



CURRICULUM VITAE

Jacklyn H. Brechter, PhD, PT
Chairperson,
Associate Professor Chapman University
Department of Physical Therapy
Orange, CA 92869
(714) 744-7649

Education: University of Southern California
Los Angeles, CA
Doctor of Philosophy - Emphasis in Biomechanics from Department of Biokinesiology and Physical Therapy. Dissertation title: Factors Contributing to Patellofemoral Joint Stress: A comparison of persons with and without patellofemoral joint pain.
1992- 2000

California State University - Long Beach
Long Beach, CA
Bachelor of Science, Physical Therapy
1984 - 1989

University of Texas - Arlington
Arlington, TX
Business/Accounting
1980 - 1981

University of Michigan - Dearborn
Dearborn, MI
Business/Accounting
1977 – 1979

Licensure Information/Registration Number:

Kinesiological Electromyography (KEMG) License 1997 - present
Physical Therapy - State of California 1989 - present

Certifications (eg. ABPTS):

Employment and Positions Held:

Professional Employment

2007 – present CHAPMAN UNIVERSITY - Department Chairperson, Associate Professor, Department of Physical Therapy. Primary responsibilities include Program

Director for entry level and post-professional DPT programs. Teaching responsibilities include: Musculoskeletal Practice Management, Scientific Inquiry, Advanced Therapeutic exercise and complex patient management.

1998 - present CHAPMAN UNIVERSITY - Associate Professor, Department of Physical Therapy. Primary teaching responsibilities include: Musculoskeletal Practice Management, Kinesiology, Biomechanics of Human Movement,

Directed Research, and Scientific Inquiry. Research interests include biomechanics and motor control with emphasis on mechanics of overuse injuries of the lower extremities and spine and efficacy in physical therapy.

1996 - 1998 RANCHO LOS AMIGOS MEDICAL CENTER - Pathokinesiology Gait Laboratory - research physical therapist. Responsible for clinical and research gait analysis, including managing a grant on Orthotics in Myelomeningocele, childhood versus teenage patients.

1994 - 1997 ELITE PERFORMANCE PHYSICAL THERAPY
Private practice physical therapy emphasizing orthopaedic, sports injury rehabilitation,
and chronic spine pain treatment. Consultant for other therapists on difficult patient problems.

1992 - 1994 ST. JOHN'S HOSPITAL AND HEALTH CENTER Biomechanics specialty, Outpatient orthopaedic physical therapy. Program Development in Motion Analysis Applications

1989 - 1994 OCEAN PARK ORTHOPEDIC AND SPORTS THERAPY Physical Therapist - orthopaedic and sports injury rehabilitation.

1989 SAINT MARY'S MEDICAL CENTER
Physical Therapist – Examination and management of musculoskeletal pathologies. Consulting to reduce high injury rates among staff.

Teaching Employment

1998 - present CHAPMAN UNIVERSITY
Musculoskeletal Practice Management I and II – examination and management of
musculoskeletal complaints of the lower quarter (I) and upper quarter (II).
Biomechanics of Human Movement – this course covers the biomechanics of human tissue and the implications for the clinician as well as the quantitative measurement of human movement of the entire body. I designed and implemented this course. Kinesiological Movement Analysis – biomechanics and clinical implications of the extremity and spinal joints including pathomechanics of common musculoskeletal pathologies.
Scientific Inquiry – evaluation critique of current literature and the research process. Directed Research – Independent advisor for students working individually to develop and complete a formal research project including submission to state or national conference for presentation of the results.

1992 - 1998 UNIVERSITY OF SOUTHERN CALIFORNIA
Laboratory Instructor - Introduction to Biomechanics; Kinesiology, Exercise Physiology, Clinical Electrophysiology, Analytical Anatomy

1990 - 1995 MOUNT ST. MARY'S COLLEGE
Instructor: Orthopaedic Evaluation and Treatment, Orthopaedic Specialization, Introduction to Health Care - Issues in Physical Therapy

1990 - 1994 PRINCIPLES OF BACK STABILIZATION
Course development and presentation for continuing education on the evaluation and treatment of patients appropriate for back stabilization exercises. This includes indications & contraindications for back stabilization, the progression of exercises, charting and billing, and how back stabilization programs fit into the comprehensive management of patients.

Research Employment

1998 - present CHAPMAN UNIVERSITY - Department of Physical Therapy – Associate professor responsible for development and implementation of independent line of research. Research emphasis is to understand and evaluate the mechanisms of overuse injuries and efficacy in physical therapy.
1996 - 1998 RANCHO LOS AMIGOS MEDICAL CENTER - Pathokinesiology Gait Laboratory - Research physical therapist
1994 - 1995 UNIVERSITY OF SOUTHERN CALIFORNIA Research Assistant - Biomechanics of Multi-joint Movements

Peer Reviewed Publications:

Sueki, D, **Brechter JH**, editors. ORTHOPEDIC REHABILITATION CLINICAL ADVISOR. Mosby, Elsevier Publishing, October 2009.

Brechter JH, Biomechanical considerations for clinicians. In: Orthopaedic Rehabilitation Clinical Advisor, Mosby, Elsevier Publishing, Sueki & Brechter eds, Section I Cpt 4, pp 41-55, October 2009.

Donovan S, **Brechter JH**, Sueki D, Tissue Injury and Healing In: Orthopaedic Rehabilitation Clinical Advisor, Mosby, Elsevier Publishing, Sueki & Brechter eds, Section I Cpt 1, pp 3-16, October 2009.

Mahler K, **Brechter JH**, Rehabilitation and Common Clinical Questions for the Lower Extremity. In: Orthopaedic Rehabilitation Clinical Advisor, Mosby, Elsevier Publishing, Sueki & Brechter eds, Section IV Cpt 6, pp 824-833, October 2009.

Heino-Brechter J, Powers CM, Ward SR, Terk MR, Lee TQ. QUANTIFICATION OF PATELLOFEMORAL JOINT CONTACT AREA USING MAGNETIC RESONANCE IMAGING. Magn Res Imag 21:955-959, 2003.

Brechter, JHeino, Powers, CM. PATELLOFEMORAL JOINT STRESS DURING LEVEL WALKING IN PERSONS WITH AND WITHOUT PATELLOFEMORAL PAIN. Medicine & Science in Sports and Exercise, 34(10):1582-1593; 2002.

Brechter, JHeino, Powers, CM PATELLOFEMORAL JOINT STRESS DURING STAIR ASCENT AND DESCENT IN PERSONS WITH AND WITHOUT PATELLOFEMORAL PAIN. Gait and Posture 16(2):115 – 123, 2002.

Salsich, GB, **Brechter, JH**, Farwell, D, Powers, CM. THE EFFECTS OF PATELLAR TAPING ON KNEE KINETICS, KINEMATICS, AND VASTUS LATERALIS MUSCLE ACTIVITY DURING STAIR AMBULATION IN INDIVIDUALS WITH PATELLOFEMORAL PAIN. Journal of Orthopaedic and Sports Physical Therapy 32:3-10, 2002.

Salsich, GB, **Brechter, JH**, Powers, CM. LOWER EXTREMITY KINETICS DURING STAIR AMBULATION IN PATIENTS WITH AND WITHOUT PATELLOFEMORAL PAIN. Clinical Biomechanics 16(10):906-912, 2001.

Powers, CM, **Heino, JG**, Rao, S, Perry, J. LOADING CHARACTERISTICS IN SUBJECTS WITH PATELLOFEMORAL PAIN. Clinical Biomechanics 14(10): 722-728, 1999.

McNitt-Gray, JL; Munkasy, BA; Welch, M; **Heino, JG**: KINETICS OF SUCCESSFUL AND UNSUCCESSFUL GYMNASTICS LANDINGS. Technique 14(8): 27-30, 1994.

Published Abstracts of Peer Reviewed Presentations:

Brechter JH, Fernandes J; Hunt HD, and Meng M. TEACHING AND GRADING METHODOLOGY UTILIZED FOR DELIVERY OF MUSCULOSKELETAL PRACTICE MANAGEMENT COURSES IN PHYSICAL THERAPY EDUCATION PROGRAMS IN CALIFORNIA. California Chapter Annual Conference, 2005, Ontario, California. Brechter JH
– presenter

Brechter JH, Schroeckenstein M, Irvine L, Gabrych K, ANTERIOR TO POSTERIOR JOINT MOBILIZATION IMPROVE INTERNAL ROTATION IN THE GLENOHUMERAL JOINT. JOSPT 35(1):A30, 2005.

Vuong A, McKenzie A, Brechter JH, COMPARISON OF POSTURE, RANGE OF MOTION, AND SHOULDER PAIN BETWEEN VOLLEYBALL PLAYERS AND NON VOLLEYBALL PLAYERS. JOSPT 35(1):A32, 2005.

Brechter JH, Cheatham SW, Alvarez J, Phelps N, Klick P, Madden A, Garber M, ASSESSMENT OF ANTERIOR TO POSTERIOR ACCESSORY MOBILITY IN THE GLENOHUMERAL JOINT. JOSPT 35(1):A31, 2005.

Brechter JH, Crlenjak M, Wells S, Sather J, COMPARISON OF THE PREVALENCE OF POSITIVE AMT TESTS BETWEEN SUBJECTS WITH AND WITHOUT PAIN COMPLAINTS. JOSPT 35(1):A28, 2005.

Repanich, E, McKenzie, A, Brechter JH, THE EFFECTS OF THERAPEUTIC STRETCHING ON PERSONS WITH POSTURAL ABNORMALITIES. Podium Presentation at the Annual Meeting of the American Physical Therapy Association Anaheim, CA, June 2001. Physical Therapy 2001.

Salsich GB, Farwell, D, Heino, J, Powers, CM. THE EFFECTS OF PATELLAR TAPING ON KNEE KINETICS AND KINEMATICS IN PATIENTS WITH PATELLOFEMORAL PAIN. In: Physical Therapy 80:S59-60, 2000.

Brechter, J Heino, Powers, CM, . PATELLOFEMORAL JOINT STRESS DURING STAIR ASCENT AND DESCENT: COMPARISON OF PERSONS WITH AND WITHOUT PATELLOFEMORAL PAIN. Proceedings of the American Society for Biomechanics, 27-28, 2000.

Brechter, J Heino, Powers, CM, . PATELLOFEMORAL JOINT STRESS DURING LEVEL WALKING IN SUBJECTS WITH AND WITHOUT PATELLOFEMORAL PAIN. Medicine and Science in Sports and Exercise, 32:S72, 2000.

Salsich GB, Farwell D, Brechter JH, Powers CM. . LOWER EXTREMITY KINETICS DURING STAIR AMBULATION IN SUBJECTS WITH AND WITHOUT PATELLOFEMORAL PAIN. Gait and Posture 11:117, 2000.

Heino JG, Powers CM, Terk MR, Lee TQ. MEASUREMENT OF PATELLOFEMORAL JOINT CONTACT AREA USING MAGNETIC RESONANCE IMAGING. Orthopaedic Research Society. Transactions of the ORS 24:22, 1999.

Powers CM, Heino JG. THE EFFECT OF PATELLOFEMORAL PAIN ON LOWER LIMB LOADING DURING FREE AND FAST WALKING. Medicine and Science in Sports and Exercise, 31:S189, 1999.

Heino JG, Mulroy SJ, Newsam C, Perry J. GAIT ANALYSIS COMPARISON OF 3 DIFFERENT AFO'S IN MYELOMENINGOCELE. Gait and Posture 9, 1999.

Heino JG, Powers CM. PATELLOFEMORAL STRESS DURING GAIT: A BIOMECHANICAL MODEL. Gait and Posture 9:117, 1999.

Heino JG, Mulroy SJ, Perry J. ENERGY COST OF ENDURANCE WALKING IN SUBJECTS WITH MYELOMENINGOCELE: A COMPARISON OF THREE BRACES. Gait & Posture 7(2):189, 1998.

Perry J, Newsam C, Rao S, Gronley J, Heino J. ORTHOTICS FOR MYELOMENINGOCELE PATIENTS, TEENAGE VERSUS CHILDHOOD. Journal of Rehabilitation Research and Development. Vol. 34 pg. 238, 2 pgs, 1997.

Bontrager EL., Boyd LA., Heino JG., Mulroy S.J., Perry J. DETERMINATION OF NOVEL PEDAR MASKS USING HARRIS MAT IMPRINTS. Gait & Posture 6(2), 1997.

McNitt-Gray, JL, Munkasy, B, Heino, JG, Welch, M, Eagle, J, & Smith, T: NET JOINT MOMENT POWERS AND MUSCLE ACTIVATION IN STOP AND GO LANDINGS. XVIIIth Proceedings of the American Society for Biomechanics, 69-70, 1994.

Peer Reviewed Scientific and Professional Presentations (those not previously cited above under abstracts):

Parker DJ, SPT; Taylor, AE SPT; Richardson, KL SPT; Koh, S SPT; Cipriani, DJ PhD, PT; **Brechter, JH** PhD, PT. POSTURAL ALIGNMENT IN KINDERGARTEN THROUGH SIXTH GRADE CHILDREN: Approved for Presentation at the Combined Sections Meeting of the American Physical Therapy Association, 2013, in San Diego, CA

Tierney L, DPT, Coyle A, SPT*, Kueny A, SPT*, Park S, SPT*, Yi K, SPT*, Cipriani D, PhD, PT, **Brechter, JH, PhD, PT**. NORMATIVE VALUES FOR ANKLE PLANTAR FLEXOR STRENGTH IN ACTIVE AND SEDENTARY OLDER ADULTS. Annual Conference of the American Physical Therapy Association, 2012, Tampa, FL.

Brenner J, Kushell A, Luxenberg D, Siefert R, Brechter JH, Yoga, Gym Exercise, and Posture: A Comparison Study. April 2011. Combined Sections Meeting of the American Physical Therapy Association, 2012, Boston, MA.

McKenzie A, **Brechter JH**, Tominaga DT, Adamson K, Hatten K, McGovern J. THE RELATIONSHIP BETWEEN ADMISSION CRITERIA AND MEASURES OF SUCCESS FOR AN ENTRY-LEVEL DOCTOR OF PHYSICAL THERAPY PROGRAM. Combined Sections Meeting of the American Physical Therapy Association, 2009, Las Vegas, NV.

Brechter JH, Landel, R, Sebelski C. A MODEL EDUCATIONAL COLLABORATIVE. California Physical Therapy Association, 2008, Oakland, CA. All 3 authors presenting.

Brechter JH, Sebelski C, Tichenor CJ. A MODEL EDUCATIONAL COLLABORATIVE TO ADDRESS NEW ACCREDITATION REQUIREMENTS IN MANIPULATION AND MOBILIZATION. Combined Sections Meeting of the American Physical Therapy Association, 2008, Nashville, TN. All 3 authors presenting.

Brechter JH, Tichenor CJ, Sebelski C. EDUCATIONAL COLLABORATIONS MAY BE UTILIZED TO ADVANCE PHYSICAL THERAPY PRACTICE. National Meeting of the American Physical Therapy Association, 2008, San Antonio, TX. Brechter JH – presenter.

Brechter JH, Fernandes J, Hunt HD, and Meng M. TEACHING AND GRADING METHODOLOGY UTILIZED FOR DELIVERY OF MUSCULOSKELETAL PRACTICE MANAGEMENT COURSES IN ACCREDITED PHYSICAL THERAPY EDUCATION PROGRAMS. Combined Sections Meeting of the American Physical Therapy Association, 2006, San Diego, CA. Brechter JH – presenter.

Brechter JH, Fernandes J, Hunt HD, and Meng M. TEACHING AND GRADING METHODOLOGY UTILIZED FOR DELIVERY OF MUSCULOSKELETAL PRACTICE MANAGEMENT COURSES IN PHYSICAL THERAPY EDUCATION PROGRAMS IN CALIFORNIA. California Chapter Annual Conference, 2005, Ontario, California. Brechter J.

– presenter

Brechter JH, Schroeckenstein M, Irvine L, Gabrych K, ANTERIOR TO POSTERIOR JOINT MOBILIZATION IMPROVE INTERNAL ROTATION IN THE GLENOHUMERAL JOINT. JOSPT 35(1):A30, 2005. Brechter JH – presenter.

Vuong A, McKenzie A, **Brechter JH**, COMPARISON OF POSTURE, RANGE OF MOTION, AND SHOULDER PAIN BETWEEN VOLLEYBALL PLAYERS AND NON VOLLEYBALL PLAYERS. JOSPT 35(1):A32, 2005. Vuong A – presenter.

Brechter JH, Cheatham SW, Alvarez J, Phelps N, Klick P, Madden A, Garber M, ASSESSMENT OF ANTERIOR TO POSTERIOR ACCESSORY MOBILITY IN THE GLENOHUMERAL JOINT. JOSPT 35(1):A31, 2005. Cheatham SW – presenter.

Brechter JH, Crlenjak M, Wells S, Sather J, COMPARISON OF THE PREVALENCE OF POSITIVE AMT TESTS BETWEEN SUBJECTS WITH AND WITHOUT PAIN COMPLAINTS. JOSPT 35(1):A28, 2005. Brechter JH – presenter.

Brechter JH, Evans S, Murphy K, Simmons J, INCIDENCE AND MAGNITUDE OF DEVIATIONS FROM IDEAL POSTURE IN PAIN-FREE YOUNG ADULTS. Submitted for presentation at the American Physical Therapy Association Combined Sections Meeting, 2004 (not accepted).

Charette TA, Tierney L, **Brechter JH**. POSTURAL ASSESSMENT OF FEMALE ARTISTIC GYMNASTS submitted for presentation at the 50th Annual Meeting of the American College of Sports Medicine, 2003 (not accepted).

Repanich, E, McKenzie, A, **Brechter JH**, THE EFFECTS OF THERAPEUTIC STRETCHING ON PERSONS WITH POSTURAL ABNORMALITIES. Podium Presentation at the Annual Meeting of the American Physical Therapy Association Anaheim, CA, June 2001. Repanich E – presenter.

Salsich GB, Farwell, D, **Heino, J**, Powers, CM. THE EFFECTS OF PATELLAR TAPING ON KNEE KINETICS AND KINEMATICS IN PATIENTS WITH PATELLOFEMORAL PAIN. In: Physical Therapy 80:S59-60, 2000. Podium Presentation at the Annual Meeting of the American Physical Therapy Association Salsich GB – presenter.

Brechter, J Heino, Powers, CM, . PATELLOFEMORAL JOINT STRESS DURING STAIR ASCENT AND DESCENT: COMPARISON OF PERSONS WITH AND WITHOUT PATELLOFEMORAL PAIN. 24TH Annual Meeting of the American Society of Biomechanics, Chicago, IL, July, 2000. In: Proceedings of the American Society for Biomechanics, 27-28, 2000. Brechter JH – presenter.

Brechter, J Heino, Powers, CM, . PATELLOFEMORAL JOINT STRESS DURING LEVEL WALKING IN SUBJECTS WITH AND WITHOUT PATELLOFEMORAL PAIN. 47th Annual Meeting of the American College of Sports Medicine, Indianapolis, Indiana, May 31- June 3, 2000. In: Medicine and Science in Sports and Exercise, 32:S72, 2000. Brechter JH – presenter.

Salsich GB, Farwell D, **Brechter JH**, Powers CM. . LOWER EXTREMITY KINETICS

DURING STAIR AMBULATION IN SUBJECTS WITH AND WITHOUT PATELLOFEMORAL PAIN. Fifth Annual Meeting of the North American Society for Clinical Gait and Movement Analysis, Dallas, Minnesota, April 1999. In: Gait and Posture 11:117, 2000. Salsich GB – presenter.

Powers CM, **Brechter J Heino**. USE OF BIOMECHANICAL MODELING TO CHARACTERIZE PATIENTS WITH PATELLOFEMORAL PAIN: Implications for Treatment and Patient Management. Annual Meeting of the American Physical Therapy Association, Washington, D.C., June 1999. Educational Session Powers CM and Brechter JH – presenters.

Heino JG, Powers CM, Terk MR, Lee TQ. MEASUREMENT OF PATELLOFEMORAL JOINT CONTACT AREA USING MAGNETIC RESONANCE IMAGING. Orthopaedic Research Society, 45th Annual Meeting, Anaheim, CA, February 1999. In: Transactions of the ORS 24:22, 1999. Heino JG – presenter.

Powers CM, **Heino JG**. THE EFFECT OF PATELLOFEMORAL PAIN ON LOWER LIMB LOADING DURING FREE AND FAST WALKING. 46th Annual Meeting of the American College of Sports Medicine, New Orleans, Louisiana, 1999. In: Medicine and Science in Sports and Exercise, 31:S189, 1999. Powers CM – presenter.

Heino JG, Mulroy SJ, Newsam C, Perry J. GAIT ANALYSIS COMPARISON OF 3 DIFFERENT AFO'S IN MYELOMENINGOCELE. Fourth Annual Meeting of the North American Society for Clinical Gait and Movement Analysis, Dallas, Texas, April 1999. In: Gait and Posture 9, 1999. Heino JG – presenter.

Heino JG, Powers CM. PATELLOFEMORAL STRESS DURING GAIT: A BIOMECHANICAL MODEL. Fourth Annual Meeting of the North American Society for Clinical Gait and Movement Analysis, Dallas, Texas, April 1999. In: Gait and Posture 9:117, 1999. Heino JG – presenter.

Heino JG, Mulroy SJ, Perry J. ENERGY COST OF ENDURANCE WALKING IN SUBJECTS WITH MYELOMENINGOCELE: A COMPARISON OF THREE BRACES. Third Annual Meeting of the North American Society for Clinical Gait and Movement Analysis, San Diego, CA, April 1998. In: Gait & Posture 7(2):189, 1998. Heino JG – presenter.

Perry J, Newsam C, Rao S, Gronley J, **Heino J**. ORTHOTICS FOR MYELOMENINGOCELE PATIENTS, TEENAGE VERSUS CHILDHOOD. Journal of Rehabilitation Research and Development. Vol. 34 pg. 238, 2 pgs, 1997.

Bontrager EL., Boyd LA., **Heino JG**., Mulroy S.J., Perry J. DETERMINATION OF NOVEL PEDAR MASKS USING HARRIS MAT IMPRINTS. Second Annual Meeting of the North American Society for Clinical Gait and Movement Analysis, 1997. In: Gait & Posture 6(2), 1997. Bontrager EL – presenter.

McNitt-Gray, JL, Munkasy, B, **Heino, JG**, Welch, M, Eagle, J, & Smith, T: NET JOINT MOMENT POWERS AND MUSCLE ACTIVATION IN STOP AND GO LANDINGS. 18th Annual Meeting of the American Society of Biomechanics, October 1994. In: XVIIIth Proceedings of the American Society for Biomechanics, 69-70, 1994. McNitt-Gray JL – Presenter

Non-Peer Reviewed Publications:

Sueki, D, **Brechter JH**, editors. ORTHOPEDIC REHABILITATION CLINICAL ADVISOR. Mosby, Elsevier Publishing, October 2009.

Brechter JH, Biomechanical considerations for clinicians. In: Orthopaedic Rehabilitation Clinical Advisor, Mosby, Elsevier Publishing, Sueki & Brechter eds, Section I Cpt 4, pp 41-55, October 2009.

Donovan S, **Brechter JH**, Sueki D, Tissue Injury and Healing In: Orthopaedic Rehabilitation Clinical Advisor, Mosby, Elsevier Publishing, Sueki & Brechter eds, Section I Cpt 1, pp 3-16, October 2009.

Mahler K, **Brechter JH**, Rehabilitation and Common Clinical Questions for the Lower Extremity. In: Orthopaedic Rehabilitation Clinical Advisor, Mosby, Elsevier Publishing, Sueki & Brechter eds, Section IV Cpt 6, pp 824-833, October 2009.

Heino-Brechter J, Powers CM, Ward SR, Terk MR, Lee TQ. QUANTIFICATION OF PATELLOFEMORAL JOINT CONTACT AREA USING MAGNETIC RESONANCE IMAGING. Magn Res Imag 21:955-959, 2003.

Brechter, JHeino, Powers, CM. PATELLOFEMORAL JOINT STRESS DURING LEVEL WALKING IN PERSONS WITH AND WITHOUT PATELLOFEMORAL PAIN. Medicine & Science in Sports and Exercise, 34(10):1582-1593; 2002.

Brechter, JHeino, Powers, CM PATELLOFEMORAL JOINT STRESS DURING STAIR ASCENT AND DESCENT IN PERSONS WITH AND WITHOUT PATELLOFEMORAL PAIN. Gait and Posture 16(2):115 – 123, 2002.

Salsich, GB, **Brechter, JH**, Farwell, D, Powers, CM. THE EFFECTS OF PATELLAR TAPING ON KNEE KINETICS, KINEMATICS, AND VASTUS LATERALIS MUSCLE ACTIVITY DURING STAIR AMBULATION IN INDIVIDUALS WITH PATELLOFEMORAL PAIN. Journal of Orthopaedic and Sports Physical Therapy 32:3-10, 2002.

Salsich, GB, **Brechter, JH**, Powers, CM. LOWER EXTREMITY KINETICS DURING STAIR AMBULATION IN PATIENTS WITH AND WITHOUT PATELLOFEMORAL PAIN. Clinical Biomechanics 16(10):906-912, 2001.

Powers, CM, **Heino, JG**, Rao, S, Perry, J. LOADING CHARACTERISTICS IN SUBJECTS WITH PATELLOFEMORAL PAIN. Clinical Biomechanics 14(10): 722-728, 1999.

McNitt-Gray, JL; Munkasy, BA; Welch, M; **Heino, JG**: KINETICS OF SUCCESSFUL AND UNSUCCESSFUL GYMNASTICS LANDINGS. Technique 14(8): 27-30, 1994.

McNitt-Gray, JL; Munkasy, BA; Welch, M; **Heino, JG**: EXTERNAL REACTION FORCES

EXPERIENCED BY THE LOWER EXTREMITIES DURING THE TAKE-OFF AND LANDING OF TUMBLING SKILLS. Technique 14(9): 10-16, 1994.

Heino, JG, Godges, J, Carter C: RELATIONSHIP BETWEEN HIP EXTENSION RANGE OF MOTION AND POSTURAL ALIGNMENT. Journal of Orthopaedic and Sports Physical Therapy 12:243-247, 1990.

Non-Peer Reviewed Presentations:

None

Funded/In Review Grant Activity:

Grant-Beuttler M, Brechter JH, McKenzie A (Co-PIs). (~\$346K) Computerized Motion Analysis System equipment grant, National Science Foundation 2009, in revision for re-submission, 2010.

Jacquelin Perry Research Scholarship Award, 1999 (\$3,000). Research Scholarship Award for excellence in research.

Foundation for Physical Therapy - Scholarship Award for Dissertation Research, 1996-97 (\$12,500); 1997-98 (\$13,500); 1998-1999 (\$15,000). Doctoral Research Award, 1993 - Principal Investigator, INFLUENCE OF THE BALANCE PHASE OF LANDING ON GROUND REACTION FORCES. Award: \$2000.

ASSISTED WITH WRITING AND/OR SATISFYING THE FOLLOWING GRANTS: National Science Foundation, 1994-1996, JL McNitt-Gray Principal Investigator, LABORATORY INNOVATION AND IMPROVEMENTS IN BIOMECHANICS. Award: \$72,350.

US Olympic Committee, 1993-6, JL McNitt-Gray Principal Investigator, IMPROVEMENT OF MECHANICS DURING COMPETITION USING IMMEDIATE FEEDBACK OF KINETIC INFORMATION. Requested: \$91,127. Awarded: 100% (\$31,455 for first year); funding for years 2 & 3, based on first year progress report. Award for year 2: \$42,350.

American Athletics, Inc., 1993-6, JL McNitt-Gray Principal Investigator, IMPROVEMENT OF MECHANICAL PROPERTIES OF GYMNASTICS LANDING SURFACES. Award: \$5,000.

Speith Anderson, Inc., 1993-6, JL McNitt-Gray Principal Investigator, IMPROVEMENT OF MECHANICAL PROPERTIES OF GYMNASTICS LANDING SURFACES. Award: \$5,000.

Other Scholarly Products:

None

Research Activity:

None

Continuing Education Workshops Conducted/Organized:

2007 TRAINERS WORKSHOP: TEACHING GRADE V MOBILIZATION: AN EVIDENCE BASED APPROACH

Assist with course development as member of the California Education and Residency Collaborative (CAREC). Selected as lead instructor in Southern California for this course designed to train other teachers to teach this course to clinicians (course taught March 2007). Course content includes select Grade V (GPM V) mobilizations, the evidence, legal and ethical considerations, as well as clinical reasoning and guidelines for teaching.

1990 - 1994 PRINCIPLES OF BACK STABILIZATION

Course development and presentation for continuing education on the evaluation and treatment of patients appropriate for back stabilization exercises. This includes indications & contraindications for back stabilization, the progression of exercises, charting and billing, and how back stabilization programs fit into the comprehensive management of patients.

Membership in Scientific/Professional Organizations:

American Physical Therapy Association 1989 - present

California Physical Therapy Association 1989 - present

Section Membership:

Orthopaedic Section 1989 - present

Research Section 1989 - present

Education Section 1989 - present

Private Practice Section 1992 – 1997

American Council of Education – founding member 2010 – present

Standards of Excellence Committee

Orthopedic Manual Therapy Special Interest Group – founding member 2008 - present

Orthopedic Manual Therapy Special Interest Group – founding member, Program Committee

Chair 2008 - 2010

California Academic and Residency Collaborative (CAREC) 2005 - 2009

Southern California Course Coordinator 2007 - 2009

Steering Committee Member 2005 - 2009

American College of Sports Medicine 1999 - 2006
American Association of University Professors 1999 - 2006
American Society of Biomechanics 1995 – 2006
National Strength and Conditioning Association 1990 - 1994

Consultative and Advisory Positions Held:

REVIEWER

Book Reviewer – Lippincott Williams Wilkins
Journal article reviewer – Medicine and Science in Sports and Exercise 2003-2008
Journal article reviewer – Gait and Posture 2003 - 2008

Community Service:

American Youth Soccer Organization – Assistant Coach 2010
Laguna Niguel Girls Softball – Assistant Coach 2010
Unrecables - California Chapter of the National Handicap Association 1990 - 1994
Annual Physical Therapy Health Clinics (Ocean Park Orthopedic and Sports Therapy) 1989 - 1993
Saint John's Hospital and Health Center - Annual Sports Symposium (speaker) 1993
United States Olympic Tryouts - Physical Therapist (Synchronized Swimming) 1992

Services to the University/College/School on Committees/Councils/Commissions:

Department of Physical Therapy

Department Chair 2007-present
New faculty search committee (Chair) 2009-2010, 2011-12
New faculty search committee 2008-2009
Curriculum Coordinator 2005-2007
Admissions committee 2003-2006
Budget Advisory committee (chair) 2004-present
Faculty practice committee 2003
New faculty search committee 2002
Comprehensive Exam committee 2001-2004
Curriculum development and WASC accreditation for change to DPT degree 1998 - 2004
Budget responsibility 2000-2001

University-wide

Long Range Planning Council – 2010-2011 (Fall)
Senate Executive Board -Long Range Planning Council – Chair 2009-2010
Senate Executive Board – President 2008 – 2009
Senate Executive Board – VP / President Elect, Governance Council chair 2007-2008
Curriculum committee (Science) 2007-present
Faculty Senator – Wilkinson College 2004-2006
Wilkinson college senate chair 2005-2006
Department of Psychology – new faculty search committee 2002
Department of Physical Sciences – new faculty search committee 2002
Faculty Budget Council 2002-2003
Ad-hoc government committee 1999-2000

Honors and Awards:

Certification of Excellence– from Chapman University for excellence in teaching and research. 2002

California Chapter APTA Faculty Research Award – for a paper submitted from dissertation work, titled Patellofemoral Joint Stress During Level Walking in Persons With and Without Patellofemoral Pain. 2000

Student Research Award (granted to Chapman University student, Emily Repanich) for work completed under my advisement as part of her graduate work. The Effects of Therapeutic Stretching on Persons with Postural Abnormalities 2000

Jacquelin Perry Scholarship Award – University of Southern California, Department of Biokinesiology and Physical Therapy, for highest distinction in the PhD program and for uncompromising standard of excellence in all things scholastic, clinical, and investigative.
1999

Book Award - University of Southern California, Department of Biokinesiology and Physical Therapy, Graduate Student Award. 1998

Publication Award - outstanding research study in professional literature by Physical Therapist student. California Chapter American Physical Therapy Association For: Relationship Between Hip Extension Range of Motion and Postural Alignment
1991

Outstanding Student Citation for Physical Therapy - California State University - Long Beach, Physical Therapy Department 1989

President's Honor List 1986-1989

Golden Nugget Award - for outstanding academic achievement and service. California State University - Long Beach 1987

Continuing Education Attended:

California Physical Therapy Association Annual Conference, Long Beach, CA 2012
Combined Sections Meeting of the American Physical Therapy Association, Boston, MA, 2012
Law and Ethics in PT, Continuing Education July 2011
American Heart Association's BLS for Healthcare Providers – June 2011
The Jossey-Bass Department Chair Leadership Institute – Department Chair Webinars (5) Spring 2011
Combined Sections Meeting of the American Physical Therapy Association, New Orleans, LA February 9-12, 2011
Educational Leadership Conference, American Council of Physical Therapy Educators, San Antonio, TX September 30-Oct 3, 2010
Combined Sections Meeting of the American Physical Therapy Association, San Diego, CA 2010
Educational Leadership Conference, Academic Administrators Special Interest Group of the American Physical Therapy Association Philadelphia, PA 2009
American Physical Therapy Association Annual Conference, Baltimore, MD 2009
California Physical Therapy Association Annual Conference, Oakland, CA 2008
Educational Leadership Conference, Academic Administrators Special Interest Group of the American Physical Therapy Association Phoenix, AZ 2008
American Physical Therapy Association Annual Conference, San Antonio, TX 2008
Combined Sections Meeting of the American Physical Therapy Association, Nashville, TN 2008
Trainers Workshop: Teaching Graded Passive Movement, Grade 5: An Evidence Based Approach.

Current Teaching Responsibilities in the Entry-Level Physical Therapy Program:

Sem 1:2	
PT 530	Physical Therapy Examination

Proposed Teaching Responsibilities in the Entry-Level Physical Therapy:

Sem 1:2	
PT 530	Physical Therapy Examination

Proposed Teaching Responsibilities in the Proposed Entry-Level Physical Therapy Program:

None

