

CURRICULUM VITAE

Nicole J. Chimera, PhD, ATC, CSCS

Daemen College
Athletic Training Department
4380 Main Street
Amherst, NY 14226
(716) 839-8413
e-mail: nchimera@daemen.edu

ACADEMIC PREPARATION:

- 2005 – 2009 University of Delaware
Newark, Delaware
Doctor of Philosophy, Biomechanics and Movement Science
Dissertation: *Gastrocnemius Recession: A Treatment For Foot Pathology Associated With Isolated Contracture*
- 1999 – 2001 Temple University
Philadelphia, Pennsylvania
Masters of Education, Kinesiology
Concentration: Sports Medicine/Athletic Training
CAAHEP Accredited Program
Thesis: *Effects Of Plyometric Training On Muscle Activation Strategies And Performance In Female Athletes*
- 1995 – 1999 West Chester University
West Chester, Pennsylvania
Bachelor of Science, Athletic Training
CAAHEP Accredited Program

PROFESSIONAL EXPERIENCE:

- 2014 – present **Athletic Training Program Director & Department Chair,
Daemen College**
Amherst, NY 14226
Oversee all aspects of CAATE accredited Entry Level Masters
Athletic Training Program
Ensure ongoing CAATE Accreditation Standards compliance
Maintain department budget
Manage and develop articulation agreements
Oversee department faculty and Clinical Education Coordinator
Submit CAATE Accreditation Annual Report
Completed CAATE Accreditation self-study and site visit (2016)

Submit Daemen College Annual Assessment Report and 5 Year Program Review

Successfully developed and implemented 5 year combined program at Daemen College: BS, Natural Science/MS, Athletic Training (approved 2016)

Successfully developed and implemented 3+2 BS/MSAT Program with Canisius College Health and Wellness (BS) and Daemen College Athletic Training (MS) (approved 2017)

2016 – present

**Associate Professor,
Daemen College**

Amherst, NY 14226

CAATE accredited Entry Level Masters Athletic Training Program

Classes taught: Research Methods, Research Seminar I, Research Seminar II, Therapeutic Agents, Current Concepts in Musculoskeletal Fitness Assessment and Training, Clinical Research (Physical Therapy Department)

Annual Guest Lecturer for statistics in Nursing Department
NUR 603: Quantitative Nursing Research

Faculty Advisor for graduate student research (MSAT & DPT)

Advise undergraduate & graduate athletic training students

Human Subjects Research Review Committee Member

Faculty Senate Committee Member (2017-2018)

Promotion and Tenure Committee (2017-2018)

Faculty Peer Mentor (2016-2017)

Scholar's Day Co-Chair (2016-2017)

Faculty Development Committee Member (2016-2017)

2011 – 2016

**Assistant Professor,
Daemen College** (Tenured, 2015)

Amherst, NY 14226

CAATE accredited Entry Level Masters Athletic Training Program

Classes taught: Research Methods, Research Seminar I, Research Seminar II, Therapeutic Agents, Therapeutic Exercise, Sport Nutrition, Organization and Administration in Athletic Training, Pharmacology in Sports Medicine, Neuroscience, Current Concepts in Musculoskeletal Fitness Assessment and Training, Clinical Research (Physical Therapy Department)

Annual Guest lecturer for statistics in Nursing Department
NUR 603: Quantitative Nursing Research

Faculty Advisor for graduate student research (MSAT & DPT)

Advise undergraduate & graduate athletic training students
Human Subjects Research Review Committee Member
Educational Policy Committee Member (2013 – 2015)
5 Year Program Review Subcommittee (2013-2015)
Faculty Development Committee Member (2013-2014)
Developed summer Athletic Training Camp

Developed summer course for direct entry Masters in Athletic
Training students; “Current Concepts in Musculoskeletal
Fitness Assessment and Training”
Member of Institutional Readiness Self Study Workgroup for New
Degree Level Offering – Co-Chair Faculty Focus Area
(2013-2014)
Assist with Assessment of Undergraduate Core Curriculum

2011 - 2015

**Per Diem Athletic Trainer, AthletiCare,
Mercy Hospital of Buffalo**
Buffalo, NY

Provide athletic training coverage to local high school events

2009 – 2011

**Assistant Clinical Professor,
Northern Arizona University**
Flagstaff, AZ 86011-5094

CAATE accredited undergraduate Athletic Training Education
Program

Classes taught: Prevention of Athletic Injuries, Physical
Assessment of the Injured Athlete I; Therapeutic Exercise
of Athletic Injuries; Therapeutic Modalities in Athletic
Training, Administration in Athletic Training, Psychology
of Injury in Sport, Clinical Education I, II, IV, VI; Senior
Capstone Project – Implement curriculum, instruction, and
evaluation

Implement and oversee athletic training Peer Mentoring Groups
Advise undergraduate athletic training students
Member of College of Health and Human Services Honors &
Scholarship Committee (2010-2011)

2005 – 2009

**Laboratory Research Graduate Assistant,
University of Delaware**
Newark, DE 19716

Posture and Movement Biomechanics Research Laboratory
Research projects as designated by advisor

- 2004 – 2005 **Instructor, West Chester University**
Department of Sports Medicine
West Chester, PA 19383
CAAHEP accredited undergraduate Athletic Training Education Program
Classes taught: Athletic Training Techniques, First Aid/Athletic Training - Implement curriculum, instruction, and evaluation; Certify students in CPR and First Aid
- 2004 - 2005 **Assistant Athletic Trainer, West Chester University**
West Chester, PA 19383
Approved Clinical Instructor for Athletic Training students
Medical and Rehabilitative needs for: women's rugby, women's gymnastics
Develop and implement concussion management protocol
- 2002 – 2003 **Instructor, University of Dayton**
Dayton, OH 45469
Department of Health and Sports Sciences
Classes taught: Basic Athletic Training- Implement curriculum, instruction, and evaluation
- 2001 – 2004 **Assistant Athletic Trainer, University of Dayton**
Dayton, OH 45469
Medical and Rehabilitative needs for: women's soccer, women's basketball, women's volleyball, softball, women's crew golf, cheerleading
Approved Clinical Instructor for Athletic Training students
Wright State University
Oversee work study students (First Aid/CPR)
Member of NCAA Certification: Equity, Welfare, and Sportsmanship Sub-Committee
Served on Student-Athlete, Sportsmanship, and Ethical Conduct Working Group
Inventory of Athletic Training room
Disordered Eating Response Team (DERT) Coordinator
- 1999 – 2001 **Graduate Assistant Athletic Trainer, Saint Joseph's University**
Philadelphia, PA 19131
Mentor Athletic Training students
Temple University
Medical and Rehabilitative needs for: women's basketball, women's soccer, men's lacrosse

PROFESSIONAL MEMBERSHIPS:

National Athletic Trainers' Association
Eastern Athletic Trainers' Association
New York State Athletic Trainers' Association
American College of Sports Medicine
American Society of Biomechanics
National Strength and Conditioning Association
International Foot and Ankle Biomechanics Community (i-FAB.org)

CERTIFICATIONS:

National Athletic Trainers' Association Certified Athletic Trainer
Certification #: 069902451 Membership #: 973111
National Strength and Conditioning Association Certified Strength and
Conditioning Specialist
Certification #: 200423117 Membership #: 03-06-20-013
Approved Clinical Instructor Educator, National Athletic Trainers' Association,
February, 2011
National Provider Identifier - # 1871901421
New York State Certified Athletic Trainer – License # 002125-1;
Certificate # 7547239
Pennsylvania State Licensed Athletic Trainer - Class A
License #: RT-002205-A (inactive)
CPR/AED – Adult, Child, Infant CPR
Y Balance Test Administration Certified
Collaborative Institutional Training Initiative (CITI), Current
Protecting Human Research Participants (NIH), February, 2013
Approved Clinical Instructor, Daemen College, September, 2011
Approved Clinical Instructor, Northern Arizona University, October, 2009
Approved Clinical Instructor, West Chester University, August, 2004
Approved Clinical Instructor, Wright State University; December, 2003

PROFESSIONAL ATHLETIC TRAINING COVERAGE:

2008	Eastern Pennsylvania Rugby Union Women's Rugby Collegiate Championship November 1-2, Site: Princeton, NJ; Athletic Trainer
2008	USA Hockey Women's and Girl's National Championships March 28-30 & April 2-6, Site: West Chester, PA; Athletic Trainer
2005 – 2009	USA Hockey Atlantic District Youth Hockey Championship, Sites: Aston, PA; Hatfield, PA, Voorhees, NJ, & West Chester, PA; Athletic Trainer
2006	USA Hockey Tier-III B Junior National Championships March 31- April 4, 2006, Site: Aston, PA; Athletic Trainer

	Atlantic 10 Conference Host Athletic Trainer:
2006 - 2009	Women's Rowing Championships
2001 - 2004	Women's Rowing Championships
2002	Women's Soccer Championships
2001	Women's Volleyball Championships
2001	Women's Tennis Championships
1999	Men's and Women's Cross-Country Championships

PROFESSIONAL SERVICE:

Current	Guest Editor, Sports Special Issue: Athletic Training
Current	Editorial Board Member International Journal of Foot and Ankle World Journal of Orthopedics
Current	Manuscript Reviewer Arthritis Care & Research Athletic Training & Sports Health Care: The Journal For The Practicing Clinician Clinical Biomechanics International Journal of Athletic Therapy & Training Journal of Athletic Training Journal of Foot and Ankle Research Journal of Orthopaedic & Sports Physical Therapy Journal of Science and Medicine in Sport Journal of Sport Rehabilitation Medicine and Science in Sport and Exercise Sports Sports Health
2018	Physical Therapy Department Faculty Search Committee Member, Daemen College
2017	Breakfast Discussion Leader, The Council of Independent Colleges Workshop for Department and Division Chairs, "Maintaining Your Scholarship"
2017, 2016, 2014	Nursing Department Faculty Search Committee Member, Daemen College
2016, 2015	Natural Science Department Faculty Search Committee Member, Daemen College
2015	Health Care Studies Department Faculty Search Committee Member, Daemen College
2013	NATA Executive Committee for Education's Work Group Member: "Examining the Optimal Degree for Professional Education in Athletic Training"
2012 - 2013	Conference Planning Committee; 2013 New York State Athletic Training Association Conference
2012	Faculty representative for Daemen College Service Learning Trip to the Dominican Republic

2012 - 2014	Scholars Day, Daemen College
2012	Expert Panelist, “The Weight of the Nation”
2009 - 2011	Rocky Mountain Athletic Trainers Association Student Committee Faculty Representative
2009-2011, 2014	Abstract Reviewer National Athletic Trainers Association Annual Meeting
2009-2011, 2016 -2018	Abstract Reviewer Eastern Athletic Trainers Association Annual Meeting
2010	Northern Arizona University Honors Day Poster Judge
2007 – 2009	University of Delaware Graduate Student Sustainability Committee Member
2005	National Safety Council Volunteer Instructor CPR/AED and First Aid
2005	Moderator; National Athletic Trainers’ Association Conference
2005	Conference Planning Committee; West Chester University Department of Sports Medicine Continuing Education Conference
2004	Olympic Training Center, Colorado Springs, CO, Volunteer Athletic Trainer: USA Men’s Gymnastics Junior National Team Camp, USA Volleyball Girls HPC
2003	NCAA Championship Host Athletic Trainer Women’s Basketball East Regional
2002 – 2004	NCAA Championship Host Athletic Trainer Men’s Basketball Play-in Game

REFERRED PUBLICATIONS:

2017	Chimera NJ , Knoeller S, Cooper R, Kothe N, Smith CA, Warren M. Prediction of Functional Movement Screen™ performance from lower extremity range of motion and core tests <i>International Journal of Sports Physical Therapy</i> . 2017;12(2):173-181.
2017	Lininger MR, Smith CA, Chimera NJ , Hoog P, Warren M. The Tuck Jump Assessment: An exploratory factor analysis in a college age population. <i>Journal of Strength and Conditioning Research</i> 2017;31(3):653-659.
2017	Smith CA, Olsen B, Olsen L, Chimera NJ , Warren M. Comparison of female collegiate athletes and college age cohort in Tuck Jump Assessment. <i>Journal of Strength and Conditioning Research</i> 2017;31(4):1048-1054.

- 2016 Hoog P, Warren M, Smith C, **Chimera NJ**. Functional Hop Tests and Tuck Jump Assessment scores between female Division I collegiate athletes participating in high versus low ACL injury prone sports: A cross sectional analysis. *International Journal of Sports Physical Therapy*. 2016;11(6):945-953.
- 2016 **Chimera NJ** & Kremer K. SportsMetrics™ Training improves power and landing in High School rowers. *International Journal of Sports Physical Therapy*. 2016;11(1):44-53.
- 2016 **Chimera NJ**, Brass C, Terryberry K, Matthews L, Boggs R, Denz W, Brogan MS. The effects of a four layer compression bandaging system on Skin Perfusion Pressure in healthy adults. *Advances in Skin and Wound Care*. 2016;29(7):308-15.
- 2015 Burfeind S & **Chimera NJ**. Randomized control trial investigating the effects of Kinesiology Tape on shoulder proprioception. *Journal of Sport Rehabilitation*. 2015; 24(4):405-412.
- 2015 Engquist, K, Smith C, **Chimera NJ**, Warren M. Performance comparison of student-athletes and general college students on the Functional Movement Screen™ and the Y Balance Test. *Journal of Strength and Conditioning Research*. 2015;29(8):2296-2303.
- 2015 **Chimera NJ**, Smith C, Warren M. Injury history, sex, and performance on the Functional Movement Screen™ and Y Balance Test. *Journal of Athletic Training*. 2015;50(5):475-485.
- 2015 Warren M, Smith CA, **Chimera NJ**. Association of Functional Movement Screen™ with injuries in Division I athletes. *Journal of Sport Rehabilitation*. 2015;24(2):163-170.
- 2015 Smith CA, **Chimera NJ**, Warren M. Association of Y Balance Test reach asymmetry and injury in Division I athletes. *Med Sci Sport Exer*. 2015;47(1):136-141.
- 2013 Dudley LA, Smith CA, Olson BK, **Chimera NJ**, Schmitz B, Warren M. Interrater and intrarater reliability of the Tuck Jump Assessment by health professionals of varied educational backgrounds. *Journal of Sports Medicine*. vol. 2013, Article ID 483503, 5 pages, 2013. doi:10.1155/2013/483503.
- 2013 **Chimera NJ** & Manal K. Sex Differences in soleus strength may predispose middle age females to falls. *Journal of Strength and Conditioning Research*. 2013;27(9): 2596-2602.

- 2013 Smith C, **Chimera NJ**, Wright N, & Warren M. Interrater and intrarater reliability of the Functional Movement Screen™. *Journal of Strength and Conditioning Research*. 2013;27(4):982-987.
- 2012 **Chimera NJ**, Castro M, Davis I, Manal K. The effect of isolated gastrocnemius contracture on lower extremity kinematics and kinetics during stance. *Clinical Biomechanics*. 2012;27:917-923.
- 2010 **Chimera NJ**, Castro M, Manal K. Function and strength following gastrocnemius recession in subjects with isolated gastrocnemius contracture. *Foot and Ankle International*. 2010;31(5):377-384.
- 2009 **Chimera NJ**, Benoit D, Manal K. Influence of electrode type on neuromuscular activation patterns during walking in healthy subjects. *Journal of Electromyography & Kinesiology*. 2009;19(6):494-499.
- 2004 **Chimera NJ**, Swanik KA, Swanik CB, Straub SJ. Effects of plyometric training on muscle activation strategies and performance in female athletes. *Journal of Athletic Training*. 2004;39(1):24-31.

MANUSCRIPTS UNDER REVIEW:

- 2017 **Chimera NJ**, Lininger M, Warren M. The use of text messaging for injury reporting in sports: A critically appraised topic. *International Journal of Athletic Therapy and Training*.
- 2018 Warren M, Lininger MR, **Chimera NJ**. Utility of FMS to understand injury incidence in sports: current perspectives. Invited review. *Open Access Journal of Sports Medicine*.

MANUSCRIPTS IN PREPARATION FOR SUBMISSION:

- 2018 **Chimera NJ**. Lower back injury in elite rowers: strategies to enable early return to training. Invited review. *Open Access Journal of Sports Medicine*.
- 2018 **Chimera NJ**, Lininger M, Hudson B, Plucknette L, Kendall C, Szalkowski T, Warren M. Feasibility of injury reporting via text messaging in multiple community sports settings. *International Journal of Athletic Therapy and Training*.

- 2018 **Chimera NJ** & Larson M. Predicting Y-Balance Test performance from foot characteristics. *International Journal of Sports Physical Therapy*.
- 2018 Warren M, Lininger MR, **Chimera NJ**. Utility of FMS to understand injury incidence in sports: current perspectives. Invited review. *Open Access Journal of Sports Medicine*.

REFERRED ABSTRACTS:

- 2015 **Chimera NJ** & Kremer K. SportsMetrics™ training improves power and landing in high school rowers. *Journal of Athletic Training*, 2015;50(6):S276.
- 2015 Kothe NJ, Smith CA, Shaibi S, **Chimera NJ**, Warren M. Functional tests do not differ between injured and not injured in Division I female athletes. *Medicine and Science in Sports and Exercise*, 2015;47(5S):S649.
- 2014 **Chimera NJ**, Shaibi S, Clavell S, Smith C, Warren M. Do Functional Hop scores vary between female Division I collegiate athletes in sports with high and low ACL injury risk? *Medicine and Science in Sports and Exercise*, 2014;46(5S):S159.
- 2013 **Chimera NJ**, Smith C, Warren M. Sex differences in Functional Movement Screen™ and Y Balance Test in Division I collegiate athletes. *Medicine and Science in Sports and Exercise*, 2013;45(5S):S330.
- 2013 Smith C, **Chimera NJ**, Pinson R, Warren M. Reach asymmetry during Y-Balance Test associated with injury in Division I athletes. *Medicine and Science in Sports and Exercise*, 2013;45(5S):S330.
- 2013 Warren M, Smith C, Pinson R, **Chimera NJ**. Functional Movement Screen™ is a poor predictor of injury in Division I athletes. *Medicine and Science in Sports and Exercise*, 2013;45(5S):S331.
- 2009 **Chimera NJ**, Castro M, Manal KT. The effect of esolated gastrocnemius contracture and surgical gastrocnemius recession on strength and function. *Medicine and Science in Sports and Exercise*, 2009;41(5):S293.

- 2009 MacLeod TD, **Chimera NJ**, Castro M, Manal KT, Buchanan TS. Surgical recession of the gastrocnemius does not change plantar flexion moments. *Medicine and Science in Sports and Exercise*, 2009;41(5):82.
- 2002 **Chimera NJ**, Swanik KA, Swanik CB, Straub SJ. Effects of plyometric training on muscle activation strategies and performance in female athletes. *Journal of Athletic Training*, 2002;37(2):S20.

BOOK CHAPTERS:

- 2016 **Chimera NJ**. Training and Conditioning Techniques. *Introduction to Athletic Training and Emergency Care in Sport*. 3rd Edition. Ed. Angela Lampe. Kendall/Hunt Publishing Company; 2016.
- 2010 **Chimera NJ**. Training and Conditioning Techniques. *Introduction to Athletic Training and Emergency Care*. Ed. Angela Lampe. Kendall/Hunt Publishing Company; 2010.

EDITORIALS/REVIEWS/NON-PEER REVIEWED PUBLICATIONS:

- 2017 Smith CA, **Chimera NJ**, Lininger MR, Warren M. Modified tuck jump assessment: reliability and training of raters. *Journal of Sports Science and Medicine*, 2017;16:440-442.
- 2016 **Chimera NJ** & Warren M. The use of clinical movement screening tests to predict injury in sport. *World Journal of Orthopedics*, 2016;7(4):202-217.
- 2016 **Chimera NJ**, Brass C, Brogan MS. Case series: Assessing wound healing potential through the use of Skin Perfusion Pressure. *Today's Wound Clinic*. March, 2016.
- 2015 Hartigan E, **Chimera NJ**, Lamberton S. Clinical utility of the Functional Movement Screen™ and its components. *Lower Extremity Review*. January, 2015.

NATIONAL PRESENTATIONS:

- 2018 **Chimera NJ**, Lininger MR, Smith CA, Copp A, Warren M. *The association of proximal hip strength and non-contact injury in Division I female student-athletes*. Abstract accepted for presentation at American College of Sports Medicine Annual Meeting. Minneapolis, MN, 2018.

- 2018 Warren M, Lininger MR, Smith CA, Copp A, **Chimera NJ**. *The association of asymmetry in hopping tests and non-contact injuries in Division I female student-athletes*. Abstract accepted for presentation at American College of Sports Medicine Annual Meeting. Minneapolis, MN, 2018.
- 2018 **Chimera NJ**, Lininger MR, Hudson B, Kendall C, Plucknette L, Szalkowsk T, Warren M. *Feasibility of injury reporting via SMS in community sport settings: A prospective cohort study*. Abstracted accepted for presentation at Combined Sections Meeting of the American Physical Therapy Association. New Orleans, LA, 2018.
- 2016 Hoog P, Warren M, Smith C, **Chimera NJ**. *Functional Hop Tests and Tuck Jump Assessment scores between female Division I collegiate athletes*. Abstracted accepted for presentation at Combined Sections Meeting of the American Physical Therapy Association. Anaheim, CA, 2016.
- 2015 **Chimera NJ**, Knoeller S, Cooper R, Kothe N, Smith CA, Warren M. *Prediction of FUNCTIONAL MOVEMENT SCREEN™ performance from lower extremity range of motion and core tests*. American Society of Biomechanics Annual Meeting. Columbus, OH, 2015.
- 2015 **Chimera NJ** & Kremer K. *SportsMetrics™ training improves power and landing in high school rowers*. National Athletic Trainers' Association Clinical Symposia. St. Louis, MO, 2015.
- 2015 Dorchak D, Warren M, **Chimera NJ**. *The relationship between sex and the Arch Height Index in Division II athletes*. National Athletic Trainers' Association Clinical Symposia. St. Louis, MO, 2015.
- 2015 Kothe NJ, Smith CA, Shaibi S, **Chimera NJ**, Warren M. *Functional tests do not differ between injured and not injured in Division I female athletes*. American College of Sports Medicine Annual Meeting. San Diego, CA, May, 2015.
- 2014 **Chimera NJ**, Shaibi S, Clavell S, Smith C, Warren M. *Do Functional Hop scores vary between female Division I collegiate athletes in sports with high and low ACL injury risk?* American College of Sports Medicine Annual Meeting. Orlando, FL, May, 2014.

- 2014 **Chimera NJ**, Brass C, Pordum F, Brogan MS. *Use of skin perfusion pressure to assess wound healing status*. Symposium on Advanced Wound Care/Wound Healing Society (SAWC/WHS). Orlando, FL, April, 2014.
- 2014 Boggs R, Denz W, Matthews L, Terryberry K, Brass C, Brogan M, **Chimera NJ**. *The effects of Profore Multilayer Compression Bandaging System on skin perfusion pressure in healthy adults*. Combined Sections Meeting of American Physical Therapy Association. Las Vegas, NV, February, 2014.
- 2014 Dudley LA, Smith CA, Olson BK, **Chimera NJ**, Schmitz B, Warren M. *Is the Tuck Jump Assessment a reliable measure?* Combined Sections Meeting of American Physical Therapy Association. Las Vegas, NV, February, 2014.
- 2014 Engquist, K, Smith C, **Chimera NJ**, Ganley K, Warren M. *Functional Movement Screen™: Performance differences between males and females*. Combined Sections Meeting of American Physical Therapy Association. Las Vegas, NV, February, 2014.
- 2013 **Chimera NJ**, Smith C, Warren M. *Sex differences in Functional Movement Screen™ and Y Balance Test in Division I collegiate athletes*. American College of Sports Medicine Annual Meeting and World Congress on Exercise is Medicine. Indianapolis, IN May, 2013.
- 2013 Smith C, **Chimera NJ**, Pinson R, Warren M. *Reach asymmetry during Y-Balance Test associated with injury in Division I athletes*. American College of Sports Medicine Annual Meeting and World Congress on Exercise is Medicine. Indianapolis, IN, May, 2013.
- 2013 Warren M, Smith C, Pinson R, **Chimera NJ**. *Functional Movement Screen™ is a poor predictor of injury in Division I athletes*. American College of Sports Medicine Annual Meeting and World Congress on Exercise is Medicine. Indianapolis, IN, May, 2013.
*Honored at Clinicians Reception as one of the best clinical case/research presentation of the year.
- 2011 **Chimera NJ** & Manal KT. *Sex differences in plantar flexion strength may predispose middle age females to falls*. American Society of Biomechanics Annual Meeting, Long Beach, CA, August 2011.

- 2011 Smith C, **Chimera NJ**, Wright N, & Warren, M. *Interrater and intrarater reliability of the Functional Movement Screen*. American Society of Biomechanics Annual Meeting, Long Beach, CA, August 2011.
- 2009 **Chimera NJ**, Castro MD, Manal KT. *Surgical recession of the gastrocnemius does not influence plantar pressure*. American Society of Biomechanics Annual Meeting, State College, PA August, 2009.
- 2009 **Chimera NJ**, Castro MD, Manal KT. *Isokinetic plantar flexion torque increases after open gastrocnemius recession*. American Society of Biomechanics Annual Meeting, State College, PA August, 2009.
- 2009 MacLeod T, **Chimera NJ**, Manal KT, Buchanan, TS. *Volitional MVC EMG normalization tasks between days*. American Society of Biomechanics Annual Meeting, State College, PA August, 2009.
- 2009 **Chimera NJ**, Castro MD, Manal KT. *The effect of isolated gastrocnemius contracture and surgical gastrocnemius recession on strength and function*. American College of Sports Medicine Annual Meeting, Seattle, WA May, 2009.
- 2009 MacLeod T, **Chimera NJ**, Castro MD, Manal KT, Buchanan, TS. *Surgical recession of the gastrocnemius does not change plantar flexion moments*. American College of Sports Medicine Annual Meeting, Seattle, WA May, 2009.
- 2008 **Chimera NJ**, Castro MD, Manal KT. *How does isolated gastrocnemius contracture affect plantar pressure in neurologically healthy subjects?* North American Congress on Biomechanics Meeting, Ann Arbor, MI, August, 2008.
- 2008 Cowder J, **Chimera NJ**, Buchanan T, Manal KT. *Estimation of Achilles Tendon moment arms in vivo: A novel hybrid methodology using ultrasonography and motion analysis*. American Society of Mechanical Engineering Summer Bioengineering Conference, Marco Island, FL June, 2008.
- 2008 **Chimera NJ**, Castro MD, Manal KT. *Gastrocnemius recession: a treatment for foot pathology with associated isolated gastrocnemius contracture*. Gait and Clinical Movement Analysis Society Meeting, Richmond, VA April, 2008.

- 2007 **Chimera NJ**, Castro MD, Manal KT. *Surgical recession of the gastrocnemius for isolated contracture: a case study*. American Society of Biomechanics Meeting, Palo Alto, CA August, 2007.
- 2007 Buchanan T, **Chimera NJ**, Cowder J, Manal KT. *A hybrid methodology using ultrasonography and motion analysis for estimation of Achilles tendon moment arms in vivo*. American Society of Biomechanics Meeting, Palo Alto, CA August, 2007.
- 2006 **Chimera NJ**, Benoit DL, Manal K. *EMG signal amplitude differences during maximal isometric and isokinetic activity*. American Society of Biomechanics Meeting, Blacksburg, VA September, 2006.
- 2006 Manal K, Gardinier J, **Chimera NJ**. *What are we missing when using inverse dynamics?* American Society of Biomechanics Meeting, Blacksburg, VA September, 2006.
- 2002 **Chimera NJ**. *Effects of plyometric training on muscle activation strategies and performance in female athletes*. National Athletic Trainers Association Meeting and Clinical Symposia, Dallas, TX June, 2002.

REGIONAL PRESENTATIONS:

- 2018 **Chimera NJ**, Larson M. *Predicting Y-Balance Test performance from foot characteristics*. Abstract accepted for presentation at Eastern Athletic Trainers Association Meeting and Clinical Symposium. Boston, MA January, 2018.
- 2013 **Chimera NJ**, Smith C, Warren M *The impact of injury history on Functional Movement Screen™ and Y Balance Test performance outcomes*. Eastern Athletic Trainers Association Meeting and Clinical Symposium. Buffalo, NY January, 2013.
- 2010 **Chimera NJ**. *Lower extremity overuse injuries: What are we missing?* Rocky Mountain Athletic Trainers Association Symposium, Denver, CO, April 2010.
- 2007 **Chimera NJ**, Benoit DL, Manal K. *Muscular activation during hopping tasks: surface vs. fine-wire electrodes*. North East-American Society of Biomechanics Conference College Park, MD March 2007.

INVITED PRESENTATIONS:

- 2014 **Chimera NJ.** SportsMetric™ training for ACL prevention. Catholic Health Sports Medicine Update 2014. Amherst, NY. August, 2014.
- 2011 **Chimera NJ.** *Recognition and treatment of Concussions.* Arizona Athletic Trainers Association Special Sessions for College Students, Mesa, AZ. February, 2011.
- 2005 **Chimera NJ.** *Preventing ACL injuries.* West Chester University Department of Sports Medicine Continuing Education Conference, West Chester, PA. December, 2005.

INTRAMURAL FUNDING:

- 2017 **Chimera NJ,** Begalle RL, Odell T. *The effects of MovNat training on functional movement and working memory*
Daemen College Student-Faculty Interdisciplinary Research Think Tank; Direct Costs: \$2,792.00 (**Fully Funded**)
- 2014 **Chimera NJ,** Terryberry K, Boggs R, Denz W, Case C, Esperti K. *The acute effects of body position and ambulation with and without the application of compression.*
Daemen College Student-Faculty Interdisciplinary Research Think Tank; Direct Costs: \$1,684.70 (**Fully Funded**)
- 2014 **Chimera NJ,** Matthews L, Terryberry K, Boggs R, Denz W. *Preliminary investigation into the feasibility of a large comprehensive study focusing on the effect of lower limb compression wrapping on arterial blood flow and tissue extensibility (Part 2)*
Daemen College Student-Faculty Interdisciplinary Research Think Tank; Direct Costs: \$1,500.00 (**Fully Funded**)
- 2013 **Chimera NJ,** Matthews L, Terryberry K, Boggs R, Denz W. *Preliminary investigation into the feasibility of a large comprehensive study focusing on the effect of lower limb compression wrapping on arterial blood flow and tissue extensibility (Part 1)*
Daemen College Student-Faculty Interdisciplinary Research Think Tank; Direct Costs: \$2550.00 (**Fully Funded**)

2012 **Chimera NJ**, Matthews L, Terryberry K,
*Preliminary investigation into the feasibility of a large
comprehensive study focusing on the effect of lower limb
compression wrapping on arterial blood flow and tissue
extensibility*
Daemen College Faculty Research Committee; Direct Costs:
\$2195.00 (**Fully Funded**)

EXTRAMURAL FUNDING:

2018 Warren M, Lininger MR, **Chimera NJ**.
*Association of Functional Movement Screening Test with Injury in
Community Sports*
NIH Academic Research Enhancement Award (AREA – R15)
Role: Collaborator
Direct Costs: TBD (submission date February 25, 2018)

2014 Leddy J, Willer B, Pape D, Ramamurthy B, Baker J, Hinds A,
Sullivan R, Schenk R, **Chimera NJ**
Game Changer for the NCAA
NCAA – U.S Department of Defense Mind Matters Challenge
Role: Co-Investigator
Direct Costs: \$30,000.00 (Not Funded)

2014 **Chimera NJ**, Warren M, Smith CA
*Muscle activation and joint kinematics during performance of the
Y Balance Test*
Eastern Athletic Trainers Association General Grant Program
Role: PI
Direct Costs: \$9,998.00 (Not Funded)

2013 **Chimera NJ**, Brogan M, Warren M
*The Effects of 12 Weeks of Stride Length Retraining on Function
And Plantar Pressures In Older Adults With Diabetes*
ADA-Lilly Clinical Research Reward: Diabetes Care in Older
Adults
Role: PI
Direct Costs: \$192,408.00; Indirect Costs: \$28,862.00 (Not
Funded)

2011 **Chimera NJ**, Warren, M
*Can the Functional Movement Screen Be Used to Predict Non-
Contact Injury During Collegiate Sport Participation?*
NATAREF General Grant Program
Role: Co-PI
Direct Costs: \$49,976.00; Indirect Costs: \$7,497.00 (Not Funded)

- 2010 **Chimera NJ, Warren, M**
Can the Functional Movement Screen Be Used to Predict Non-Contact Injury During Collegiate Sport Participation?
NATAREF Pre-Proposal
Role: Co-PI
Invited for full proposal 01/24/2011
- 2007 **Chimera NJ**
The Effects of Isolated Gastrocnemius Contracture On Lower Extremity Overuse Injuries
Eastern Athletic Trainers Association General Grant Program
Role: PI
Direct Costs: \$4,000.00 (Not Funded)

PROFESSIONAL DEVELOPMENT:

- 2015 NIH Grants Seminar: Insights and Strategies for Early & Mid-Career Scholars
- 2014 NIH Regional Seminars on Program Funding and Grants Administration
- 2013, 2014 Annual Niagara University International Conference on Teaching and Learning
- 2013, 2014 Annual Daemen Learning & Teaching Symposium
- 2013, 2014 Daemen College Academic Computing Services' Byte of Technology Symposium
- 2012 Faculty Research Presentation: *Using The Functional Movement Screen To Predict Musculoskeletal Injury*, Daemen College
- 2012 SUNY Fredonia Teaching & Learning Conference
- 2012 UAC Conference "Holistic Advising- The Whole Student Approach"
- 2011 Winter Hockey Symposia, Sports Medicine Concept
- 2008 Responsible Conduct of Research Workshop, University of Delaware

RESEARCH AND COMPUTER SKILLS:

- IBM SPSS Statistics
- Motion Labs EMG Hardware/Software System
- Visual 3D Software
- Aloka Ultrasound Technology
- Biodex System 3
- LabVIEW
- Qualysis Motion Capture System
- TekScan HR Plantar Pressure Mat & Software
- Sportsmetrics Valgus Digitizer
- Noraxon Telemyo EMG Hardware/Software System

Functional Movement Screen Administration
Y-Balance Test Administration
Body composition assessment via skin-fold
Sports Ware Injury Tracking Software

HONORS AND AWARDS:

2015	Outstanding Contribution in Reviewing – Clinical Biomechanics
2015	Daemen College Faculty Travel Award
2014	Daemen College Faculty Travel Award
2011	Outstanding Educator, Northern Arizona University, Athletic Department
2009	American College of Sports Medicine Biomechanics Interest Group- Motion Lab Systems Student Travel Award
2009	University of Delaware Professional Development Award
2005-2009	Full tuition remission, University of Delaware
2001	Patricia Ryan Unsung Hero Award Saint, Joseph's University Women's Basketball Team
1999-2001	Full tuition remission, Temple University
1999	Graduated Cum Laude from West Chester University