- Christopher P. Cheng, Ph.D. -

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Summary

- Executive management, R&D, sales training, business development, preclinical and clinical testing
- Expertise in biomechanics, medical imaging, FEA, geometric modeling, statistics, epidemiology, anatomy/physiology
- Implant design, delivery system design, Nitinol, manufacturing & processing techniques, regulatory testing
- Experience with FDA regarding mechanical testing, simulation, animal testing, and MRI safety/compatibility
- Advising of doctoral and postdoctoral students, grant writing, teaching
- Author of 23 journal publications, and 39 conference publications

Education

Stanford University	Stanford, CA	Ph.D. , 2002 Mechanical Engineering (Biomechanical Engineering Division)
Stanford University	Stanford, CA	M.S. , 2000 Mechanical Engineering (Biomechanical Engineering Division)
Duke University	Durham, NC	B.S.E. , 1998 Biomedical Engineering and Electrical & Computer Engineering
University of Oxford	Oxford, England	Study in Economics and International Markets, 1996

Professional History

2012 – Present • Kōli, Inc.

Co-Founder and CEO

• Minimally-invasive treatment for gallstone disease

• Principal Investigator for NSF SBIR Phase I, Phase IB, and Phase II awards

2006 - Present• Stanford University, Department of Surgery
Consulting Associate Professor (2012 - Present)
Consulting Assistant Professor (2006 - 2011)

- Director of biomechanics research related to interactions between the cardiovascular system and implantable vascular devices using medical imaging, geometric modeling, and computational methods
- Post-doctoral advisee: Ga-Young Suh, Ph.D. (2011)
- Pre-doctoral advisees: Brian Liu (2012-2014), Adam Tenforde, M.D. (2006-2010), Gilwoo Choi, Ph.D. (2005-2009)

2002 – Present • Biomedical Consulting

Consultant

• Consulting for medical imaging, anatomy/physiology, biomechanics, engineering testing, device design, regulatory

1999 – Present

Lecturer, Consultant, Buyer, and Judge

- Certified Specialist of Wine (CSW) through the Society of Wine Educators
- Wine lecturing, consulting, private wine production, and judging for trade, corporate, and private events
- Wine consultant for Chez TJ (Michelin star restaurant) in Mountain View, CA
- Founder and lecturer of Stanford Viticulture Course and Stanford Wine Club; Judge for Stanford Wine Program

2011 – 2012 • Nitinol Devices & Components

Enology

Entrepreneur in Residence

• Emerging opportunities

• Tendyne Medical, Inc.

General Manager

• Minimally-invasive treatment for mitral regurgitation

2007 – 2010 • NovoStent Corporation

Director of Technology

• Directed technology development for a peripheral stent platform, including functional requirements, stent design, materials, clinical performance, and *in vivo*, *in vitro*, and *in silico* testing

• In charge of end-to-end R&D of next generation stent from design through pivotal GLP animal trial and other preclinical evaluations leading up to European clinical trial and US-IDE

2005 – 2007 • Johnson & Johnson, Nitinol Devices & Components and Cordis Corporation *Principal Engineer/Program Manager*

- Founder and director of the Cordis Biomechanics Group; led international team to investigate the biomechanical environment of the cardiovascular system for clinical trials, academic research, device design, and testing
- Cardiovascular Device Design; exploratory research and development for a novel hybrid vascular implant and other early device concepts; FDA interactions for IDE submissions, e.g. fatigue and MRI testing

2002 – 2005 • Stanford University, Departments of Mechanical Engineering, Pediatrics, and Radiology Research Associate

- Hemodynamic quantification in large vessels at rest and during exercise for healthy subjects, patients with systemic vascular disease, and pediatric patients with congenital heart disease
- RESIStent Program: Consortium with medical device industry to describe the superficial femoral artery environment

1998 – 2002 • Stanford Cardiovascular Biomechanics Lab

Ph.D. Student

• Quantification of hemodynamic conditions in the human abdominal aorta at rest and during exercise involving: computational methods, mechanical design, MRI scanning, medical imaging physics, clinical trials, cardiovascular anatomy and physiology, exercise physiology, epidemiology, statistics

1995 – 1998 • Internships and Academic Research

- Neural network software development for Global Science & Technology, Inc.
- Mechanism design for 2nd and 3rd Servicing Missions of the Hubble Space Telescope for Swales Aerospace/NASA
- Orthopedic biomechanics research for Duke Orthopedics Biomechanics Lab

Patents, Applications, and Disclosures

- Stent, Patent #US D665,500 S (2012)
- Delivery System for Vascular Prosthesis with Decreased Deployment Force (2010)
- Vascular Prosthesis with Stress Relief Slots (2009)
- Vascular Prosthesis Assembly with Retention Mechanism and Method (2008)
- Radially Expandable Prosthesis with Electrospun Covering and Method for Producing Same (2006)
- Extra Flexible Stent Ends Designed for Overlapping to Produce Approximate Uniform Flexibility Along The Entire Stented Length (2006)
- Fiber Bridges Between Stent Rings to Communicate Tension While Freely Accommodating Compression, Bending, and Torsion (2006)
- Methods and Apparatus for Matching the Axial Strain State of Intraluminal Implantable Devices with that of Surrounding Native Tissue (2006)
- Methods and Apparatus to Increase Axial Tension in a Blood Vessel Using an Intraluminal Implant (2006)
- Methods and Apparatus to Shorten a Blood Vessel and/or Increase Axial Tension (2006)

Board Memberships

- Corporate Boards: Koli, Tendyne Medical, The Power Rank
- Scientific Advisory Boards: 480 Biomedical
- Non-Profit Boards: EPA Boxing Club

Awards

- Standards of Leadership Award, Johnson & Johnson (2006)
- Whitaker Fellow, The Whitaker Foundation (1998-2002)
- First Place of Ph.D. competition at ASME Summer Bioengineering Conference (2001)

Other Accomplishments & Skills

- Boy Scouts of America Eagle Scout with Gold Palm; Order of the Arrow
- Martial Arts Black Belt in Tang Soo Do; Kung-fu training at The Shaolin Temple of China; Boxing at Oxford
- Foreign Language Fluent in Mandarin Chinese

Journal Publications

In Preparation

- Choi, G., Xiong, G., Cheng, C.P., Taylor, C.A., "Methods for Characterizing Human Coronary Artery Deformation from Cardiac-Gated Computed Tomography Data" submitted to *Transactions on Biomedical Engineering*
- Suh G., Beygui, R.E., Fleischmann, D., Cheng, C.P. "Quantification of Aortic Arch Vessel Geometries and Deformations in Patients with Thoracic Aortic Disease Using Computed Tomography-Based Modeling Techniques," submitted to *Journal of Thoracic and Cardiovascular Surgery*
- Choi, G., Cheng, C.P. "Quantification of the in vivo kinematics of the superficial femoral artery due to hip and knee flexion using magnetic resonance imaging"

Published

- 1) Suh, G., Choi, G., Herfkens, R.J., Dalman, R.L., **Cheng, C.P.** (2013) "Respiration-Induced Deformation of the Superior Mesenteric and Renal Arteries in Patients with Abdominal Aortic Aneuryms," *Journal of Vascular and Interventional Radiology*, 24: 1035-1042.
- 2) Suh, G., Choi, G., Draney, M.T., Herfkens, R.J., Dalman, R.L., Cheng, C.P. (2013) "Respiratory-Induced 3D Deformations of the Renal Arteries Quantified with Geometric Modeling During Inspiration and Expiration Breath-holds of Magnetic Resonance Angiography," *Journal of Magnetic Resonance Imaging*, 38(6): 1325-1332.
- 3) Suh, G., Les, A.S., Tenforde, A.S., Shadden, S.C., Spilker, R.L., Yeung, J.J., Cheng, C.P., Herfkens, R.J., Dalman, R.L., Taylor, C.A. (2011) "Hemodynamic Changes Quantified in Abdominal Aortic Aneurysms With Increasing Exercise Intensity Using MR Exercise Imaging and Image-Based Computational Fluid Dynamics," *Annals of Biomedical Engineering*, 39(8): 2186-2202.
- 4) Zeller, T., Braunlich, S., Waldo, M., Cheng, C.P., Macharzina, R., Scheinert, D., Rastan, A. (2011) "The NovoStent® SAMBA® stent: A novel alternating helix self-expanding nitinol stent design," *Interventional Cardiology*, 3(2): 247-261.
- 5) Suh, G., Les, A.S., Tenforde, A.S., Shadden, S.C., Spilker, R.L., Yeung, J.J., Cheng, C.P., Herfkens, R.J., Dalman, R.L., Taylor, C.A. (2011) "Quantification of Particle Residence Time in Abdominal Aortic Aneurysms Using Magnetic Resonance Imaging and Computational Fluid Dynamics," *Annals of Biomedical Engineering*, 39(2): 864-883.
- 6) Tenforde, A.S., **Cheng, C.P.**, Suh, G., Herfkens, R.J., Dalman, R.L., Taylor, C.A. (2010) "Quantifying *In Vivo* Hemodynamic Response to Exercise in Patients with Intermittent Claudication and Abdominal Aortic Anuerysms Using Cine Phase-Contrast MRI," *Journal of Magnetic Resonance Imaging*, 31(2): 425-429.
- 7) Cheng, C.P., Choi, G., Herfkens, R.J., Taylor, C.A. (2010) "The Effect of Aging on Deformations of the Superficial Femoral Artery Due to Hip and Knee Flexion: Potential Clinical Implications," *Journal of Vascular and Interventional Radiology*, 21(2): 195-202.
- 8) Choi, G., Suh, G., Shin, L.K., Taylor, C.A., Cheng, C.P. (2009) "In Vivo Deformation of the Human Abdominal Aorta and Common Iliac Arteries With Hip and Knee Flexion: Implications for the Design of Stent-Grafts," Journal of Endovascular Therapy, 16(5): 531-538.
- 9) Choi, G., Cheng, C.P., Wilson, N.M., Taylor, C.A. (2009) "Methods for Quantifying Three-Dimensional Deformation of Arteries Due to Pulsatile and Nonpulsatile Forces: Implications for the Design of Stents and Stent Grafts," *Annals of Biomedical Engineering*, 37(1): 14-33.
- Cheng, C.P. (2008) "A Review of Peripheral Vascular Deformations Due to Respiration and Musculoskeletal Influences," *Journal of ASTM International (Symposium on Fatigue and Fracture of Medical Metallic Materials and Devices)*, 5(10): Paper ID JAI102074.
- 11) Robertson, S.W., **Cheng, C.P.**, Razavi, M.K. (2008) "Biomechanical Response of Stented Carotid Arteries to Swallowing and Neck Motion," *Journal of Endovascular Therapy*, 15: 663-671.
- 12) Robertson, S.W., Jessup, D.B., Boero, I.J., **Cheng, C.P.** (2008) "Right Renal Artery *In Vivo* Stent Fracture," *Journal of Vascular and Interventional Radiology*, 19: 439-442.
- 13) **Cheng, C.P.**, Taur, A.S., Lee, G.S., Goris, M.L., Feinstein, J.A. (2006) "Relative Lung Perfusion Distribution in Normal Subjects: Observations and Clinical Implications," *Congenital Heart Disease*, 1: 210-216.
- 14) Cheng, C.P., Wilson, N.M., Hallett, R.L., Herfkens, R.J., Taylor, C.A. (2006) "In Vivo MR Angiographic Quantification of Axial and Twisting Deformations of the Superficial Femoral Artery Resulting from Maximum Hip and Knee Flexion," Journal of Vascular and Interventional Radiology, 17: 979-987.
- 15) Tang, B.T., Cheng, C.P., Draney, M.T., Wilson, N.M., Tsao, P.S., Herfkens, R.J., Taylor, C.A. (2006) "Abdominal Aortic Hemodynamics in Young Healthy Adults at Rest and during Lower Limb Exercise: Quantification using Image-Based Computer Modeling," *American Journal of Physiology – Heart and Circulatory Physiology*, 291: H668-H676.

- 16) Cheng, C.P., Herfkens, R.J., Taylor, C.A., Feinstein, J.A. (2005) "Proximal Pulmonary Artery Blood Flow Characteristics in Healthy Subjects Measured in an Upright Posture Using MRI: The Effects of Exercise and Age," *Journal of Magnetic Resonance Imaging*, 21: 752-758.
- 17) **Cheng, C.P.**, Herfkens, R.J., Lightner, A.L., Taylor, C.A., Feinstein, J.A. (2004) "Blood Flow Conditions in the Proximal Pulmonary Arteries and Vena Cavae in Healthy Children During Upright Seated Rest and Cycling Exercise, Quantified with MRI," *American Journal of Physiology Heart and Circulatory Physiology*, 287(2): H921-926.
- 18) Cheng, C.P., Herfkens, R.J., Taylor, C.A. (2003) "Abdominal Aortic Hemodynamic Conditions in Healthy Subjects Aged 50-70 at Rest and During Lower Limb Exercise: *In Vivo* Quantification Using MRI," *Atherosclerosis*, 168: 323-331.
- 19) Cheng, C.P., Herfkens, R.J., Taylor, C.A. (2003) "Inferior Vena Caval Hemodynamics Quantified In Vivo at Rest and During Lower Limb Exercise Using Magnetic Resonance Imaging," American Journal of Physiology – Heart and Circulatory Physiology, 284(4): H1161-1167.
- 20) **Cheng, C.P.**, Herfkens, R.J., Taylor, C.A. (2003) "Dynamic Exercise Imaging With an MR-Compatible Stationary Cycle Within the General Electric Open Magnet," *Magnetic Resonance in Medicine*, 49(3): 581-585.
- 21) **Cheng, C.P.**, Herfkens, R.J., Taylor, C.A. (2003) "Comparison of Abdominal Aortic Hemodynamics Between Men and Women at Rest and During Lower Limb Exercise," *Journal of Vascular Surgery*, 37(1): 118-123.
- 22) **Cheng, C.P.**, Parker, D., Taylor, C.A. (2002) "Quantification of Wall Shear Stress in Large Blood Vessels Using Lagrangian Interpolation Functions with Cine PC-MRI," *Annals of Biomedical Engineering*, 30: 1020-1032.
- 23) Taylor, C.A., Cheng, C.P., Espinosa, L.A., Tang, B.T., Parker, D., Herfkens, R.J. (2002) "In Vivo Quantification of Blood Flow and Wall Shear Stress in the Human Abdominal Aorta During Lower Limb Exercise," Annals of Biomedical Engineering, 30: 402-408.

Conference Publications

- 1) Suh, G., Beygui, R., Fleischmann, D., **Cheng, C.P.** (2014) "Respiratory- and Cardiac-Induced Motion of the Thoracic Aorta in Patients with Thoracic Aortic Disease," *2014 Society of Interventional Radiology Annual Scientific Meeting*, Abstract #18.
- Suh, G., Beygui, R., Marangi, R., Fleischmann, D., Cheng, C.P. (2013) "Respiratory- and Cardiac-Induced Branch Deformation of the Aortic Arch Vessels in Patients with Thoracic Aortic Disease," 2013 International Symposium of Endovascular Therapy, Poster ID #20.
- 3) Suh, G., Cheng, C.P. (2012) "Respiration-induced Deformation of the Abdominal Arteries in Patients with Abdominal Aortic Aneurysms," *2012 US-Korea Conference*.
- 4) Suh, G., Choi, G., Draney, M.T., Herfkens, R.J., Dalman, R.L., Cheng, C.P. (2012) "Respiratory Deformation of the Superior Mesenteric Artery and Renal Arteries in Patients with Abdominal Aortic Aneurysms," 2012 Society of Interventional Radiology Annual Scientific Meeting, Abstract #422.
- 5) Suh, G., Choi, G., Draney, M.T., Herfkens, R.J., Dalman, R.L., Cheng, C.P. (2012) "Respiratory Deformation of the Renal Arteries in Healthy Subjects and Patients with Abdominal Aortic Aneurysms," 2012 International Symposium of Endovascular Therapy, Abstract #750042.
- 6) **Cheng, C.P.**, Suh, G., Choi, G. (2010) "Renal Artery and Abdominal Aortic Biomechanics," 2010 Stent Summit at the *Cleveland Clinic*, Invited Faculty.
- 7) Zeller, T., Johnson, A., **Cheng, C.P.**, Martin, G.R. (2009) "Evaluation of NovoStent's SAMBA Stent," 2009 *Transcatheter Therapeutics Conference*, Abstract #597.
- 8) Zeller, T., Johnson, A., **Cheng, C.P.**, Martin, G.R. (2009) "Animal Evaluation of a Novel Alternating Helical Stent," *EuroPCR, EuroIntervention*, Volume 5, Supplement E, p. E41.
- 9) Choi, G., Dusch, M.N., Xiong, G., Xiao, N., Cheng, C.P., Taylor, C.A. (2009) "In Vivo Quantification of Human Coronary Artery Deformation from Cardiac-Gated Computed Tomography Data," 2009 ASME Summer Bioengineering Conference.
- Suh, G.K., Tenforde, A., Shadden, S., Spilker, R., Cheng, C.P., Herfkens, R.J., Dalman, R.L., Taylor, C.A. (2009) "Hemodynamics in Abdominal Aortic Aneurysms at Rest and Graded Levels of Exercise," 2009 ASME Summer Bioengineering Conference.
- 11) **Cheng, C.P.**, Choi, G., Cukur, T. (2008) "Tibial Artery Biomechanics," 2008 Stent Summit at the Cleveland Clinic, Invited Faculty.
- 12) Choi, G., Shin, L.K., Taylor, C.A., **Cheng, C.P.** (2008) "Quantification of the Deformation of the Human Iliac Arteries with Hip and Knee Flexion: Implications for Stent-Graft Design," *2008 ASME Summer Bioengineering Conference*.
- 13) **Cheng, C.P.** (2008) "Carotid Artery Deformations Due to Musculoskeletal Motion and Comparisons with Other Anatomies," *2008 ASTM Fatigue and Fracture of Medical Metallic Materials and Devices*, Invited Faculty.
- 14) **Cheng, C.P.** (2008) "The Dynamic Environment of the SFA," 2008 Society of Interventional Radiology Annual Scientific Meeting, Invited Faculty.

- 15) Choi, G., Wilson, N.M., Cheng, C.P., Herfkens, R.J., Taylor, C.A. (2008) "Quantification of the *In Vivo* Kinematics of the Superficial Femoral Artery Due to Hip and Knee Flexion Using Magnetic Resonance Imaging," 16th International Society for Magnetic Resonance in Medicine, Abstract #2062.
- 16) Tenforde, A., Cheng, C.P., Suh, K.Y., Les, A.S., Dalman, R.L., Herfkens, R.J., Taylor, C.A. (2008) "Hemodynamic Response to Exercise in Small Aortic Aneurysms," 16th International Society for Magnetic Resonance in Medicine, Abstract #1970.
- 17) **Cheng, C.P.**, Robertson, S.W. (2007) "Non-Pulsatile Carotid Artery Biomechanics," 2007 Stent Summit at the *Cleveland Clinic*, Invited Faculty.
- Cao, E., Cheng, C.P. (2007) "In Vivo 3D Deformations of the Human Iliac Artery Due to Hip Flexion," 2007 Transcatheter Therapeutics Conference, Abstract #587
- 19) Choi, G., Cheng, C.P., Wilson, N.M., Taylor, C.A. (2007) "Methods for Quantifying Vessel Deformation Due to Pulsatile and Non-Pulsatile Forces," 2007 ASME Summer Bioengineering Conference.
- 20) Les, A.S., Cheng, C.P., Draney Blomme, M.T., Figueroa, C.A., LaDisa, J.F., Park, J.M., Herfkens, R.J., Dalman, R.L., Taylor, C.A. (2007) "Hemodynamics in Abdominal Aortic Aneurysms During Rest and Simulated Exercise," 2007 ASME Summer Bioengineering Conference.
- 21) Cheng, C.P., Choi, G., Suh, G., Donovan, F.D., Herfkens, R.J., Taylor, C.A. (2006) "In Vivo Axial and Twisting Deformations of the Superficial Femoral Artery Due to Hip and Knee Flexion: The RESIStent Consortium Experience," 2006 Transcatheter Therapeutics Conference, Abstract #2616.
- 22) Choi, G., **Cheng, C.P.**, Suh, G., Donovan, F.D., Herfkens, R.J., Taylor, C.A. (2006) "Quantification of Radial Compression and Deflection of the Superficial Femoral Artery Due to Musculoskeletal Motion," 2006 Transcatheter Therapeutics Conference, Abstract #258.
- 23) Cheng, C.P. (2006) "Arterial Biomechanics for Vascular Implants," Complications Conference, Jackson Hole, WY
- 24) **Cheng, C.P.** (2006) "Functional Vascular Imaging for Medical Devices," 2006 Society for Medical Innovation and Technology (SMIT) Conference
- 25) Fonte, T.A., Cheng, C.P., Spilker, R.L., Taylor, C.A., Feinstein, J.A. (2005) "Patient-Specific 3-Dimensional Computational Models Quantifying Central, Lobar and Segmental Pulmonary Artery Hemodynamics with Morphometric Representation of Distal Vessels" 2005 American Heart Association Conference
- 26) **Cheng, C.P.**, Wilson, N.M., Herfkens, R.J., Taylor, C.A. (2005) "*In Vivo* Deformations of the Superficial Femoral Artery Possible Cause of Stent Fractures?" 2005 ASME Summer Bioengineering Conference.
- 27) Song, B.P., Bennett, N.R., Cheng, C.P., Fahrig, R., Wilson, N.M., Taylor, C.A. (2005) "Methods for Imaging and Quantifying Stent Deformation in the Superficial Femoral Artery," 2005 ASME Summer Bioengineering Conference.
- 28) Cheng, C.P., Wilson, N.M., Herfkens, R.J., Taylor, C.A. (2005) "Superficial Femoral Artery Deformations Due to Maximal Hip and Knee Flexion: Implications for Stent Design," 13th International Society for Magnetic Resonance in Medicine, Abstract #272.
- 29) Cheng, C.P., Herfkens, R.J., Taylor, C.A., Feinstein, J.A. (2004) "In Vivo Blood Flow Characteristics in the Proximal Pulmonary Arteries of Healthy Children and Adults at Seated Rest and During Cycling Exercise," 12th International Society for Magnetic Resonance in Medicine, Abstract #557.
- 30) Cheng, C.P., Herfkens, R.J., Taylor, C.A., Feinstein, J.A. (2004) "Upright Seated Pulmonary and Caval Blood Flow Characteristics During Rest and Cycling Exercise Using Magnetic Resonance Imaging," 53rd Annual Scientific Session of the ACC, Supplement to JACC, 43(5): p. 396A.
- 31) **Cheng, C.P.**, Herfkens, R.J., Feinstein, J.A., Taylor, C.A. (2003) "*In Vivo* Quantification of Large Vessel Hemodynamics Using Exercise-Stress Magnetic Resonance Imaging," *International Bio-Fluid Symposium and Workshop*.
- 32) Cheng, C.P., Herfkens, R.J., Feinstein, J.A., Taylor, C.A. (2003) "In Vivo Quantification of Abdominal Aortic Hemodynamic Conditions at Rest and During Cycling Exercise in Healthy Subject Aged 50-70," 11th International Society for Magnetic Resonance in Medicine, Abstract #150.
- 33) Cheng, C.P., Herfkens, R.J., Dalman, R.L., Coogan, S.M., Taylor, C.A. (2003) "In Vivo Abdominal Aortic Hemodynamic Conditions at Rest and During Cycling Exercise in Young Healthy Subjects, Older Healthy Subjects, and Intermittent Claudication Patients," *Proceedings of the 2003 ASME Summer Bioengineering Conference*, p. 815-816.
- 34) Tang, B.T., Cheng, C.P., Draney, M.T., Tsao, P.S., Taylor, C.A. (2003) "Subject-Specific Finite Element Modeling of 3D Pulsatile Flow in the Human Abdominal Aorta: Comparison of Resting and Simulated Exercise Conditions," *Proceedings of the 2003 ASME Summer Bioengineering Conference*, p. 165-166.
- 35) **Cheng, C.P.** (2001) "*In Vivo* Quantification of Hemodynamic Conditions in the Human Abdominal Aorta at Rest and During Lower Limb Exercise," 2001 Annual Whitaker Conference.
- 36) Cheng, C.P., Parker, D., Taylor, C.A. (2001) "Wall Shear Stress Quantification from Magnetic Resonance Imaging Data Using Lagrangian Interpolation Functions," *Proceedings of the 2001 ASME Summer Bioengineering Conference*, p. 795-796. (Ph.D. Student Paper Competition winner)

- 37) Taylor, C.A., **Cheng, C.P.** (2001) "Hemodynamic Conditions in the Human Abdominal Aorta at Rest and During Exercise," 2001 Society of Vascular Surgeons Conference.
- 38) Cheng, C.P., Espinosa, L., Tang, B., Herfkens, R.J., Taylor, C.A. (2000) "In vivo Quantification of Blood Flow Distribution and Shear Stress in the Abdominal Aorta at Rest and During Lower Limb Exercise," Annals of Biomedical Engineering, Volume 28 Supplement 1, S-67.
- 39) **Cheng, C.P.** and Taylor, C.A. (1999) "A Computational Study of the Effect of Femorofemoral Bypass Graft Diameter on Hemodynamic Conditions," *Proceedings of the 1999 ASME Summer Bioengineering Conference*, p. 191-192.