

Kara N. (Haring) Gange
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Education:

Aug. 2004-Dec. 2010 North Dakota State University, Fargo, ND 58108

- Ph.D. in Education, Institutional Analysis track
 - Dissertation title: The Current Status and Future Direction of Post-Professional Graduate Athletic Training Education: A Delphi Study.

Aug. 1996 - July 1998 University of Nebraska at Kearney, Kearney, NE 68848

- Masters of Arts in Education, Physical Education with an emphasis in Exercise Science
 - Thesis: The Relationship of Non-contact ACL Injuries and Excessive Foot Pronation.

Aug. 1990 – June 1994 Minnesota State University, Mankato, Mankato, MN 56002

- Bachelor of Science, Athletic Training/Pre-Physical Therapy
- Graduate Summa Cum Laude

Work Experience:

Aug. 2004 – present North Dakota State University, Health, Nutrition, and Exercise Sciences Department, Fargo, ND 58108

Aug. 2014-present MS in Advanced Athletic Training Program Director

- Responsible for the daily administration of the MS in Advanced AT program
- Provide academic advisement for MS graduate students
- Develop, evaluate, oversee, and refine the didactic and graduate/research assistant positions for the MS program
- Secure contracts for additional GA/RA positions as needed
- Conduct periodic curriculum review of the program
- Organize and administer MS course offerings
- Recruit and meet with prospective MS students
- Oversee the MS program budget

Aug. 2018 – Present Associate Professor in Athletic Training.

Jan. 2010-May 2018 Assistant Professor in Athletic Training programs: Professional and Post-Professional.

- Instruct courses in the professional undergraduate and masters' programs
- Instruct courses in the post-professional athletic training masters' program
- Serve on Master's case studies/thesis committees
- Chair MS theses and PhD dissertations
- Courses instructed in the professional athletic training undergraduate and masters' programs: Therapeutic Exercise; Therapeutic Modalities; AT Evidence-Based Research and Practice

- Courses instructed in the post-professional masters' program: Diagnostic Ultrasound – Shoulder and Knee Basics, Evidence Based Therapeutic Modalities; Teaching Seminar; and Practicum courses.
- Spring 2014: Program director duties for the MS in Advanced Athletic Training program while the program director was on developmental leave.

Aug. 2004-Dec. 2010 Instructor in Athletic Training programs: Professional and Post-Professional.

- Instructed courses in the professional undergraduate and masters' programs
- Instructed courses in the post-professional athletic training masters' program
- Academically advised athletic training undergraduates
- Served on Master's comprehensive papers/thesis committees
- Courses instructed in the professional athletic training undergraduate and masters' programs: Athletic Trainers' Profession; Injury Recognition & Evaluation of the Upper Extremity; Injury Recognition & Evaluation of the Head, Neck, & Back; Therapeutic Exercise; Therapeutic Modalities; First Aid & CPR; all clinical experience courses
- Courses instructed in the post-professional masters' program: Diagnostic Evaluation of Athletic Injuries

Aug. 2004-May 2011 Athletic Training Clinical Education Coordinator

- Coordinated on-campus and off-campus clinical experiences.
- Supervised and evaluated proficiencies of athletic training students
- Investigated and developed new off-campus affiliations as needed.
- Clinical Instructor Educator (CIE) providing Approved Clinical Instructor workshops as needed.
- Developed ACI Handbook, clinical proficiency evaluations.
- Assisted program director with CAATE accreditation maintenance and re-accreditation preparation.
- Investigated, developed, and implemented online evaluations, hour documentation, and proficiency evaluation.

Aug. 2002 – June 2004 Minnesota State University Moorhead, Moorhead, MN 56563

- Athletic Training Clinical Education Coordinator; Health, Physical Education Department
 - Coordinated on-campus and off-campus clinical experiences
 - Updated and summarized athletic training student and approved clinical instructor evaluations
 - Supervised and evaluated proficiencies of athletic training students
 - Investigated and developed relationships with potential off-campus affiliations
 - Clinical Instructor Educator (CIE) providing Approved Clinical Instructor workshops as needed
 - Assisted program director with CAATE accreditation preparation
- Instructor of Athletic Training
 - Instructed courses in the Athletic Training Education Program
 - Academically advised athletic training students
 - Assisted with athletic training student recruitment

- Courses instructed: Care and Prevention of Athletic Injuries & Lab; Athletic Training Techniques; Athletic Training Upper Extremity Injury Lab; Pharmacology and General Medical Issues; Athletic Training Practicum I, III, IV, & V.

Aug. 1998 – June 2002 University of Southern Maine, Gorham, ME 04038

- Clinical Instructor of Athletic Training; Sports Medicine Department
 - Athletic Training Faculty
 - Instructed courses in the Department of Sports Medicine
 - Assisted with athletic training student recruitment
 - Academically advised freshman, transfer, & non-matriculated students
 - Courses instructed: Emergency Response; Lifetime Physical Fitness and Wellness; Introduction to Sports Medicine; Prevention of Sports Injuries Practicum; Prevention and Recognition and Care of Physical Activity Injuries; Athletic Training Clinic I, II, & VI; Therapeutic Exercise; Kinesiology
 - Curriculum Development
 - Assisted program director with CAAHEP accreditation preparation
 - Clinical Instructor Educator (CIE) providing Approved Clinical Instructor workshops
 - Clinical Supervisor of Athletic Training Students
 - Supervised athletic training students obtaining clinical experiences in the athletic training laboratory and at off-campus sites
 - Coordinated on-campus and off-campus clinical education
 - Evaluated skill proficiencies of athletic training students
 - Developed and updated athletic training student handbook
 - Service to USM's athletes
 - Coordinated and managed health care coverage for the University of Southern Maine Athletic Training Laboratory
 - Provided pre and post practice athletic training services for men's and women's cross country, indoor track and field, and outdoor track and field.
 - Certified athletic trainer for field hockey, wrestling, men's and women's indoor track, and women's lacrosse for 1998-2001

Aug. 1996 – July 1998 University of Nebraska at Kearney, Kearney, NE 68848

- Graduate Assistant Certified Athletic Trainer
- Duties: assisted with coordination and management of the health care coverage of the University of Nebraska at Kearney athletes from 16 sports
 - Direct supervision of athletic training students
 - Head Certified Athletic Trainer for Division II volleyball, wrestling, softball, and men's and women's tennis; assisted with football
 - Co-instructed an Introduction to Athletic Training course
 - Assisted with Gross Anatomy labs
 - Implemented continuing education unit presentations
 - Assisted Head AT with budgeting, ordering, and inventory
 - Assisted with NCAA drug testing

Aug. 1994 – July 1996 Two Rivers Center, Inc. 3505 Northdale Blvd. N.W. Coon Rapids, MN 55448

- Certified Athletic Trainer
 - Teamed with Physical Therapists

- Implemented orthopedic physical therapy treatment and rehabilitation programs
- Specialized in McKenzie protocol on spinal injuries
- Provided athletic training services to Elk River High School
 - Provided athletic training coverage for youth tournaments
 - Implemented coaches' clinics
 - Established Sports Medicine Assistant program at Elk River High School
 - Authored monthly column in Elk River Star Newspaper
 - Presented at Junior High Career Days in Elk River School System

July 1994 Minnesota Twins Tryout Camp Hubert H. Humphrey Metrodome Minneapolis, MN 55414

- Certified Athletic Trainer for minor league baseball tryouts

Certifications/Memberships:

- Board of Certification since June, 1994
- American Red Cross, Professional Rescuer
- National Athletic Trainers' Association
- Mid-America Athletic Trainers' Association
- North Dakota Athletic Trainers' Association

Publications:

Refereed:

Lyman KJ, McCrone M, Hanson TA, Mellinger CD, **Gange K**. Kinesio® Tape barrier does not inhibit intramuscular cooling during cryotherapy. *Journal of Sport Rehabilitation*. 2019
<https://doi.org/10.1123/jsr.2018-0009>. [In Press]

Wilson S, Christensen B, **Gange K**, Hatterman-Valenti H, Todden C. Chronic stretching during two weeks immobilization decreases loss of girth, peak torque, and dorsiflexion ROM. *Journal of Sports Rehabilitation*, 2019; 28(1): 67-71.

Karandish F, Mamnoon B, Feng L, Haldar MK, Xia L, **Gange KN**, You S, Choi Y, Sarkar K, Mallik S. Nucleus-targeted, echogenic polymersomes for delivering a cancer stemness inhibitor to pancreatic cancer cells. *Biomacromolecules*. 2018; 19(10): 4122-4132.

Kulkarni P, Haldar MK, Karandish F, Confeld M, Hossain R, Borowicz P, **Gange K**, Xia L, Sarkar K, Mallik S. Tissue-penetrating, hypoxia-responsive echogenic polymersomes for drug delivery to solid tumors. *Chemistry – A European Journal*. 2018; 24(48): 12490 – 12494.

Xia L, Karandish F, Kumar K, Froberg J, Kulkarni P, **Gange K**, Choi Y, Mallik S, Sarkar K. Acoustic characterization of echogenic polymersomes prepared from amphiphilic block copolymers. *Ultrasound in Medicine & Biology*. 2018; 44(2): 447-457.

Gange KN, Kjellerson MC, Berdan CJ. The Dynatron Solaris® ultrasound machine heats slower than textbook recommendations at 3 MHz, 1.0 W/cm². *Journal of Sports Rehabilitation*, 2018; 27(1): 22-28.

Lyman KJ, **Gange KN**, Hanson TA, Mellinger CD. Effects of 3 different elastic therapeutic taping methods on the subacromial joint space. *Journal of Manipulative and Physiological Therapeutics*. 2017; 40(7): 494-500.

Lyman K, **Gange K**, Hanson T, Mellinger C. Physiological effects of Kinesio Taping Methods® on subacromial joint space. *Journal of Manipulative and Physiological Therapeutic*, 2017; 40(7): 494-500.

Lyman KJ, Keister K, **Gange K**, Mellinger CD, Hanson TA. Investigating the effectiveness of Kinesio® Taping space correction method in healthy adults on patellofemoral joint and subcutaneous space. *International Journal of Sports Physical Therapy*, 2017; 12(2): 250-257.

Ashcraft T, Lyman K, **Gange K**, Albrecht J, Hanson T. Considering Kinesio® Tape for the treatment of forward shoulder posture. *Oklahoma AHPERD*, 2017; 54(1): 51-63.

Nahire R, Hossain R, Patel R, Paul S, Meghnani V, Ambre AH, **Gange KN**, Katti KS, Leclerc E, Srivastava DK, Sarkar K, Mallik S. pH-Triggered echogenicity and contents release from liposomes. *Molecular Pharmaceutics*. 2014; 11(11): 4059-68.

Nahire R., Halder M.K., Paul S., Ambre AH, Meghnani V., Layek B, Katti KS, **Gange KG**, Singh J, Sarkar K, and Mallik S. Multifunctional polymersomes for cytosolic delivery of gemcitabine and doxorubicin to cancer cells. *Biomaterials*, 2014; 35:6482-6497.

Nahire R, Haldar, MK, Paul S, Mergoum A, Ambre AH, Katti KS, **Gange KN**, Srivastava DK, Sarkar K and Mallik S. Polymer coated echogenic lipid nanoparticles with dual release triggers. *Biomacromolecules*, 2013;14:841-853.

Nahire R, Shirshendu P, Scott MD, Singh RK, Muhonen WW, Shabb J, **Gange KN**, Srivastava DK, and Mallik S. Ultrasound enhanced matrix metalloproteinase-9 triggered release of contents from echogenic liposomes. *Molecular Pharmaceutics*. 2012, 9, 2554-2564.

Other Refereed (abstracts and proceedings):

Hilliard MW, **Gange K**, Hackney K, Peterson R. Measuring popliteal artery blood flow following a moderate fire and air vacuum cupping treatment. *Journal of Athletic Training*. 2018; 53(6): S-153. [Abstract]

Labodi K, **Gange K**, German N, Blodgett-Salafia B. The effects of the Graston Technique® on tendinopathy measured by diagnostic ultrasound. Big Sky Athletic Training Sports Medicine Conference 2018. [Abstract]

Gange KN, Poirier KJ. Immersion ultrasound treatment: Should intensity be increased for therapeutic heating? *Journal of Athletic Training*. 2017; 52(6): S-309-310. [Abstract]

Bates H, **Gange K**, German Knodel N, Blodgett Salafia E. The effects of TheroStim Instrument Assisted Soft Tissue Mobilization and superficial heat on range of motion of the hamstrings and perceived patient comfort. *Journal of Athletic Training*. 2017; 52(6): S-304. [Abstract]

McCrone MS, Lyman KJ, **Gange KN**, Kjellerson M, Hanson TA. The effect of Kinesio Tape® on intramuscular tissue temperature change during a 20 minute cryotherapy application. *Journal of Athletic Training*. 2017; 52(6): S-289. [Abstract]

Ashcraft TA, Lyman KL, **Gange KN**, Albrecht J, Hanson TA. The effect of Kinesio Tape® on intramuscular tissue temperature change during a 20 minute cryotherapy application. *Journal of Athletic Training*. 2017; 52(6): S-280. [Abstract]

Kjellerson M, **Gange K**, Poirier K. The Dynatron Solaris® ultrasound machine heats slower than textbook recommendations at 3 MHz, 1.2 W/cm². *Journal of Athletic Training*. 2016; 51(6): S-74. [Abstract]

Strand K, **Gange K**, David S, Vetter R. Measuring brachial artery blood flow following a 3 MHz, 1.0 W/cm² thermal therapeutic ultrasound treatment. *Journal of Athletic Training*, 2016; 51(6): S-73. [Abstract]

Christensen, B, Wilson S, **Gange K**, Todden C, Hatterman-Valenti H, Albrecht J. The benefits of stretching during immobilization. Proceedings of the 33rd International Conference of Biomechanics in Sports, ISBS-Conference Proceedings Archive, 1023-1026.

Gange K, Kjellerson M, Berdan C. They Dynatron Solaris® ultrasound machine heats slower than textbook recommendations at 3 MHz, 1.0 W/cm². *Journal of Athletic Training*. 2015; 50(6): S-18. [Abstract]

Berdan C, Gange K, Blodgett Salafia E, Tervizan D. The effect of 2 MHz ultrasound on intramuscular temperature at 1.5, 2.5, and 3 cm depths. *Journal of Athletic Training*. 2015; 50(6): S-19. [Abstract]

Haring KN, Bishop P, Slawski DP, Rosene JM Differences in Calcaneal Eversion and Navicular Drop Between Genders and Between Non-Contact ACL Injured and Non-injured Knees. *Journal of Athletic Training*. 1999;34:S-45 [abstract]

Manuscripts In Progress:

Gange K, Kjellerson M. The Dynatron Solaris® heats slower than textbook recommendations at 3 MHz, 1.2W/cm². Will be submitted to Journal of Sports Rehabilitation.

Strand K, **Gange K**, David S, Vetter R. Measuring brachial artery blood flow following a 3 MHz, 1.0 W/cm² thermal ultrasound treatment. Will be submitting to the Journal of Sports Rehabilitation.

Bedan C, **Gange K**, Blodgett Salafia E, Terbizan D. The effect of 2 MHz ultrasound on intramuscular temperature at 1.5, 2.5, and 3.0 cm depths. Will be submitting to the Journal of Sports Rehabilitation.

Presentations:

Local:

Ford AL, Oakes, LK, Lyman KJ, **Gange KN**, Hanson TA. The effects of Kinesio Taping Methods® on the subacromial space at 30, 60, 90, 120 degrees of shoulder abduction. NDSU Explore: Undergraduate Excellence in Research and Scholarly Activity. November 1, 2016. [Oral Presentation]

McCrone MS, Lyman KJ, **Gange K**, Kjellerson M, Hanson TA. The effect of Kinesio Tape® on intramuscular tissue temperature change during a 20 minute cryotherapy application. NDSU 3 Minute Thesis Competition; February 1, 2017.

Ashcraft TA, Lyman KL, **Gange KN**, Albrecht J, Hanson TA. The effects of Kinesio Tape® on forward shoulder posture as observed and quantified by diagnostic ultrasound. NDSU 3 Minute Thesis Competition; February 1, 2017.

Keister K, Lyman K, **Gange K**, Hanson T. The effects of space correction Kinesio Taping Method® on the patellofemoral joint measured by diagnostic ultrasound. NDSU 3 Minute Thesis Competition; February 10, 2016.

State Invited:

Gange K, Kjellerson M. Evidence Based Therapeutic Ultrasound – Are Textbook Parameters One Size Fits All? North Dakota Athletic Trainers' Association (NDATA) State Meeting; April 22, 2017 in Fargo, ND. Participants received EBM CEUs for attending our presentation.

Gange K. Introduction to Musculoskeletal Diagnostic Ultrasound. North Dakota Athletic Trainers' Association (NDATA) State Meeting; April 2013 in Fargo, ND.

Albrecht JM, **Gange KN**. Common orthopedic injuries and special tests. Invited presentation at the North Dakota State Nurse Practitioner Annual Meeting; May, 2008 in Fargo, ND.

Refereed National:

Gange KN, Poirier KJ. Immersion ultrasound treatment: Should intensity be increased for therapeutic heating? National Athletic Trainers' Association (NATA) 68th Clinical Symposia & AT Expo: June 27, 2017. [Poster Presentation]

Bates H, **Gange K**, German Knodel N, Blodgett Salafia E. The effects of ThermoStim Instrument Assisted Soft Tissue Mobilization and superficial heat on range of motion of the hamstrings and perceived patient comfort. National Athletic Trainers' Association (NATA) 68th Clinical Symposia & AT Expo: June 27, 2017. [Poster Presentation]

McCrone MS, Lyman KJ, **Gange K**, Kjellerson M, Hanson TA. The effect of Kinesio Tape® on intramuscular tissue temperature change during a 20 minute cryotherapy application. National Athletic Trainers' Association (NATA) 68th Clinical Symposia & AT Expo: June 27, 2017. [Poster Presentation]

Ashcraft TA, Lyman KL, **Gange KN**, Albrecht J, Hanson TA. The effects of Kinesio Tape® on forward shoulder posture as observed and quantified by diagnostic ultrasound. National Athletic Trainers' Association (NATA) 68th Clinical Symposia & AT Expo: June 27, 2017. [Poster Presentation]

Oaks L, Ford AL, Lyman KJ, **Gange KN**, Hanson TA. Measurements of acromiohumeral distance with the application of Kinesio Tape® at 30, 60, 90, 120 degrees of glenohumeral abduction. Council on Undergraduate Research 31st National Conference on Undergraduate Research (NCUR), University of Memphis, Memphis, TN; April 2017. [Oral Presentation]

Strand K, **Gange K**. Measuring brachial artery blood flow following a 3 MHz, 1.0 W/cm². National Athletic Trainers' Association 67th Clinical Symposia and AT expo Free Communications, Baltimore, MD; June 2016. [Oral Presentation]

Kjellerson M, **Gange K**. Measuring brachial artery blood flow following a 3 MHz, 1.2 W/cm². National Athletic Trainers' Association 67th Clinical Symposia and AT Expo Free Communications, Baltimore, MD; June 2016. [Oral Presentation]

Jaskolski K, **Gange K**. The effects of Graston Technique[®] treatment times on sprint performance in collegiate wrestlers. National Athletic Trainers' Association 67th Clinical Symposia and AT Expo Free Communications, Baltimore, MD; June 2016. [Poster Presentation]

Gange K, Kjellerson M, Berdan C. The Dynatron Solaris[®] ultrasound machine heats slower than textbook recommendations at 3 MHz, 1.0 W/cm². National Athletic Trainers' Association 66th Clinical Symposia & AT Expo Free Communications, St. Louis, Missouri; June 2015. [Oral Presentation]

Berdan C, Gange K, Blodgett Salafia E, Terbizan D. The effect of 2 MHz ultrasound in intramuscular temperature at 1.5, 2.5, and 3 cm depths. National Athletic Trainers' Association 66th Clinical Symposia & AT Expo Free Communications, St. Louis, Missouri; June 2015. [Oral Presentation]

Wilson S, Christensen B, **Gange K**, Todden C, Hatterman-Valenti H, and Albrecht J. Chronic stretching during two weeks of immobilization decreases loss of girth, strength, and dorsiflexion ROM. National Athletic Trainers' Association (NATA) 65th Clinical Symposia & AT Expo, Indianapolis, IN; June 2014. [Thematic Presentation]

Toy BJ, Claiborne TL, **Haring KN**, and Myers JL. Blending an Athletic Training Education Curriculum with Other Health Care Curricula Over-Time. Athletic Training Educators' Conference, National Athletic Trainers' Association, Dallas, TX; January, 2007. [Poster Presentation]

Haring KN. Differences in Calcaneal Eversion and Navicular Drop Between Genders and Between Non-contact ACL Injured and Non-injured Knees. National Athletic Trainers' Association National Symposium, Kansas City, MO; June, 1999. [Thematic Presentation]

Refereed International:

Keister K, Lyman K, **Gange K**, Hanson T. The effects of the space correction Kinesio Taping Method[®] on the patellofemoral joint measured by diagnostic ultrasound. Kinesio Taping Association International research Symposium, Tokyo, Japan; November, 2015. [Poster Presentation]

Lyman K, **Gange K**, Hanson T. The effects of Kinesio Taping[®] methods on subacromial space. Kinesio Taping Association International Research Symposium, Tokyo, Japan; November, 2015. [Poster Presentation]

Christensen B, Wilson S. **Gange K**, Todden C, Hatterman-Valenti H, Albrecht J. The benefits of stretching during immobilization. International Conference of Biomechanics in Sports Annual Meeting, Poitiers, France; June, 2015. [Oral Presentation]

Professional/Committee Activities:

Fall 2016-present Reviewer for Journal of Sports Rehabilitation

Spring 2014-present Reviewer for the Journal of Athletic Training

Spring, Summer 2014 Co-Chair of the Athletic Training Faculty Search Committee

Summer 2013 Moderator at the National Athletic Trainers' Association (NATA) for Therapeutic Modalities Presentation. June 28, 2013.

Fall 2012 Webinar in "Future Directions in Athletic Training" presented by the Executive Committee for Education Strategic Plan. September 12, 2012.

Fall 2012-present PhD Graduate Committee Member; Health, Nutrition, and Exercise Sciences Department, NDSU

Fall 2012-present Awards Committee; College of Human Development and Education, NDSU

Fall 2008-2009 & 2011, 2012 Athletic Training Faculty Search Committee Member

Fall 2008-present Commission on Accreditation of Athletic Training Education (CAATE) Site Visitor

Spring 2007 Reviewed cryotherapy chapter for Knight & Draper Modalities text

Spring 2007 Reviewed joint mobilizations text for Elsevier publishing company

Fall 2007-Dec 2009 North Dakota Athletic Trainers' Association representative for District V ATS Leadership Committee

Fall 2007-Spring 2008 Member of HNES Department Head Evaluation Committee

Aug. 2006-2012 HNES Department Assessment Committee Chair (2006-2011), Member (2011-2012), NDSU

Aug. 2005-2006 HNES Department Policies and Procedures Committee, NDSU

Aug. 2004-present Athletic Training Accreditation Committee, NDSU

Aug. 2004 – present Athletic Training Workgroup Member, NDSU

Mar. 2004-2006 Member of Student Appeals Committee, MSUM

Jan. 10, 2004 Examiner for the Practical portion of the ACES Workshop, Fargo, ND

Oct. 2003 Provided NCAA Drug Education to freshman and transfer student athletes, MSUM

May 2003-2005 Vice President of Minnesota Athletic Trainers' Association

April 2003-2006 Proctor for NATABOC written and written simulation examinations

Feb. 2003-2004 Faculty Advisor for MSUM Athletic Training Student Association (ATSA), MSUM

Jan. 2003; 2005; 2007; 2011 Attended Athletic Training Educators' Conference

Sept. 2002-2004 Member of Peer Review Committee of the College of Education and Human Services, MSUM

Sept. 2002-2004 Participated in Talk About Teaching Program, MSUM

Aug. 2002-2004 Member of Faculty Mentor program, MSUM

Oct. 2001 Department of Sports Medicine representative for USM Open House College Fair

Sept. 2000-2004 Member of Curriculum Committee for the College of Nursing and Health Professions

Aug. 2000-2002 Member of Recruitment and Retention Committee for the Department of Sports Medicine

Jan. 2000-2002 Member of Resource Committee for the College of Nursing and Health Professions

Oct. 2000 Organizational and Team Support Volunteer for the Maine State Quadriplegic Rugby, Bash and the Bay Regional Tournament

Fall 2000 Fitness testing for the Portland Pirates American Hockey League Team

Fall 1999-2002 Provided fitness testing for the general public

Aug. 1998-2002 Member of CAAHEP Accreditation Committee for the Department of Sports Medicine

Jan.-May 1999 Member of Department of Sports Medicine Scholarship Committee

Nov. 1998-2002 Member of Disordered Eating Committee at the University of Southern Maine

Nov. 1998-2002 Presenter at Springfield College Athletic Training Career Day

Aug. 1998-2001 Peer Advising Program Liaison for Department of Sports Medicine

Aug. 1998-2002 College of Nursing and Health Professions Newsletter Liaison for the Department of Sports Medicine

Grants/Funding:

External:

Spring 2017 Secured \$87,350 for 9 Graduate Assistant positions for the MS in Advanced AT program.

Spring 2016 Secured \$87,000 for 9 Graduate Assistant positions for the MS in Advanced AT program.

Spring 2015 Secured \$89,040 for 9 Graduate Assistant positions for the MS in Advanced AT program.

Spring 2014 Secured \$78,840 for 8 Graduate Assistant positions for the MS in Advanced AT program.

Dec. 2013 Assisted in setting up two Graduate Assistant positions with Sanford Health for the MS in Advanced Athletic Training program.

- The GA positions are physician extenders in the Sports Medicine Department working with physicians, Pas, and nurses to provide patient care. They are 12 month positions with a stipend of \$1000/month for a total of \$24,000 for both positions.

Internal:

Fall 2016 HDE Research Committee – Involving Undergraduates in Research. Funded \$1,000 to pay 2 undergraduate students to assist in, “The effects of the inhibition Kinesio Taping Method® on the subacromial space at 30, 60, 90, 120 degrees of glenohumeral abduction”.

May 2015 Robert and Patty Hendrickson Development Fund, HDE. Funded \$6,000 to attend the Combined and Advanced Musculoskeletal Ultrasound Course with Cadaver Lab on August 10-14, 2015.

Summer 2015 HDE Research Committee – Support for Research and Grant Writing. Funded \$3,000 for summer support to work on data collection and writing manuscripts.

Spring 2014 Human Development and Education (HDE) Support for Professional Development and Building Program Reputation and Image. Funded \$200 to purchase drinking tumblers with the AT logo for marketing the MS in Advanced AT program and as speaker gifts.

Fall 2014 Human Development and Education (HDE) Support to Build Research Capacity from the Dean’s Office. Funded \$375 to match HNES department funding of

\$375 to pay subjects participating in the research study: therapeutic ultrasound at 3 MHz, 1.2 W/cm².

- Fall 2013** Human Development and Education (HDE) Support to Build Research Capacity from the Dean's Office. Funded \$500 to pay subjects participating in the research study: therapeutic ultrasound at 3 MHz, 1.0 W/cm².
- June 2013** Human Development and Education (HDE) Support for Professional Development and Building Program Reputation and Image. Funded \$500 to assist with costs to attend the caATe site visitor training and National Athletic Trainers' National Symposium, June 2013.
- Fall 2011** Human Development and Education (HDE) Support to Build Research Capacity. Funded \$500 to assist with costs to bring Dr. Cindy Trowbridge to NDSU to present on latest literature of heat and cold modalities and instruct MS students and faculty on inserting thermocouples into human tissue.
- Summer 2011** Human Development and Education (HDE) funding to support research/teaching laboratories. Grant to purchase a diagnostic ultrasound unit. Funded \$16,088 to be matched by HNES Department.
- Spring 2011** NDSU FORWARD Leap Lab Renovation Grant. The money would be utilized to provide infrastructure to the Athletic Training Research Center. Grant amount = \$20,000 (Not funded).
- Spring 2011** Miller, KC, **Gange, KN.** (2011). Grant to purchase a diagnostic ultrasound unit. NDSU Student Government Capital Projects. Grant amount = \$20,675.00 (Not funded)
- Spring 2010** Robert and Patty Hendrickson Faculty Development Fund for the College of Human Development and Education at North Dakota State University. Funded \$3,335 to attend "Introduction to Musculoskeletal Diagnostic Ultrasound" Conference.
- Spring 2007** NDSU Development Foundation Libraries Endowment. Funded \$412 for purchasing Athletic Training related textbooks for the library.
- Spring 2007** NDSU Development Foundation's Board of Trustees Endowment. Funded \$1000 for purchasing three handheld Personal Digital Assistants (PDAs) as a pilot study for injury tracking programs, in addition to Athletic Training program evaluation forms.
- Spring 1999** University of Southern Maine, Faculty Technology Grant. Funded \$300 for Rehabilitation Software.