REQUIRED FORM: CURRICULUM VITAE (April 2016)

Marjorie A. King
Plymouth State University

Education:

Ph.D
2003
University of Virginia, Charlottesville
Sports Medicine
January 2003

Bachelor of Science
1986
Simmons College, Boston
Physical Therapy
December 1986

Master of Arts
2017
Plymouth State University
Personal and Organizational Wellness
May 2017

Master of Science
1982
University of Massachusetts, Amherst
Exercise Science
August 1982

Bachelor of Science
1978
University of New Hampshire, Durham
Medical Technology
June 1978
Minor in Spanish
University of Madrid, Spain
Summer 1976

Licensure Information:
New Hampshire: 0940

Certifications (eg, ABPTS):

American Physical Therapy Association
National Athletic Trainers' Association
PORi Foundation in Oncology Rehabilitation Certification Course &
PORi Breast Cancer Rehabilitation Certification Course (March 13-18, 2018)
Cancer Exercise Specialist (2010)
Burdenko Level 1 Certification, Burdenko Institute (2007)
Perfect Health Instructor – Ayurveda Medicine; Chopra Center June 2014
Emergency Medical Technician 1979 – 1996

RELEVANT WORK EXPERIENCE:

Employment and Positions Held:

Faculty: Department of Physical Therapy
Tenured; Full Professor
Plymouth State University
Plymouth, NH
Sabbatical Fall 2017 – Spring 2018 @ UNC- Chapel Hill; Get Real and Heel After Care Cancer Program:

Assessing the current exercise physiology based after care programs for breast cancer survivors & developing a more expansive and inclusive model for musculoskeletal intervention within breast cancer aftercare to optimize functional return.
Fall 2018: Patient Client Management II ~ lecture & labs
Spring 2018: Patient Client Management III ~ lecture & labs

Director of Graduate Athletic Training Education
Tenured; Full Professor
Plymouth State University
Plymouth, NH

Plymouth State University Undergraduate Curriculum
Plymouth, NH
Rehabilitation of Athletic Injuries, Spring 2013 – 2016

Plymouth State University Graduate Curriculum
Plymouth, NH
Therapeutic Exercise, Spring 2013 - 2016
Corrective Exercise Specialist Fall 2013 & 2015
Statistics in Health Sciences, Fall 2014 & scheduled for 2016
Directed Research Fall & Spring 2013 - 2016

Associate Professor
Tenured
Plymouth State University Undergraduate Curriculum
Plymouth, NH
Rehabilitation of Athletic Injuries, Spring 2004 – 2007; 2009; 2012
Motor Learning, Fall 2003 -2004 and Fall 2006 – 2008

Associate Professor
Tenured
Plymouth State University Graduate Curriculum
Plymouth, NH
Therapeutic Exercise, Spring 2004 – 2007; 2009; 2012
Directed Research Fall & Spring 2003 – present
Performance Enhancement Specialization Spring 2005; Fall 2005.
Corrective Exercise Specialist Fall 2008 & Fall 2009; Fall 2011
Special Topics in Sports Medicine – as needed
Research Design in Health Sciences, Fall 2003 -2007
Statistics in Health Sciences, Spring 2004, Fall 2010; Fall 2012

Lecturer Kinesiology & Seminar in Educational Research Spring 2000
Lecturer Sports Medicine Seminar Fall 1999 & 2000
Lecturer Human Anatomy Fall 1998 & 1999
Lecturer & Lab Instructor Emergency Medical Care Spring 1999
Teaching Graduate Assistant
University of Virginia
Charlottesville, VA

Lecturer Pre-Therapy Fall 1997 & Spring 1998
Lecturer Therapeutic Exercise Spring 1998
Lab Instructor Orthopedic Physical Assessment Fall 1997
Lab Instructor Therapeutic Modalities Winter 1998
Lab Instructor Care and Prevention of Athletic Injuries Winter 1998
Teaching Graduate Assistant
Oregon State University
Corvallis, OR

Lecturer Exercise Physiology
Adjunct Faculty
University of Massachusetts, Lowell
Lowell, MA
Fall 1996

Lab Instructor Musculoskeletal Evaluation I & II
Adjunct Faculty
University of Massachusetts, Lowell
Lowell, MA
1993 –1997

Graduate Studies Lecturer Sports Medicine: Concepts in Care and Prevention of Athletic Injury
Smith College
Northampton, MA
1983 - 1985

Peer Reviewed Publications:

MANUSCRIPTS:

Medina McKeon, J. M., McKeon, P.O., **King, M.A**. *"A New year, A New Set of Guidelines for Making Clinical Contributions to the Available Sources of Evidence".* International Journal of Athletic Therapy and Training. 21 (01):1-4, 2016.

McKeon, P.O., Medina McKeon, J. M., **King, M.A**. *"Case Studies: The Alpha and Omega of Evidence Based Practice".* International Journal of Athletic Therapy and Training. 19 (06), 2014.

Cook, S.B., LaRoche, D. P., Swartz, E.E., Hammond, P.R., **King, M.A.** (2014). A novel sensorimotor movement and walking intervention to improve balance and gait in women. *Complementary Therapies in Clinical Practice,* Vol. 20 (4), pp. 311-6.

King, M, "*Assessment of Lower Extremity Posture: Qualitative and Quantitative Clinical Skills*," Athletic Therapy Today, 12(2): 2-6, 2007.

King, M., "*An Overview of Motor Learning in Rehabilitation,"* Athletic Therapy Today, 8(4): 6-13, 2003.

King, M., *"Core Stability: Creating a Foundation for Functional Rehabilitation,"* Athletic Therapy Today, 5(2): 6-13, March 2000.

King, M., *"Functional Stability for the Upper Quarter,"* Athletic Therapy Today, 5(2): 17-21. March 2000

Boucher, J.P., **King, M.A**., Lefebvre, R., Pepin, A., *"Quadriceps Femoris Muscle Activity in Patellofemoral Pain Syndrome,"* American Journal of Sports Medicine, 20(5): 527 – 532, 1992.

King, M. and Katch, F., *"Changes in Body Density, Fat Folds and Girths at 2.3 Kg. Increments of Weight Loss,"* Human Biology, 58(5): 709 – 718, October 1986.

BOOKS:

Chapter:

Chapter 5: Static Postural Assessments.
Clark, M.A. & Lucett, S.C. (Eds.). (2011). NASM Essentials of Corrective Exercise Training. Philadelphia, PA.: Lippincott Williams & Wilkins.

Reviewer:

National Academy of Sports Medicine. (2009). NASM Essentials for Sports Performance Training. Philadelphia, PA.: Lippincott Williams & Wilkins.

Contributing Author:

Anderson, M.K. and Martin, M., Quick Reference Guide for Sports Injury Management. Contributing author. Williams & Wilkins Publishing Co., 1998.

Anderson, M. and Hall, Susan. Athletic Training. Williams & Wilkins Publishing Co., 1995. (Chapters 3 & 4).

Peer Reviewed Scientific and Professional Presentations:

Peer Reviewed abstracts presented as either free communications or posters:

King, M.A., Kinder, A.R., Sheehan, S. P., Burrows, C.M., Loomer, G.R., Allard, N.J., Grajeck, S. L., Lurie, J.D., Hart, J.M. *"Comparison of a Portable Pressure Mapping Tool and Clinical Balance Tests in Elders."* Medicine and Science in Sports and Exercise, May 2015 Supplement

King, M.A., Hammond, P.R., O'Brien, R.M., Eissler,W.L., Lurie, J.D., Hodgdon, J., *"Comparison of Balance Parameters in Elders and College-Age Individuals."* Medicine and Science in Sports and Exercise, May 2014 Vol 46 Supplement 15S

Hammond, P. R., Obrien, R, Eissler, W., King, MA, "*Reliability of Center of Foot Pressure in a College Aged Physically Active Population."* Medicine and Science in Sports and Exercise, May 2013 Supplement.

Slate, C.R, Cook, S.B., Swartz, E.E., Hammond, P.R., King, M.A., LaRoche D.P. *"Static Balance Testing Predicts Gait Performance In Middle-Aged And Older Women"* Medicine and Science in Sports and Exercise, May 2013 Supplement

Hammond, P.R., Cook, S.B., LaRoche D.P, King, M.A., Swartz, E.E.,"Efficacy of a Novel Comprehensive Movement Awareness Program to Improve Measures of Balance and Gait in Adult Women." Journal of Athletic Training, June 2012 Supplement.

King, M.A., Trombulak, M.E., Eissler, W.L., Kempson, R.S., Boucher, T.R., Boucher, J.P., Lurie, J.D. *"Reliability of Translation of Center of Force Using Portable Pressure Mapping Device in Older Adults."* Medicine and Science in Sports and Exercise, 2012, Volume 44:5 Supplement.

K.J., Scott and King, MA. *"Functional Screen Aberrant Motion at the Knee Does Not Equate to Torque Deficits at the Hip."* Journal of Athletic Training, June 2010 Supplement.

King, MA, Boucher, J.P., Bower, R. "*The Role of Foot Position in Postural Stability and Balance*." Medicine and Science in Sports and Exercise, May 2006 Supplement.

King, M.A., Boucher, J.P., Bowers, R. *"Trial Reliability of Postural Stability Measures using the MatScan System: A Platform Based Pressure/Force Measurement Tool."* Journal of Athletic Training, June 2005 Supplement.

King, M.A., Padua, D.A., McFarland, D.H., Gattie, E., Welch, G. *"Intra-rater reliability of a web-based dynamic assessment tool."* Medicine and Science in Sports and Exercise, May 2005 Supplement.

King, M.A., Boucher, J.P. *"Effect of pelvic inclination on neuromuscular activation of selected muscles during a jump down task."* Medicine and Science in Sports and Exercise. Volume 36, Number 5, May 2004 Supplement.

King, M.A., Boucher, J.P., Perrin, D.H. *"The effect of pelvic inclination on neuromuscular activation of selected trunk, hip and lower extremity muscles."* Journal of Orthopeadic and Sports Physical Therapy. Supplement, 2004.

King, M.A., Boucher, J.P. "*Effect of Pelvic Inclination on Dynamic Equilibrium".*

Medicine and Science in Sports and Exercise. 35(5) Supplement, 2003.

Basinger, S.Q.,King, M.A., Arnold, B.A., Gansneder, B.M. *"Core Stability and Functional Performance Assessments are Moderately Related. "* Journal of Athletic Training, 37(2): S13, 2002.

King, M.A., Arnold, B.L., Boucher, J.P.*"Reliability of Measuring Pelvic Inclination the Sagittal Plane by Digital Still Photography."* Medicine and Science in Sports and Exercise. 33(5): S195, 2001.

Teprovich, JM, King, MA, Perrin, DH, Gansneder, BM, Shultz, SJ. *Functional Playing Position Does Not Effect Quadriceps and Hamstring Average Torque and Muscle Group Ratios in Division-I Female Field Hockey and Lacrosse Players.* Journal of Athletic Training. Supplement, 36(2), 2001.

Padua, D.A., King, M.A., Houglum, P, Rossner, K. *"A single subject clinical study: The effects of core-stability training using a foam-roller on pelvic inclination, abdominal muscle strength and center of balance."* Journal of Athletic Training. Supplement, 35(2), 2000.
Coutu, M., King, M. A., Leroux, A., Lefebvre, R., Boucher, J.P., *"Effects of Open and Closed Chain Exercise on Quadriceps Function."* Medicine and Science in Sport and Exercise. Supplement 26 (5): S106, May 1995.

King, M.A., Coutu, M., Lefebvre, R., Boucher, J.P., *"Effects of Hip External Rotation on Quadriceps Function."* Medicine and Science in Sport and Exercise. Supplement 26(5): S12, May 1994.

Lefebvre, R., Boucher, J.P., King, M.A., Cyr, A., *"Patellofemoral Dysfunction and the Vastus Medialis:* Activation *and Reactivation Considerations."* Proceeding of the 1993 International Conference of Spinal Manipulation. April/May 1993.

Boucher, J.P., King, M.A., Lefebvre, R., *"Isometric Training Effects Overflow: Determination of a Nonspecificity Window."* Medicine and Science in Sport and Exercise. Supplement 25(5): S134, 1993.

King, M.A., Boucher, J.P., Cyr, A., Lefebvre, R., *"Evaluation of VMO/VL Ratio with Alteration of Patellofemoral Mechanics and Hip Adduction in Patellofemoral Syndrome."* Medicine and Science in Sport and Exercise. Supplement 24(5) : S148, 1992.

Boucher, J.P., Cyr, A., Lefebvre, R., King, M.A., *"The Vastus Medialis Oblicuus (VMO) is More Active at 90 Degrees of Knee Flexion."* Medicine and Science in Sport and Exercise, Supplement 24(5): S147, 1992.

King, M.A., Boucher, J.P., Lefebvre, R., *"Quadriceps Femoris Muscle Activity Through Knee Extension Range of Motion."* Medicine and Science in Sport and Exercise. Supplement 21(2): S91, 1989.

Lefebvre, R., Pepin, A., King, M.A., Boucher, J.P., *"Quadriceps Femoris Muscle Activity in Patellofemoral Syndrome."* Medicine and Science in Sport and Exercise. Supplement 21(2): S91, 1989.

King, M.A., and Katch, F.I., *"Regional Changes in Relative Fat Patterning with Weight Loss in Middle- Aged Women."* Medicine and Science in Sports and Exercise, 15(2): 106, 1983.

King, M.A., and Katch, F.I., *"Anthropometric & Body Composition Changes with Incremental Weight Loss in Middle Aged Women"*. American Association for Health, Physical Education, Recreation and Dance, May 1983.

Funded/In Review Grant Activity:

King (PI)
Amount of funding awarded $175,052
Comparison of quantitative foot pressure mapping and current clinical based measures as predictors of falls in older adults
2013-2015 New Hampshire Idea Network of Biomedical Research Excellence (NH-INBRE) *in collaboration with Dartmouth College*

King (PI)
Amount of funding awarded $70,648
Reliability of Center of Foot Pressure in the Older Adult Population
2010 - 2013 New Hampshire Idea Network of Biomedical Research Excellence (NH-INBRE) *in collaboration with Dartmouth College*

King (PI)
Amount of funding awarded $4,900
Cancer Rehabilitation Collaboration
2011 - 2012 Plymouth State University Faculty Research and Scholarship Fund

Boucher (PI) & King
Amount of funding awarded $643
Identifying and Determining the Impact of Factors Affecting the Risk of Falling Among Middle-to-Older Adults
2011-2012 Plymouth State University Faculty Research and Scholarship Fund

King (PI)
Amount of funding awarded $655
Quantification of Qualitative Clinical Assessment in Rehabilitation
2009-2010 Plymouth State University Faculty Research and Scholarship Fund

McCahan (PI) & King
Amount of funding awarded $3,000
Associations among Translation of Center of Foot Pressure, Balance, Functional Fitness, and Fear of Falling with Middle-to-Older Adults by Falls Risk
2009-2010 Plymouth State University Faculty Research and Scholarship Fund

King (PI)
$1150 & $900
The effect of pelvic inclination on neuromuscular activation of selected trunk, hip and lower extremity muscles
2001 & 2002 Sports Physical Therapy Small Grant Award

Membership in Scientific/Professional Organizations:

American College of Sports Medicine, member
1982 - present
Strategic Health Initiative for Women, Sport and Physical Activity,
2004 - 2007 & 1997 – 1999
Subcommittees:
Education 1998 - 1999
ACL Injuries in Women 1997 - 1998
Medicine and Science in Sport and Exercise, Guest Reviewer, 1996

National Athletic Trainers' Association
1977 – present
Research and Education Foundation Committee Member, 2004 to 2006
Women in Athletic Training Committee Chair, 2000 - 2008
Women in Athletic Training Committee and ACSM Liaison, 1996 - 1998
Women in Athletic Training Task Force Member, 1995 - 1996
Oral Practical Examiner, 1983 - 1987
Clinic/Corporate Athletic Trainers' Committee
District One, NH State Representative, 1989 - 1990

Journal of Athletic Training
Clinical Applications Editor, 2013 to present
Editorial Review Board, 1998 – 2000; re-appointed 2000-2003
Journal Reviewer 1998 - present
Guest Reviewer, 1995 -1997

Eastern Athletic Trainers' Association
Research Committee Chair, 1999 - present
Past President, 1997 - 1998
President (1st woman), 1995 - 1996
President-elect, 1993 - 1994
Site Selection Committee Chair, 1990 - 1992

National Academy of Sports Medicine
2003 - 2006
Research Director December

American Physical Therapy Association
1987 – present
Member
Sports Medicine Section
1987 - present

National Strength and Conditioning Association
1982 – present
Member

New Hampshire Musculoskeletal Institute
1994 – present
Member
Board of Directors, 2003 - present
Research Steering Committee, 2003 – present
Research Fellow Supervision, Fall 2004
Founding Board Member, 1994 –1997

New Hampshire Athletic Trainers' Association
1989 – present
Member
Founding Member & Executive Board Member, 1989 - 1992

Athletic Trainers' of Massachusetts
1979 – 2003
Member
Executive Board Member, 1984 – 1986

National Association of Emergency Medical Technicians
1979 – 1996
Member

Consultative and Advisory Positions Held:

Balance Software Development
Tekscan - Boston Ma
2007- Present

Attitash Mountain (Alpine) Race Foundation
Injury prevention and performance enhancement consultant
2016 to present

Professional Ski Instructors of America – Eastern Division
Eastern Development (Alpine) Team Training ~ Breaking the Performance Glass Ceiling: Understanding how alignment influences biomechanics and muscular function
Fall 2018

Patellofemoral Dysfunction Evaluation
Wasserman & Associates
September 1995 - September 1997

Patellofemoral Dysfunction Evaluation
North Carolina State Athletic Department
May 1995

Patellofemoral Dysfunction Evaluation
Colorado College Sports Medicine Department
April 1995

Patellofemoral Dysfunction Evaluation
Buffalo Bills Strength & Conditioning
1993

Clinical Research on Keto - Profen Gel
Marion Merrell Dow Inc.
May 1991 – September 1992

Clinical Research on Pulsatile Eccentric Loading
Michigan Orthopedic Surgery & Rehabilitation
April 1990 - December 1991

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

University-wide
~2003 - 2006
Instructional Technology Committee – member
Online Education Task Force and Committee – member
MyPlymouth Portal Committee - member

2004-2012 President's Commission on the Status of Women – member

2006 - Master Planning for New Regional Center – committee member

2009 Frost Center Advisory Council; which transitioned to the Faculty Center for Learning and Teaching Excellence Advisory Board

Graduate School
2003 – 2017
Graduate Council
Graduate Coordinators Committee
2003-2005
Graduate Coordinators Subcommittee: Identification of Graduate Student Needs
Innovative organization for the Athletic Training Program led to:
Web Page template for the graduate school
Registration template for the graduate school
Establishing a Thesis Manual (co-authored with Dr. Cucinna); Also used as a template by Franklin Pierce University for their doctoral dissertation manual
Establishing publishing procedures for thesis manual
Program marketing flyer template used by graduate school
2006 – Graduate Thesis Work Group established – member
2006 – Graduate Tenure and Review Committee – member
~2010 – appointed faculty for the new Doctorate of Education in Learning, Leadership and Community
~2012 - 2014 Institutional Review Board – member/alternate
2013-2015 Doctoral Dissertation Committee Member: Teacher & Administrator Trust

Department
2003 - Technology Committee - member
~2006 – 2013 Promotion and Tenure Committee - member

Honors and Awards:

AOSSM Distinguished Athletic Trainer Award
American Orthopedic Society for Sports Medicine
2016

Hall of Fame Induction
NATA
2012

Fellow Induction
American College of Sports Medicine
2012

Renamed Research to Reality annual lecture series "Marjorie A. King Research to Reality" annual presentation
EATA
2012

Selected to present the William "Pinky" Newell Address
EATA
2006

Most Distinguished Athletic Trainer of the Year
New Hampshire
2006

Most Distinguished Athletic Trainer Award
NATA
2005

Service Award
NATA
2004

Frank George Post-Graduate Scholarship Grant

- In recognition of exceptional leadership in Athletic Training *and demonstrated by distinguished academics and research*

EATA
2002

McCue Society Scholarship
University of Virginia
2000

Doctoral Student Scholarship

- The Edward Block Courage Society Scholarship Award Sponsored by Professional Football Athletic Trainers' Society

NATA
2001

Cramer Award for leadership and excellence in athletic training (1st Female recipient)
EATA
1996

Pinkey Newell Scholarship
NATA
1982

Continuing Education Attended:

ANNUAL MEETING ATTENDANCE
American College of Sports Medicine Annual Meeting, May 1983 - ***present***
Eastern Athletic Trainers' Association Annual Meeting, January 1979 – 2007; 2009 to ***present.***
National Athletic Trainers' Association Annual Meeting & Clinical Symposia, 1995 – 2010; 2012 to 2017.
The New Hampshire Musculoskeletal Institute Symposium, Manchester, NH,
Fall Symposium: September 1994 –1996; 1999; 2001 – 2006; 2008 to 2015; 2017 - present
Winter Meeting: March 2003, 2005 – 2007; 2009 to 2011; 2013 to 2017.

Master Dry Needling Introduction
October 12-14, 2018
Plymouth State University, Plymouth NH

PORi Foundation in Oncology Rehabilitation Certification Course
PORi Breast Cancer Rehabilitation Certification Course
March 13-18, 2018

National Athletic Trainers' Advanced Track: Movement System Impairment Syndromes of the Lumbar Spine and Hip.
June 23, 2015.

New England Chapter of the American College of Sports Medicine Fall Meeting: Exploring New Frontiers in Sports Medicine. November 13 and 14, 2014

North American Seminars, Inc. - Advanced Management of Breast Cancer Rehabilitation
October 1-2, 2011

New England Chapter of the American College of Sports Medicine Spring Meeting: Evidence Based Complimentary and Alternative Medicine
April 15, 2011

New Hampshire Comprehensive Cancer Collaboration 6th Annual Meeting – Cancer and the Health Reform Environment: New Opportunities and New Partnerships
April 13, 2011

Postural Restoration Institute – Postural Restoration
November 13-14, 2010

Management of Sport Related Concussions, New Hampshire Pediatric Society
September 22, 2010

Cancer Exercise Specialist, Rocky Mountain Cancer Rehabilitation Institute
July 26 – 30, 2010

The Burdenko Method, Part I: Level 1-3.
June 2010