heating system. *Proceedings of the IEEE EMBS 33rd Annual Northeast Bioengineering Conference*, Stony Brook, NY, March 2007.
- C. R. Berglind, M. J. Solomito, J. L. Cezeaux, S. Schreiner, and S. Thomsen. The design of a thermal-sweating manikin to evaluate the comfort of prostheses. Part II: sweating system. *Proceedings of the IEEE EMBS* 33rd Annual Northeast Bioengineering Conference, Stony Brook, NY, March 2007.
- C. Yantsides, J. L. Cezeaux, and S. Thomsen. Design of a system to evaluate the thermal conductivity of prosthetic materials. *Proceedings of the IEEE EMBS 33rd Annual Northeast Bioengineering Conference*, Stony Brook, NY, March 2007.
- M. Fleshman, J. L. Cezeaux, and S. Thomsen. Design of a device and method to test the wickability of fabrics and materials used in prosthetic socket liners. *Proceedings of the IEEE EMBS 32nd Annual Northeast Bioengineering Conference*, Easton, PA, April 2006.
- L. Steele and J. L. Cezeaux. Design of a molecular transport laboratory for undergraduate biomedical engineering students. *Proceedings of the IEEE EMBS 32nd Annual Northeast Bioengineering Conference*, Easton, PA, April 2006.
- J. L. Cezeaux, S. Schreiner, and D. Testa. Integration of diverse laboratory experiences throughout the biomedical engineering curriculum. *Proceedings of the 2006 ASEE Annual Conference and Exposition*, Chicago, IL, June 2006.
- H. Hasulak and J. L. Cezeaux. Design and validation of a test fixture to model hand arm vibration syndrome using cultured mammalian cells. *Proceedings of the IEEE 30th Northeast Bioengineering Conference*, Springfield, MA, April 2004.
- M. B. Vollaro, D. M. Muratore, and J. L. Cezeaux. Engineering exploration for Junior Girls Scouts: establishing a partnership and implementing a hands-on activity. *Proceedings of the American Society for Engineering Education New England Regional Conference*, Orono, ME, May 2003.
- J. R. Loomis, J. L. Cezeaux, and D. Muratore. Comparison of glomerular filtration rate in spontaneously hypertensive and Wistar-Kyoto rats measured using creatinine clearance. *Proceedings of the IEEE 29th* Northeast Bioengineering Conference, Newark, NJ, March 2003.

- J. L. Cezeaux, W. G. Lindsley, and L. Wiseman. Effects of vibration on vascular permeability in rats. *Biomedical Engineering: Recent Developments*. (Proceedings of the 21st Southern Biomedical Engineering Conference, Bethesda, MD, September 2002)
- L. Wiseman and J. L. Cezeaux. Experimental procedure to test the effects of vibration on vascular permeability in rats. *Proceedings of the IEEE 28th Northeast Bioengineering Conference*, Philadelphia, PA, April 2002. (3rd place for undergraduate oral presentations)
- C. R. Humphrey, J. L. Cezeaux, and S. Schreiner. The design and fabrication of a closed loop steady flow system for the study of thermodilution. *Proceedings of the IEEE 28th Northeast Bioengineering Conference*, Philadelphia, PA, April 2002. (3rd place for undergraduate poster presentations)
- S. Krause, M. Faust, N. Sorvillo, J. L. Cezeaux, S. Schreiner, and R. Mindek. Development and validation of a system to determine the effects of noise and whole body vibrations on rats. *Proceedings of the IEEE 27th Northeast Bioengineering Conference*, Storrs, CT, March 2001. (2nd place for undergraduate presentations)
- J. R. Szymankiewicz, R. S. Benson, J. L. Cezeaux, T. T. Reddick, and J. E. Sackman. Evalulation of the effect of vacuum UV surface modification on the adhesion of fibrin glue to expanded polytetrafluorethylene vascular grafts. *Proceedings of Surfaces in Biomaterials '97*, Minneapolis, MN, September 1997.
- J. L. Cezeaux, K. S. Banta, and W. R. Jacobs. Nonmyocyte hyperplasia is modulated by angiotensin II and stretch. *Proceedings of the 16th Southern Biomedical Engineering Conference*, Biloxi, MS, April 1997.

Abstracts and Presentations (presenter underlined)

- M. R. Haley, J. L. Cezeaux, and P. B. Stoddard. "Improved mouth gag design used for cleft palate surgery," Proceedings of the Biomedical Engineering Society Annual Meeting, Pittsburgh, PA, October 2009.
- <u>M. J. Solomito</u>, C. R. Berglind, **J. L. Cezeaux**, S. Schreiner, and S. Thomsen. The design of a thermal-sweating manikin to evaluate the comfort of prostheses. Proceedings of the Biomedical Engineering Society Annual Meeting, Los Angeles, CA, September 2007.
- J. L. Cezeaux, E. Haffner, W. Brown, and T. Keyser. A novel multi-disciplinary experience for biomedical and industrial engineering students. Proceedings of the Biomedical Engineering Society Annual Meeting, Baltimore, MD, October 2005.
- S. Schreiner and J. L. Cezeaux. A biomedical engineering laboratory experience adaptable across educational levels. Proceedings of the Biomedical Engineering Society Annual Meeting, Nashville, TN, October 2003.
- N. Sorvillo, M. Faust, S. Krause, <u>J. L. Cezeaux</u>, and S. Schreiner. The effect of whole body vibration and noise on the inflammatory response in rats. *Annals of Biomedical Engineering* 29(Suppl 1):S-44, 2001. (Presented at the Biomedical Engineering Society Annual Meeting, Durham, NC, October 2001).
- W. G. Lindsley, C. M. Johnson, J. L. Cezeaux, and M. L. Kashon. Effect of vibration on IL-8 production by dermal microvascular endothelial cells. *Annals of Biomedical Engineering* 29(Suppl 1):S-41, 2001. (Presented at the Biomedical Engineering Society Annual Meeting, Durham, NC, October 2001).
- J. L. Cezeaux and <u>W. G. Lindsley</u>. The effect of effect of vibration on endothelin-1 production by dermal microvascular endothelial cells. *Annals of Biomedical Engineering* 28(Suppl 1):S-75, 2000. (Presented at the Biomedical Engineering Society Annual Meeting, Seattle, WA, October 2000).

- J. L. Cezeaux, K. W. Belew, and J. E. Sackman. Endothelial cell realignment and elongation in response to shear stress is not altered by retroviral transduction. *Annals of Biomedical Engineering* 26(Suppl 1): S-144, 1998. (Presented at the Biomedical Engineering Society Annual Meeting, Cleveland, OH, October 1998).
- <u>T. R. Reeves</u>, **J. L. Cezeaux**, D. C. Cassada, J. E. Sackman, S. L. Stevens, M. B. Freeman, and M. H. Goldman. Hemodynamic characteristics of lyophilized human saphenous vein valves. Presented at the 9th Annual Meeting of The American Venous Forum, San Antonio, TX, February, 1997.
- J. E. Sackman, J. L. Cezeaux, T. T. Reddick, M. B. Freeman, S. L. Stevens, and M. H. Goldman. The effect of retroviral gene transfer on endothelial cell adhesion to ePTFE. Presented at the Keystone Symposium on Atherosclerosis, Keystone, CO, January 1997.
- J. E. Sackman, J. L. Cezeaux, T. T. Reddick, M. B. Freeman, S. L. Stevens, and M. H. Goldman. The effect of retroviral gene transfer on endothelial cell adhesion and cell cycle kinetics. Presented at Experimental Biology, Washington, DC, April 1996.
- J. E. Sackman, J. L. Cezeaux, T. A. Thompson, M. B. Freeman, S. L. Stevens, and M. H. Goldman. Retroviral gene transfer alters vascular endothelial cells adhesion to matrix proteins under shear stress. Presented at the Keystone Symposium on Tissue Engineering and Wound Healing, Taos, NM, January 1996.
- J. E. Sackman, <u>J. L. Cezeaux</u>, M. B. Freeman, M. H. Goldman, and S. L. Stevens. The effect of seeding substrate on the response to shear stress of retrovirally transduced vascular endothelial cells. *Annals of Biomedical Engineering* 22(Suppl 1):29, 1994. (Presented at the Biomedical Engineering Society Annual Meeting, Tempe, AZ, October 1994).
- K. <u>W. Anderson</u>, S. Zimmer, and **J. Cezeaux**. Detachment of transformed cells in metastasis formation: mechanisms of action. Presented at the 1992 Annual AIChE Meeting, Miami, FL, November 1992.
- J. L. Cezeaux, <u>K. A. Ward</u>, C. Santos, T. Davis, and S. Zimmer. Detachment of transformed cells in the presence of phospholipase, cyclooxygenase, and lipoxygenase inhibitors. Presented at the 1991 Annual AIChE Meeting, Los Angeles, CA, November 1991.
- K. A. Ward, J. Cezeaux, P. Everman, T. Davis, and S. Zimmer. In vitro studies of deformation and adhesion of transformed cells. *Annals of Biomedical Engineering* 19:591,1991. (Presented at the Biomedical Engineering Society Annual Meeting, Charlottesville, VA, October 1991).
- J. L. Cezeaux, K. A. Ward, V. Austin, M. C. Hosseinipour, and S. Zimmer. The effects of shear stress and metastatic phenotype on the adhesive properties of transformed cells. *FASEB Journal* 5:A1038, 1991.
- M. C. Hosseinipour, J. L. Cezeaux, and K. A. Ward. The effects of shear stress on the adhesive properties of transformed cells. Presented at the 1990 Annual AIChE Meeting, Chicago, IL, November 1990.
- J. L. Cezeaux, K. A. Ward, V. Austin, and S. Zimmer. Effect of hemodynamics on tumor cell/endothelium adhesion. Presented at the 1990 Annual AIChE Meeting, Chicago, IL, November 1990.
- J. L. Cezeaux and A. van Grondelle. Importance of nonlinearities in the calculation of velocity profiles in the entrance region of circular tubes for oscillatory flow. Presented at the 1st World Congress of Biomechanics, La Jolla, CA, August 1990.

Patents

J. L. Cezeaux, P. F. DosSantos, J. S. Gucciardi, D. J. Kastrinakis, P. A. Meyers. "Assistive Device for Card Retrieval," US Provisional Patent Application, US 62/484,053, filed April 11, 2017.