

Curriculum Vitae

Christine E. Kasper, PhD, RN, FAAN, FACS
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PERSONAL DATA

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<u>Institution and Location</u>	<u>Program/ Degree</u>	<u>Major</u>
National Institutes of Health & Georgetown University	Summer Genetics Institute, Fellow	Genetics
Harvard University, School of Higher Education Cambridge, MA	Certificate	Higher Education Management
Rush University Department of Physiology/ Biophysics, Chicago, IL	Post-Doctoral Fellow	Physiology/ Biophysics
University of Michigan Ann Arbor, MI	Ph.D.	Nursing
Rush University College of Nursing Chicago, IL	M.S.	Nursing
Harlaxton College, Grantham & District Hospital, Lincolnshire, UK	Obstetrical Nursing	Nursing
University of Evansville, Evansville, IN	B.S.	Nursing

LICENSURE:

<u>Inclusive Years</u>	<u>Licensure</u>	<u>Number</u>
2019-present	New Mexico	54752
1997-2019	Maryland	R134496
1988-1998	California	459854
1984-1989	Wisconsin	89510
1977-1989	Michigan	117283
1975-1988	Illinois	041-162948

<u>Year</u>	<u>Certifications</u>
1995	Smith College, Molecular Biology/New England Biomedical Labs

1999	Life Technologies: Quantitative PCR, Rockville, MD
2000	Life Technologies: Cloning and Protein Expression, Rockville, MD
2000	Life Technologies: Recombinant DNA Technique, Rockville, MD
2002	WIPO (World Intellectual Property Organization) Technology Transfer
2020	Wharton, Finance, AACN
2022	Wharton, Dean's Higher Ed, AACN

PROFESSIONAL EXPERIENCE

<u>Year</u>	<u>Title</u>	<u>Institution</u>
2023-Present	Dean and Professor	University of Pittsburgh, School of Nursing
2018- 2022	Dean and Professor, Crenshaw Endowed Chair of Research	University of New Mexico, College of Nursing
2007- 2011	Chair/Director, PhD Dept./Program	USU, Daniel K. Inouye Grad. Sch. of Nursing
2005- 2007	Associate Director, PhD Program & Deputy Associate Dean of Academic Affairs	USU, Daniel K. Inouye Grad. Sch. of Nursing
2003-2018	Sr. Nurse Executive & Sr. Research Scientist	Dept. of Veterans Affairs, Office of Nursing Services, Washington DC
2003-201	Professor	Uniformed Services University, Bethesda, MD
2001- 2003	Visiting Scientist	NIH, National Institute on Aging
2001- 2011	Member, Governor's Committee on Spinal Cord Injury Research	State of Maryland, Governor
2000-2004	Adjunct Faculty	Winston-Salem State University (HBCU), Winston-Salem, NC
1998-2001	Director, Doctoral Programs (Pre-doctoral and Post-doctoral)	Johns Hopkins University
	Graduate Board, Graduate School Governing Committee, JHU	School of Nursing, Baltimore, MD
		Johns Hopkins University, Baltimore, MD
1997-2003	M. Adelaide Nutting Endowed Research Chair	Johns Hopkins University School of Nursing, Baltimore, MD
1996-1997	Associate Professor (Tenured)	UCLA, School of Nursing, Los Angeles, CA
1991- 1997	Member, Jonsson Comprehensive Cancer Center, Cell Biology Division	UCLA, School of Medicine, Los Angeles, CA
1989-1997	Member, Jerry Lewis Neuromuscular Research Center	UCLA, School of Medicine, Los Angeles, CA
1988-1996	Assistant Professor	UCLA, School of Nursing, Los Angeles, CA
1984-1988	Assistant Professor	University of Wisconsin-Madison School of Nursing, Madison, WI

PROFESSIONAL EXPERIENCE

<u>Year</u>	<u>Title</u>	<u>Institution</u>
1982-1984	Post-doctoral Fellow, Dept. Physiology & Biophysics	Rush Medical College, Chicago, IL

Editorship of Journal(s)

<u>Years</u>	<u>Name of Journal</u>
1997 - 2002	Founding Editor, <u>Biologic Research in Nursing</u> , Sage Publications: Thousand Oaks: CA.
2008- 2021	Editor, <u>Annual Review of Nursing Research</u> , Springer Publications, NY, NY

HONORS AND AWARDS

<u>Dates</u>	<u>Award</u>
2015	International Nurse Researcher Hall of Fame, Sigma Theta Tau International Congress, Puerto Rico, July 25. Rush-Presbyterian-St. Luke's Nurses Alumni Association Distinguished Alumni Award, Chicago.
2014	Distinguished Lecturer, University of South Florida, Tampa, FL
2013	Beverly H. Bowns Distinguished Visiting Professor, University of Tennessee Health Sciences Center, Memphis, TN
2011	USU, University Medal for Outstanding Service
2011, 2012	USU, Outstanding Doctoral Faculty Award
2006, 2007	USU, Faye G. Abdellah Senior Researcher Award
2004	USU, Teaching Award, PhD Program
2000	Federal University of Pernambuco, Recife, Brazil. University Research Medal.
2000	NIH: National Library of Medicine. Outstanding new research journal, (Biologic Research for Nursing)
1999	NIH: Office of the Director, Rat Model Priority Advisory Panel to Dr. Harold Varmus
1997-2001	NIH: CSR Respiratory and Applied Physiology (RAP), Study Section, chartered member.
1995	Elected Fellow of the American College of Sports Medicine (FACSM).
1995-1997	NIH: CSR Respiratory and Applied Physiology (RAP) Study Section, ad-hoc member.
1994	Elected to Fellowship in the American Academy of Nursing (FAAN).
1993	Alpha Tau Delta, National Nursing Society, Nat'l Faculty Advisor of the Year.
1991	UCLA Faculty Career Development Award
1980	American Nurses Foundation Scholar

HONORS AND AWARDS

<u>Dates</u>	<u>Award</u>
1980	Rackham Graduate School, Univ. of Michigan, Dissertation/Thesis Award for Graduate Research
1978-81	National Research Service Award, Department of Health and Human Services
1977	Sigma Theta Tau, National Honor Society

RESEARCH/SCHOLARSHIP**Investigations Funded**

<u>Year</u>	<u>Role</u>	<u>% Effort</u>	<u>PI</u>	<u>Title</u>	<u>Funding Agency</u>	<u>Amount</u>
1978-1981	PI	10 0%	C. E. Kasper	National Research Service Award, Pre-doctoral Fellowship	US Dept. Health & Human Services	
1980-1982	PI	20%	C. E. Kasper	Adaptation of Skeletal Muscle to Prolonged Immobility	American Nurses' Foundation	\$2,500
1984	PI	20%	C. E. Kasper	Recovery from Skeletal Muscle Atrophy: Injury Potential	Chicago Community Trust Fund	\$3,000
1984-1985	PI		C. E. Kasper	Recovery from Skeletal Muscle Atrophy Injury Potential	Wisconsin Alumni Research Foundation	\$2,000
1985-1986	PI		C. E. Kasper	Recovery from Skeletal Muscle Atrophy	Wisconsin Alumni Research Foundation	\$15,500
1985-1986	PI		C. E. Kasper	Molecular Basis of Tension Development in Muscle Atrophy	University of Wisconsin, School of Nursing	\$4,500
1986-1987	PI		C. E. Kasper	Molecular Basis of Tension Development in Muscular Atrophy	University of Wisconsin, Grad. School	\$12,552
1986-1987	PI		C. E. Kasper	The Effects of Reduced Activity on Skeletal Muscle in Aged Rats	University of Wisconsin-Madison	\$2,548

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<u>Year</u>	<u>Role</u>	<u>% Eff ort</u>	<u>PI</u>	<u>Title</u>	<u>Funding Agency</u>	<u>Amount</u>
1986- 1987	PI		C. E. Kasper	Skeletal Muscle Adaptation to Decreased Activity & Exercise During Recovery	Wisconsin Alumni Research Foundation (WARF)	\$4,378
1988- 1992	PI		C. E. Kasper	Molecular Basis of Tension Development during Recovery from Atrophy.	NASA: NAG-9-323 and	\$220,305
1989-92	PI		C. E. Kasper	Investigation of the Effects of Microgravity on Titin and Myonuclei. PARE-01 Project, NASA <i>Shuttle Flight STS-48, Launch Sept. 12, 1991.</i>	Sub-grant to NAG-9-323	
1988- 1994	PI		C. E. Kasper	Atrophy of Skeletal Muscle Change in Tension Development.	NIH: R29 NR02204-01	\$350,000
1988- 1989	PI		C. E. Kasper	Adaptation of Atrophied Skeletal Muscle to Exercise during Recovery: Time Sequence.”	UCLA, Faculty Senate	\$2,500
1990- 1991	PI		C. E. Kasper	Computer Hardware & Assisted Instruction.	Helene Fuld Health Trust Grant.	\$18,628
1991- 1994	Co-PI		S. M. Ludington	Skin to skin contact for pre-term infants & their mothers.	NINR	\$994,338
1992- 1997	Co-PI	10%	K. Dracup, G. Padilla	Nursing Research in Health Quality of Life.	NIH: NINR	\$506,838
1992- 1993	PI	10%	C. E. Kasper	Physiologic & Physiologic Correlates of Functional Status during Adjuvant Chemotherapy for Breast Cancer: A Pilot Study.	UCLA, Academic Senate Award	\$3,474

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<u>Year</u>	<u>Role</u>	<u>% Effort</u>	<u>PI</u>	<u>Title</u>	<u>Funding Agency</u>	<u>Amount</u>
1993-2000	PI	40%	C. E. Kasper	Control of Muscle Fiber Size in Adaptation	NIH: R01 NR 02922	\$1,352,000
1994-1998	Sponsor		J. Halle	Prevention of Hypoxic Brain Damage in the Newborn	NIH: NINR Pre-doctoral Award	\$88,000
1995-1998	Co- I		S. Ludington	Pulmonary Improvement for Pre-term Infants (The James Shannon Director's Award)	NIH: R55 NR/OD02251-04	\$100,000
1998-2001	Sponsor		T. Andrade	Expression in Fetal Hemoglobin Adult HbF Levels	NIH: NRSA (Pre-doctoral)	\$72,000
1998-1999	Consultant		L. Talbot	Effects of Electrical Muscle Stimulation on Quadriceps Muscle Strength in Women with Osteoarthritis	Program in Gerontology, JHU	\$40,000
1999-2003	Co-I	10%	F. Gaston-Johansson	Global Health Promotion Research Training Program	NIH: Fogarty T37-TW00108	\$683,000
2001-2005	Co-I	5%	V. Mock	Mitigating Cancer Treatment- Related Fatigue by Exercise	NIH: NR04991	\$1,155,680
2000-2004	Co-PI	10%	S. Ling/C. Kasper	Weakness from Inflammation: A Basis of Disability from Knee Osteoarthritis	NIH: Nat'l Institute of Aging	Intramural
2000-2005	Co-I	6%	Flack, S. Winston-Salem State University	Developing a Training Program in Breast Cancer Research: Disease & Disparity of Morbidity & Mortality in Underserved Minority Women	U.S. Dept. of Defense (DOD)	\$998,658
2001-2003	PI	25%	Page/Kasper	The Impact of Chronic Neuropathic Pain on Muscle Function & Metastatic Susceptibility	Blaustein Cancer Research Grant	\$40,000

RESEARCH/SCHOLARSHIP**Investigations Funded**

<u>Year</u>	<u>Role</u>	<u>% Effort</u>	<u>PI</u>	<u>Title</u>	<u>Funding Agency</u>	<u>Amount</u>
2003-2004	Co-PI		S. Ling / C. Kasper	Arthritis-Induced Muscle Dysfunction	NIH: Nat'l Inst. of Aging	Intramural
2005-2006	Co-PI	5%	R. Ricciardi	Impact of Body Armor on Physical Work Performance	TriService Nursing Research	\$40,000
2006-2007	Co-I	15%	C. Engstrom	Hot Flashes in Prostate Cancer Patients	VA Nursing Pilot Grant	\$10,000
2007-2009	Co-I	10%	M. Kane	Gene Expression Analysis and Genotoxic Potential of Weapons Grade Embedded Tungsten Alloys in Male F344 Rats	USU GSN Intramural	\$5,000
2008-2015	PI	35%	C. E. Kasper	Recovery from Mild and Severe Traumatic Brain Injury	VA Merit Award	\$736,100
2009-2010	Co-I	5%	J. F. Kalinich	Effect of Militarily-Relevant Metals on Muscle Wound Repair	US Army Medical Rsch. & Materiel Command	\$166,525
2010-2012	Co-I	10%	S. Perry	Catecholamine Induced RyR1 Ca ²⁺ Release in Malignant Hyperthermia Sensitive Human B-Lymphocytes	American Asso. of Nurse Anesthetists Foundation	\$15,295
2011-2012	PI	15%	C.E. Kasper	Pilot Award: PET- CT Imaging of tissue alterations of embedded metal fragments	VA Embedded Metals Center	\$26,000
2012-2013	PI		C.E. Kasper	The Effect of Military-Relevant Metals on Muscle Cell Differentiation and Repair	VA Office of Nursing Services	\$69,000
2013	Co-I	5%	G. Anderson	Genomic Nursing Competency Assessment Tool	VA Office of Nursing Services	\$54,633

2013 - 15	Co-I	10%	L. Michaelson	Pilot Study of Fatigability, and Eccentric Injury Comparison between Skeletal Muscle of Heavy Metal (W, Ni, CO) Embedded F344 Rats and Non-Heavy Metal Imbedded Rats.	VA Office of Nursing Services	\$75,000
2014 - 15	Co-I	5%	L. Michaelson	CNG Channel Expression and cAMP Levels in Human B-Cells: A Pilot Study	VA Office of Nursing Services	\$72,000
2016-19	Co-I	5%	Kalinich	The Role of "Desert-Dust" Metals in the Pathobiology of Gulf War Illness	CDMRP	\$500,000
2016-19	Co-I	10%	M. McDiarmid	Assessing the Health Effects of Blast Injuries and Embedded Metal Fragments	PR151808, CDMRP PRMRP Focused Program	\$8,000,000
2019-2020	PI	5%	Kasper, CE	AACN-All of Us	NIH	\$15,000
2020-2022	PI	5%	Kasper, CE	De-identified Health Facts for Study of Health Care Transition	NIH NIGMS/CTSA	\$25,000

Investigations Submitted

<u>Year</u>	<u>Role</u>	<u>% Effort</u>	<u>PI</u>	<u>Title</u>	<u>Funding Agency</u>	<u>Amount</u>
2022	Co-I	5	J. Liu	New Mexico Integrative Science Program Incorporating Research in Environmental Sciences (NM-INSPIRES)	NIEHS P30	\$1,300,500

EDITORIAL ACTIVITIES

Refereed articles:

Chen, F., J. Lutz, and C.E. Kasper. Hypokinesia-induced negative calcium balance reversed by weight-bearing exercise. Aviation, Space and Environmental Medicine, 58:308-314, 1987.

- Reiser, P.J., **C.E. Kasper**, and R.L. Moss. Myosin subunits and contractile properties of single fibers from normal and hypokinetic adult rat fast and slow muscles. J. Appl. Physiol. 63(6): 2295-2300, 1987.
- Reiser, P.J., **C.E. Kasper**, M.L. Greaser, and M.L. Moss. Functional significance of myosin transitions in single fibers of developing soleus muscle. Am. J. Physiol. 254 (Cell Physiol. 23): C605-C613, 1988.
- Kasper, C.E.**, D. Huetteman, and S. K. Donaldson. Fixation and EM Visualization of single peeled mammalian skeletal muscle fibers. J. of Electron Microscopy Technique, June, 12(2): 177-178, 1989.
- Kasper, C.E.**, T.P. White, and L.C. Maxwell. Running during recovery from hypodynamia induces transient muscle injury. J. Appl. Physiol. 68(2):533-539, 1990.
- Maloni, J.A., and **Kasper, C. E.** Physical and psychosocial effects of antepartum hospital bedrest: A review of the literature. Image: Journal of Nursing Scholarship, 23(3):187-192,1991.
- McNulty, A., Otto, A., **Kasper, C. E.** and Thomas, D.P. Effect of recovery mode following hind-limb suspension on soleus muscle composition in the rat. Int. J. Sports Med., 13:6-14, 1992.
- St. Pierre, B. **Kasper, C. E.**, and Lindsey, A. M. Fatigue Mechanisms in Cancer Patients: TNF and Exercise Effects on Skeletal Muscle Factors. Oncology Nursing Forum, 19(3):419-425, 1992.
- Kasper, C.E.**, McNulty, A. L., Otto, A. J. and Thomas, D. P. Alterations in Skeletal Muscle Related to Impaired Physical Mobility: An Empirical Model. Research in Nursing and Health, 16: 265-273, 1993.
- Kasper, C. E.** "A day in the life of a nurse researcher," The American Nurse, p. 11, January, 1993.
- Tseng, B., **Kasper, C. E.**, Edgerton, V.R. Shape, density, and spatial distribution of myonuclei in rat slow and fast muscle fiber segments. Cell and Tissue Rsch., 275:39-49, 1994.
- Miller, J., Halle, J., **Kasper, C. E.**, and Sampselle, C. Review of Muscle Physiology with Application to Pelvic Muscle Exercise. Urologic Nursing, 14:92-97, 1994.
- Kasper, C.E.**, St. Pierre, B., Fuchs, A. and Garfinkel, A. Spatial Patterns of Muscle Fiber Types in Atrophied Skeletal Muscle. Western Journal of Nursing Research, 17(1):49-62, 1995.
- Boyington, A. R., Dougherty, M. C. and **Kasper, C. E.** Pelvic Muscle Profile Types in Response to Pelvic Muscle Exercise. International Urogynecology Journal 6(2): 68-72, 1995.
- Kasper, C. E.** Sarcolemmal Disruption in Reloaded Atrophic Skeletal Muscle. J. Appl. Physiol. 79(2): 607-614, 1995.
- Kasper, C. E.** Going Through the Motions: The Ethics of Process. J Cardiovascular Nrsg. 9(3):62-67, 1995.
- Ludington-Hoe, S. and **Kasper, C.E.** Physiologic Monitoring of Premature Infants. J. Nrsg. Measurement, 3(1):13-29, 1995.
- Kasper, C. E.** Personal Digital Assistants and Clinical Practice. Western Journal of Nursing Research, 18 (6): 717-720, 1996.
- Kasper, C. E.** White, T. P. and Maxwell, L.C. Alterations in Skeletal Muscle Related to Short-term Impaired Physical Mobility. Research in Nursing and Health, 19(2): 133-142, 1996.
- Kasper, C. E.** and Xun, L. Cytoplasm-to-Myonucleus Ratios in Plantaris and Soleus Muscle Fibers Following Hindlimb Suspension. Journal Muscle Rsch and Cell Motility, 17:603-610, 1996.
- Kasper, C. E.** and Xun, L. Adaptation of Myonuclei to Short Term Microgravity. Journal Muscle Rsch and Cell Motility, 17:595-602, 1996.
- Halle, J. N., **Kasper, C. E.**, Gidday, J.M., and Koos, B. J. Enhancing adenosine A receptor binding reduces hypoxic-ischemic brain1 injury in newborn rats. Brain Research, 759: 309-312, 1997.

- Kasper, C.E.** Recovery of Plantaris Muscle from Impaired Physical Mobility. Biological Research for Nursing, 1(1): 3-10, 1999.
- Kasper, C. E.** Spatial Patterns of Atrophied Muscle Fibers During Exercised Recovery, Biological Research for Nursing, 1(1): 36-46, 1999.
- Kasper, C. E.,** Sarna, L. P. Influence of adjuvant chemotherapy on skeletal muscle and fatigue in women with breast cancer. Biological Research for Nursing, 2(2):133-140, 2000.
- Kasper, C.E &** Xun, L. Expression of Titin in Skeletal Muscle Varies with Hindlimb Unloading. Biological Research for Nursing, 2(2): 107-116, 2000.
- Kasper, C.E.** Functional Loss: Aging Muscle during Rehabilitation. Orthopedic Physical Therapy Clinics of North America, June: 16-33, 2001.
- Kasper, C.E.,** Talbot, L. & Gaines, J. Skeletal Muscle Damage and Recovery. AACN Clinical Issues: Advanced Practice in Acute and Critical Care, May 2002.
- Kasper, C.E.,** Talbot, L. & Gaines, J. *Issue Editors.* AACN Clinical Issues: Advanced Practice in Acute and Critical. May 2002.
- Sunnerhagen KS, Brown B, & **Kasper C.E.** Sitting up and transferring to a chair: two functional tests for patients with stroke. J Rehabil Med., 2003 Jul; 35(4): 180-3.
- Nelson, J, Bivens, A., Shinn, A, Wanzer, L., **Kasper, C.E.,** McIlwain, K, & Burton J., Operating Room Telephone Microbial Flora. JORN March 2006, 83(3): 607-626.
- Caroway, I.I., Sunnerhagen, K.S., **Kasper, C.E.,** & Svantesson, U. Passive Stiffness of the Plantar Flexors in Relation to Age and Functional Performance. Isokinetics Exer Sci., 14:25-31, 2006.
- Engstrom, C. A. and **Kasper, C.E.,** Physiology and Endocrinology of Hot Flashes in Prostate Cancer. J. Men's Health, 1(1): 8-17, 2007.
- Kasper, C.E.** Genomic and Proteomic Methodologies for Vulnerable Populations Research. Ann. Rev. Nursing Rsch., 7:191-218, 2007.
- Lavin, R., Dreyfus, M., Slepski, L., and **Kasper, C.E.** Said Another Way: Subject Matter Experts: Facts and Fiction. Nursing Forum, 42(4):189-195, 2007.
- Kane MA, **Kasper C.E.,** Kalinich JF. The use of established skeletal muscle cell lines to assess potential toxicity from embedded metal fragments. Toxicol. In Vitro, Mar;23(2):356-9, 2009 Epub 2008 Dec 16.
- Kane, M.A., **Kasper, C.E.,** and Kalinich, J.F. Protocol for the Assessment of Potential Health Effects from Embedded Metal Fragments. Military Medicine, 174(3): 265-269, 2009.
- Kovesdi, E., Gyorgy, A., Kwon, S.-K., Wingo, D., **Kasper, C. E.,** and Agoston, D. The effect of enriched environment on the outcome of traumatic brain injury: A behavioral, proteomic, and histological study. Frontiers in Neuroscience, 5(42), 2011.
- Kovesdi, E., Kamnaksh, A., Wingo, D, Ahmed, F., Grunberg, N.E., Long, J. B., **Kasper, C.E.,** and Agoston, D. Acute minocycline treatment mitigates the symptoms of mild blast-induced traumatic brain injury. Frontiers in Neurology, 3(111), 2012.
- Hood, MN, Song, T.; Bedocs, P., Capacchione, J. F., Ho, V. B., **Kasper, C.E,** and Haigney, M.C., Multi-Acquisition T1 Mapping MRI During Tidal Respiration for Quantification of Myocardial T1 in Swine with Heart Failure. Am. J. Roentgenology, 201:W563-W570, 2013.
- Cowan, L., Fasoli, D.R., Hagle, M.E., **Kasper, C.E.,** Eagerton, G., Chappell, J., Gentile, D.L., Gordon, S.J., King, V., Madaris, L.L., Mancuso, J.M., Smith, K., and Alt-White, A. Creating an Infrastructure to Advance Nursing Practice and Care for Veterans. Nurse Leader, 11(5), 33-36, 2013.

Kalinich, J.F. and **Kasper, C.E.** Do metals that translocate to the brain exacerbate traumatic brain injury? Medical Hypotheses, 82(5), 558-562, 2014.

Bardack, S., Dalgard, C. L., Kalinich, J.F. and **Kasper, C. E.**, Genotoxic Changes to Rodent Cells Exposed In Vitro to Tungsten, Nickel, Cobalt and Iron, Int. J. Environ. Res. Public Health, 11(3), 2922-2940, 2014.

Shaa, K., Anderson, G., Alt-White, A.C., **Kasper, C.E.**, and Boyd, A.M. Genomics education for Veterans Affairs nurses, Letter to the editor, Genetics in Medicine, 16(12), 984-985, 2014.

DeLeon, P.H., Sells, J.R., Cassidy, O., Waters, A.J., and **Kasper, C.E.**, Health Policy: Timely and Interdisciplinary, Training and Education in Professional Psychology, December 14, 2014.

Anderson, G., Alt-White, A.C., Schaa, K., Boyd, A.M., and **Kasper, C.E.**, Genomics for Nursing Education and Practice: Measuring Competency, Worldviews on Evidence-Based Nursing, 12(3):165-175, 2015. DOI:10.1111/wvn.12096.

Ketz, A.K., Byrnes, K., Grunberg, N., **Kasper, C. E.**, Osborne, L. Pryor, B., Tosini, N., Wu, X., and Anders, J. Characterization of Macrophage/Microglial Activation and Effect of Photobiomodulation in the Spared Nerve Injury Model of Neuropathic Pain. Pain Medicine, 2016; 0: 1–15 doi: 10.1093/pm/pnw144

Kalinich, J.F., and **Kasper, C.E** Commentary: Are Internalized Metals a Long-Term Health Hazard for Military Veterans? Public Health Reports, 131(6s), 2016.

Boyd, A.M., Alt-White, A., Anderson, G, and **Kasper, C.E.** Genomic Competencies for Nursing Practice: Implications for Nursing Leadership, J Nursing Administration, 47(1):62-67), 2017, doi: 10.1097/NNA.0000000000000438.

Shinn, A., Kalinich, J.F., **Kasper, C.E.**, Squibb, K.S., and Johantgen, M. Imaging Techniques for the Assessment of Adverse Tissue Effects from Embedded Metal Fragments, Progress in Medical Geology, 260-284, 2017.

Perry, S., Muldoon, S., Michaelson, L., Bungler, R., and **Kasper, C.E.** The Effect of Norepinephrine on Intracellular Ca²⁺ Levels in MHS B Cells: Pilot Study in the Search for a New Diagnostic Test for MH. AANA Journal, 86(5):983-998, 2018.

Stucky CH, De Jong MJ, Kabo FW, Kasper CE. A Network Analysis of Perioperative Communication Patterns. AORN J. 2020;111(6):627-641. doi:10.1002/aorn.13044

Kasper, C.E. Exacerbation of Traumatic Injury by Metals. British Medical Journal (BMJ), (In Press)

Editorials

Kasper, C.E. VA Nursing in the Genomic Era, NOVA Newsletter, Fall 2007.

Kasper, C.E. Diversifying Nursing and Genetic Evolution, Letter to Editor, Nursing Outlook, Jan-Feb. 2003.

Kasper, C.E. May extinction not become the future of our profession. Nursing Outlook. 2002 Nov-Dec; 50(6):268-9.

Perry, P. & **Kasper, C.E.** Establishing Biological Nursing Science, Biologic Research for Nursing, 2002.

Perry, P. & **Kasper, C.E.** Challenges Facing Research Scientists, Biologic Research for Nursing, 2(1): 3-4, 2000.

Kasper, C.E. & Perry, P. Summer Camp for Scientists, Biologic Research for Nursing, 2 (2): 83, 2000.

Kasper, C.E. & Perry, P. Structure Recapitulates Function, Biologic Research for Nursing, 1(4): 251-252, 2000.

Perry, P. & **Kasper, C.E.** A New Horizon for Biologic Research in Nursing, Biologic Research for Nursing, 1(1): 1-2, 1999.

Perry, P. & **Kasper, C.E.** On Genes and Genomes Mice and Humans, Biologic Research for Nursing, 1(2): 83-84, 1999.

Book/Book Chapters

Kasper, C.E. Molecular basis of tension development in muscular atrophy. In “1988-89 NASA Space/Gravitational Biology Accomplishments” NASA Technical Memorandum 4160, January, 1990, pp.134-13.

Kasper, C.E. “Antecedent Condition: Impaired Physical Mobility (Disuse Syndrome)”. In Altered Functioning: Impairment and Disability. Ed. B. L. Metzger. Monograph Series 90, Sigma Theta Tau International: April, 1991, pp. 20-38.

Kasper, C.E. Molecular basis of tension development in muscular atrophy. In “1989-90 NASA Space/Gravitational Biology Accomplishments” NASA Technical Memorandum 4258, February, 1991, pp. 128-131.

Kasper, C.E. “Skeletal Muscle Atrophy,” in Pathophysiological Phenomena in Nursing: Human Responses to Illness. Eds. Carrieri, V.K., A.M. Lindsey, and C.M. West. 2nd Ed. W.B. Saunders Co. Philadelphia, 1993.

Omery, A., **Kasper, C.E.**, & Page, G. (Eds, 1994). “In Search of Science: Nursing’s’ Quest for its’ Scientific Identity.” Thousand Oaks, California, 1994.

Kasper, C. E. (1994). “Pragmatism: The Problem with the Bottom Line,” in “In Search of Science: Nursing’s’ Quest for its’ Scientific Identity”, Eds. Omery, A., **Kasper, C.E.**, and Page, G. Sage: Thousand Oaks, California, 1994.

Kasper, C.E. (1994). Molecular basis of tension development in muscular atrophy. In “1992-93 NASA Space/Gravitational Biology Accomplishments” NASA Technical Memorandum 4258, pp. 160-163, February, 1994.

Kasper, C.E. Emerging Research Issues in Mobility, The Nursing Profession: Tomorrow’s Vision, Chaska, N. Ed., Sage Publications, CA, 2000.

Kasper, C.E. Integrating Basic Genetic Technologies. In “Nursing and Genetics - Leadership for Global Health,” Ed. S. Feetham. Geneva: International Council of Nurses, 2003.

Kasper, C.E. Skeletal Muscle Atrophy. Pathophysiological Phenomena in Nursing: Human Responses to Illness. Eds. Carrieri, V.K., Lindsey, A.M., and West, C.M. 3rd Ed., W.B. Saunders Co., Philadelphia, 2003.

Kasper, C.E. Annual Review of Nursing Research, Series Editor, “Advancing Nursing Science in Tobacco Control,” Vol 27, 2009, Springer, NY

Kasper, C.E. Preface. Annual Review of Nursing Research, Issue Ed. Sarna, L.P., Series Ed. **Kasper, C.E.**, “Advancing Nursing Science in Tobacco Control,” Vol 27, 2009, Springer, NY.

Kasper, C.E. Annual Review of Nursing Research, Series Editor, “Advancing Nursing Science in Work Force Research,” Vol 28, 2010, Springer, NY.

- Kasper, C.E.** Preface. Annual Review of Nursing Research, Series Ed. **Kasper, C.E.**, Advancing Nursing Science in Work Force Research,” Vol 28, 2010, Springer, NY.
- Kasper, C.E.** Preface. Annual Review of Nursing Research, Series Ed. **Kasper, C.E.**, Advancing Nursing Science in Genetics Research,” Vol 29, 2011, Springer, NY.
- Kasper, C.E.** Skeletal Muscle and Genetics. Chapter 10. Annual Review of Nursing Research, Issue Ed. Pepper, G., Series Ed. **Kasper, C.E.**, Advancing Nursing Science in Genetics,” Vol 29, 2011, Springer, NY.
- Kasper, C. E.** Preface. Annual Review of Nursing Research, Issue Ed., Couig, M.P. & Kelley, P.W. Series Ed. **Kasper, C.E.**, Advancing Nursing Science in Disaster and Humanitarian Research,” Vol 30, 2012, Springer, NY.
- Kasper, C.E.** Animal Models of Exercise and Obesity, Chapter 1. Annual Review of Nursing Research, Issue Ed., Smith, B.A., Series Ed. **Kasper, C.E.**, “Nursing Research in Exercise and Obesity,” Vol 31, 2013, Springer, NY.
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- Kasper, C.E.** Preface. Annual Review of Nursing Research, Series Ed. **Kasper, C.E.**, “Military Innovation in War,” Vol 32, 2014, Springer, NY.
- Kasper, C.E.**, Traumatic Brain Injury in Military Populations, Annual Review of Nursing Research, Issue Ed., Conley, Y., Series Ed. **Kasper, C.E.**, “Traumatic Brain Injury,” Vol 33, 2014, Springer, NY.
- Kasper, C.E.** Preface. Annual Review of Nursing Research, Series Ed. **Kasper, C.E.**, “Traumatic Brain Injury,” Vol 33, 2015, Springer, NY.
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- Schneidereith, T. and **Kasper, C. E.** “Chapter 1. Genomics in Health Care.” In **Kasper, C.E.**, Schneidereith, T., and Lashley, F. Lashley’s Essentials of Clinical Genetics, 2nd Ed. NY: Springer Publications, (2015).
- Kasper, C.E.** “Chapter 12. Genetic Elements in Behavioral Disorders.” In **Kasper, C.E.**, Schneidereith, T., and Lashley, F. Lashley’s Essentials of Clinical Genetics, 2nd Ed. NY: Springer Publications, (2015).
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- Kasper, C.E.** Series Editor Annual Review of Nursing Research, “Ethics.” Vol 34, 2016, Springer, NY.
- Kasper, C.E.** Series Editor Annual Review of Nursing Research, “Anesthesia and Pain Management.” Vol 35, 2017, Springer, NY.
- Kasper, C.E.** Preface. Annual Review of Nursing Research, Series Ed. **Kasper, C.E.**, “Anesthesia and Pain Management.” Vol 35, 2017, Springer, NY.
- Kasper, C.E.** Series Editor Annual Review of Nursing Research, “Policy in Health Care.” Vol 36, 2018, Springer, NY.
- Kasper, C.E.** Series Editor Annual Review of Nursing Research, “Transcultural Nursing Research.” Vol 37, 2019, Springer, NY.
- Kasper, C.E.** Series Editor Annual Review of Nursing Research , “Nursing Perspectives on Environmental Health.”, Vol 38, 2020. DOI: 10.1891/9780826143365.
- Kasper, C.E.** Series Editor Annual Review of Nursing Research , “Simulation Studies.”, Vol 39, 2021.

Abstracts

- Kasper, C.E.**, White, T.P., and Maxwell, L.C. Adaptation of rat skeletal muscle to hypokinesia. The Physiologist, 25(4):260, 1982.
- Kasper, C.E.**, White, T.P., and Maxwell, L.C. Influence of exercise on the recovery of skeletal muscle from hypokinesia. Fed. Proc., 42(4):994, 1983.
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- Kasper, C. E.** Exercise-induced degeneration of skeletal muscle following inactivity. Proceedings of Midwest Nursing Research Society Conference, April 18, 1988.
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- Kasper, C. E.** Impact of physiological nursing research on direct patient care. Communicating Nursing Research, 23:237, 1990.
- Kasper, C.E.**, St. Pierre, B.A., Page, G.G., Garfinkel, A., and Woo, M. Spatial analysis of fiber type distributions in rat soleus muscle. ASGSB Bulletin, 3(1):119, 1990.
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- Tseng, B.S., **Kasper, C.E.**, and Edgerton, V.R. Spatial distribution and shape of myonuclei in isolated rat skeletal muscle fibers. Med Sci Sports Exercise, 23(4 Suppl.):S57, 1991.
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- Kasper, C.E.** and Xun, L. Cytoplasm-To-Myonucleus Ratios In Atrophic Skeletal Muscle. Med Sci Sport & Exercise, 27(5):S121, 1995.
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- Media**
- Kasper, C.E.** Injuries and the weekend athlete. Johns Hopkins/InteliHealth News Commentary, PointCast, beginning February 12, 1998.
- Kasper, C.E.** CBS TV News Segment "Living with Hope" following the television series, Chicago Hope. Discussion re astronaut John Glenn regarding aging and Muscle Atrophy. October 7, 1998.
- Kasper, C.E.** NM PBS, Report from Santa Fe, "2020 GO Bond for Higher Education." Segment discussing state funding needs to construct new UNM CON building.

Consultant to ABC TV Newscaster, Nancy Fleischer - Skeletal Muscle Research

Research Review Panels

2020- 2023	WIN Research Committee
2016-2019	VA Health Services Research & Development, Study Section Chair
2014	Institute of Medicine (IOM), external reviewer, NASA's Evidence Reports on Human Health Risks
2010, 2012	VA Office of Academic Affiliations, Pre-doctoral Associated Health & Rehabilitation Awards
2008 - 2013	VA Health Services Research & Development, Study Section member.
2009 - 2011	Mid-West Nursing Research Society, Research Grant Awards
2008 - 2013	VA Nursing Research Initiative
2008 - 2009	VA Office of Academic Affiliations, VA Nursing Academy
2007 - 2008	VA Office of Academic Affiliations, Post-doctoral awards
2006 - 2008	NIH: NIAMS Ad hoc study section
2006	VA Office of Nursing Research, TEACH Affiliation Grant 3 USU, Intramural Awards Review Panel VA Office of Nursing Research, Nursing Pilot Awards
2003	NIH: NINR CSR Ad hoc study section
2001-2007	Sigma Theta Tau International, Research Grants
1997-2001, 2004, 2007- 2009	State of Maryland, Governors Spinal Cord Injury Board &
1997-2003	Review, International Mtg., Sigma Theta Tau International
1997	NIH: NIAMS Ad Hoc Study Section
1998-2003	American Assoc. Rehabilitation Nurses, Collateral Grant Review Board
1997-2001	NIH: Center for Scientific Review, Respiratory & Applied Physiology, Study Section, member
1995-1996	NIH: Center for Scientific Review, Respiratory & Applied Physiology, Study Section, ad-hoc member
1992	American Nurses' Foundation, Collateral Reviewer
1992-2003	Sigma Theta Tau International, Collateral Grant Review & Annual Meeting
1993	NIH: DRG, Physiology/ Nursing, Ad hoc study section, R03 awards.
1993 - 1995	American Assoc. of Critical-Care Nurses/Sigma Theta Tau, Nat'l Rsch Grants.
1993 -1997	American College of Sports Medicine, Annual Meetings, Abstract Review

Editorial Boards

Years

Name of Journal

2009 - 2015	The Journal of Healthcare, Science and the Humanities
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2009 – Present	Annual Review of Nursing Research
1995 – 2003	The Journal of Cardiovascular Nursing

Manuscript Reviews

<u>Years</u>	<u>Name of Journal</u>
2021	British Medical Journal (BMJ)
2017- Present	Nursing Outlook
2015- Present	Nursing Research
2014	The Gerontologist
2009- Present	Military Medicine
2005- 2011	Journal of Rheumatology
2004	APS Physiologica Scandinavica
2002 - present	Journal of Advanced Nursing
2000 - present	Journal of Professional Nursing
1997- 2005	Aviation Space & Environmental Medicine
1997 - 2005	Aging: Clinical and Experimental Research
1994 - 2004	American Journal of Physiology: Cell
1993 - 2001	The Journal of Cardiovascular Nursing
1993 - 2005	Medicine and Science in Sports and Exercise
1991 - 2005	Journal of Applied Physiology
1991 - 1993	American Journal of Critical Care
1991	Wm. C. Brown Publishers, critique of Human Physiology, 4th Edition
1988 - 1991	Heart & Lung
1988 - 2004	Image: Journal of Nursing Scholarship
1987 - 2006	Research in Nursing and Health

Consultations

<u>Years</u>	<u>Role</u>	<u>Organization</u>
2013- Present	Member	National Metals Expert Panel, Toxic Embedded Fragment Surveillance Center, Department of Veterans Affairs
2015- Present	Member	American Academy of Nursing (AAN), Veterans and Military Expert Panel, Environmental Exposures Policy
2000-2020	Consultant	American Academy of Nursing (AAN), Genetics Expert Panel, Development of US National-Genetic Competencies for Registered Nurses
1998-2000	Consultant	E. Benz, MD, JHU, SOM, Chief of Medicine, Dept. of Medicine,

Consultations

<u>Years</u>	<u>Role</u>	<u>Organization</u>
		“41a gene in skeletal muscle”.
2000-02	Consultant	American College of Sports Medicine (ACSM) Clinical Exercise Physiology Certification
1999-02	Consultant	American College of Sports Medicine, Clinical Exercise Physiology Registry
2001-03	Consultant	D. Hanley, MD, Department of Neurology, JHMI, Skeletal Muscle Adaptation
2001-02	Consultant	University of Maryland, Department of Gerontology, Pepper Center Grant, A. Goldberg (PI)
1999-07	Consultant	Health for Humanity International, Wilmette, IL.
2001-02	Consultant	University of Gothenburg, Sweden, School of Medicine, Department of Orthopedics (Skeletal Muscle Rehabilitation)
1999	Consultant	Dr. H. Varmus, Director, NIH, Bethesda, MD; NIH Rat Model Priority Meeting, (5/3/99)
1996-00	Consultant	Judy Maloni, Ph.D. (PI), NIH: NINR, Side effects of Hospital Bedrest on High Risk Pregnancy.
1991-92	Consultant	Molly C. Dougherty, Ph.D.; Effect of pelvic muscle function on urinary incontinence, NIH: NINR.
1991-92	Consultant	Carolyn M. Sampselle, Ph.D., Stress urinary incontinence and pelvic muscle function, NIH: NCNR R29 NR01950.

Clinical Standards/Protocol Development

2000 - American College of Sports Medicine, Standards of Clinical Exercise Physiology
 2002 Practice (International practice standards)

Student Advisement**Post-Doctoral advisement**

<u>Year(s)</u>	<u>Student</u>	<u>Funding Agency (if any)</u>
2012-15	Luke Michaelson, PhD	Department of Veterans Affairs, RR&D
2010-11	Erzsebert Kovcsdi, Ph.D.	Department of Veterans Affairs, RR&D
2001- 04	Tod Watson, Ph.D.	Dept. of Defense (DoD), Winston-Salem State University, North Carolina

2000- 03	Shari Ling, MD	National Institutes of Health, National Institute of Aging
1990- 91	Myoung Ae Choe, Ph.D.	Seoul National University, Seoul, Korea
1988- 89	Joyce Thompson, Ph.D.	National Institutes of Health
1986	Cos Caljouw, MD	University of Utrecht, Netherlands & NIH
1986- 87	Franz Schmulders, MD, Ph.D.	University of Utrecht, Netherlands & NIH

Dissertation advisement (Ph.D.)

<u>Year</u>	<u>Student</u>	<u>Title</u>	<u>Role</u>
2018-2022	LisaMarie Turk	Systems Dynamics of Transition of Care	Chair, Univ. of New Mexico
2014-17	Sarah Huffman	Community Re-integration of OIF/OEF Combat Veterans using a Social Network Analysis Approach	Chair, Grad. Sch. Nursing, USU
2014- 17	Christopher Stucky	A Network Analysis of Communication Patterns in a Perioperative Military Setting	Chair, Grad. Sch. Nursing, USU
2013- 18	John Litchfield	Influence of Isoflurane on the Blood Brain Barrier in Rats	Chair, Grad. Sch. Nursing, USU
2011- 19	Christine Melillo	TBI and Reconstruction of Self	Chair, Grad. Sch. Nursing, USU
2012- 15	Patricia Schmidt	The Shared Affective Experience: Understanding Affect Contagion in Military Advanced Practice Nursing Students through Social Network Analysis	Chair, Grad. Sch. Nursing, USU
2011- 14	Ann Ketz	Neuropathic Pain: Characterization and Modulation of the M1/M2 monocyte spectrum.	Chair, Grad. Sch. Nursing, USU
2011- 16	William Danchanko	The Impact of Embedded Military Metal Alloys on Skeletal Tissue in the Laboratory Rat (<i>Rattus norvegicus</i>)	Chair, Grad. Sch. Nursing, USU
2008- 14	Carl Goforth	The Impact of Functional Movement and Body Armor on Pain: A Secondary Analysis	Chair, Grad. Sch. Nursing, USU
2009- 14	Stephen Gonsalves	The Distribution and Allelic Heterogeneity of RyR1 Variants in ClinSeq Cohort	Chair, Grad. Sch. Nursing, USU
2010- 15	Susan Galloway	Neuro-Behavioral Effects of Blast Injury on Neurohypophysial Hormone Producing Neurons in Sprague Dawley Rats: Impact on Allostasis	Chair, Grad. Sch. Nursing, USU
2010- 12	Antoinette M. Shinn	PET/CT Surveillance of Toxic Embedded Fragments, An Animal Model	Member, Univ. of Maryland, School of Nursing

2010- 12	Nancy Garetto	Patient Characteristics, Activation, and Self-Management Behaviors in Veterans with Heart Failure: What is the role of Activation?	Chair, Grad. Sch. Nursing, USU
2010-15	Mary Pat Couig	Adoption of A Comprehensive Emergency Management Program: VA Employee Perceptions	Member, Grad. Sch. Nursing, USU
2009- 11	Stephanie Bardack	Genotoxic Changes to Rodent Cells Exposed <i>In Vitro</i> to Tungsten, Nickel, Cobalt and Iron	Chair, Grad. Sch. Nursing, USU
2009- 12	Susan Perry	Catecholamine Induced RyR1 Ca ²⁺ Release in Malignant Hyperthermia Sensitive Human B-Lymphocytes	Chair, Grad. Sch. Nursing, USU
2009- 13	Deidre O. Smith	The Military and Federal Nurse Use of Habitus During the Journey and Recovery of the Service Member Wounded in Overseas Contingency Operations: Operation Iraqi Freedom, Operation Enduring Freedom and Operation New Dawn	Member, Grad. Sch. Nursing, USU
2009- 10	Deborah Hansen	Paternal Environmental Exposures and Reproductive Outcomes: A Comparison of <i>in vitro</i> and <i>in vivo</i> Fertilization	Member, Univ. of Missouri-St. Louis
2008- 12	Ann Peterson	Pulmonary Infections and Cytokines in a Patient Population	Chair, Grad. Sch. Nursing, USU
2007- 09	Victoria Davey	Understanding and Mitigating Influenza Pandemics at the Community Level: Studies using Loki Infect, a Networked, Agent-Based Model	Chair, Grad. Sch. Nursing, USU
2006- 11	Maureen Hood	Magnetic Resonance Imaging of Heart Failure Using a Swine Model	Chair, Grad. Sch. Nursing, USU
2006- 11	Margaret Kiel	Increased Protein Kinase A Activity in the Prkar1a- defective mouse is associated with hyperarousal and increased anxiety	Chair, Grad. Sch. Nursing, USU
2007- 08	Lynn Slepski	Preparedness of Emergency Health Care Providers during National Disasters	Member, Grad. Sch. Nursing, USU
2006- 08	Roberta Lavin	Morphometry and Ultrastructure of Skeletal Muscle Following Exposure to Weapons Grade Tungsten Alloy in F344 Rats	Chair, Grad. Sch. Nursing, USU
2006- 08	Lela Holden	An Analysis of Several Dimensions of Patient Safety in Ambulatory-Care Facilities	Member, Grad. Sch. Nursing, USU
2005- 06	Henrietta Hubbard	Newborn Screening for Genetic and Metabolic Disorders: Modeling Costs and Outcomes for Expanded Testing	Member, Grad. Sch. Nursing, USU

2005- 07	Lisa Latendresse	Predictors of Phantom Limb Pain in Combat Injured Casualties with Limb Amputation.	Member, Grad. Sch. Nursing, USU
2005- 08	Michele Kane	Gene Expression Analysis of the Genotoxic Potential of Weapons Grade Tungsten Alloy in F344 Rats.	Chair, Grad. Sch. Nursing, USU
2005- 07	Christine Engstrom	Altered temperature regulation during androgen blockade in prostate cancer	Chair, Grad. Sch. Nursing, USU
2005- 07	Nicole McPherson	Public Health Implications of the 1540 nm Laser on the Cornea	Member, Dept. Preventive Med. & Biometrics, USU
2005- 06	Richard Ricciardi	Impact of Body Armor on Physical Work Performance	Member, Grad. Sch. Nursing, USU
1997- 03	Tonya Andrade	The Pharmacogenetics of F-Cell Variation	Chair, Johns Hopkins Univ, Sch. of Nrsg.
2003	Wendy Blakely	Chronic Pain and Cytokines	Member, Johns Hopkins Univ, Sch. of Nrsg.
2001	Jean Gaines	Strength and Functional Ability in Elderly Women with Osteoarthritis of the Knee	Member, Johns Hopkins Univ, Sch. of Nrsg.
2000	Lisa M. Sacco	Maternal Perception of Infant Crying: Effects on Infant Feeding Choices in Mexico	Member, Johns Hopkins Univ., Sch. Public Hlth.
2000	Alexis Bakos	Perception of QOL in African-American Women with Breast Cancer	Member, Johns Hopkins Univ, Sch. of Nrsg.
1999	Norma Garrett	Effects of LY235959 on Surgery-Induced Immunosuppression and Increased Metastasis in Rats	Member, Johns Hopkins Univ, Sch. of Nrsg.
1996	Barbara Bates-Jensen	Pressure Ulcer Management: Physiologic Aspects	Member, UCLA, School of Nursing
1996	Bernice Coleman	Antigens: An Indicator of Altered Cell Mediated Immunity, in Advanced Heart Failure	Member, UCLA, School of Nursing
1996	Judith Halle	Prevention of Hypoxic Brain Damage in the Newborn	Chair, UCLA, School of Nursing
1995	Andrew Jacobson	Function and Regulation of the Transfected Rat Striatal Dopamine D2 Receptor In The Mouse LtK-Fibroblast	Member UCLA, Dept. Pharmacology

1993	Ken Ono	Congruencies on Fourier Co-Efficients of Modular Forms on Go (N) with Number-theoretic Applications	Member, UCLA Dept. Mathematics
1992	Gayle G. Page	The Impact of Surgery on Natural Killer Cell Cytotoxicity & Tumor Metastasis in Rats	Chair, UCLA, School of Nursing

Master's Thesis advisement

<u>Year</u>	<u>Student</u>	<u>Title</u>	<u>Role</u>
2009	L. Galloway, J. Romeo, C. Jones, G. Phillips, R. Morris	The Effect of Malignant Hyperthermia on Satellite Cell Populations in Skeletal Muscle	Chair, USU, Grad. Sch. of Nursing
2008	M. D. Dixon, A. Dalglish, B. Waters	Muscle Fiber Atrophy Associated with Neuropathic Pain	Chair, USU, Grad. Sch. of Nursing
2005	J. Nelson, A. Bivens, A. Shinn	Operating Room Telephone Microbial Flora	Member, USU, Grad. Sch. of Nursing
2005	James G. Fyffe	Corneal Injury to Ex-Vivo eyes exposed to a 3.8 μ m laser	Member, USU, Dept. Preventive Med. & Biometrics
1997	Lisa Marie Ianniello	A study of the relationship of Intracranial pressure and cerebral metabolism	Member, UCLA, School of Nursing
1997	Linda Plush	Calcium, Phosphorus, and Alkaline Phosphatase levels of uncomplicated head injury patients on roto-rest and low-air-loss beds during two weeks of bedrest	Member, Azusa-Pacific University, School of Nursing
1992	Mary Ann Shinnick	Improving the Quality and Quantity of Sleep in the Postoperative Cardiac Surgical Patient in the Intensive Care Unit	Member, UCLA, School of Nursing
1992	Barbara Bates-Jensen	Pressure Ulcer Management: Physical, Supportive and Local Aspects of Care	Member, UCLA, School of Nursing
1992	Kim Marie Schlessinger	Co-relational Study of Spinal Flexibility: Measurements and the Development of Back Injuries	Member, UCLA, School of Nursing
1987	Anthony O. Boxwell	Patterns of Maximal Force Generation in Atrophied Senescent Rat Soleus Muscle Fibers	Chair, Univ. of Wisconsin-Madison, School of Nursing
1987	Margaret M Sullivan	Effect of Denervation on Fiber Type and Force Generation	Chair, Univ. of Wisconsin-Madison, School of Nursing

1986	Susan Dickert	The Benefits and Hazards of On-Ventilator Suctioning in an Infant Animal Model Experiment	Chair, Univ. of Wisconsin-Madison, School of Nursing
1985	Marilyn S. Beagle	“The Effect of Pediatric Suction Catheter Size and Suction Pressure on Negative Pressure in Paralyzed Rabbits.”	Chair, Univ. of Wisconsin-Madison, School of Nursing
1985	Fou Chen	“Effect of Weight-Bearing Exercise on Hypokinesia-Induced Negative Calcium Balance.”	Chair, Univ. of Wisconsin-Madison, School of Nursing
1985	Mary Beth Higgins	“The Effect of Adapter Suctioning on Oxygenation and Airway Pressure.”	Chair, Univ. of Wisconsin-Madison, School of Nursing
1985	Pamela Ann McIntosh	A Controlled Animal Study on the Benefits and Hazards of Suctioning through an Adapter	Chair, University of Wisconsin-Madison, School of Nursing
1985	Ann McNulty	Tissue Atrophy & Subsequent Recovery, Pt. 2	Chair, University of Wisconsin-Madison, School of Nursing
1985	Amy Otto	Disuse Atrophy & Subsequent Recovery, Pt. 1	Chair, University of Wisconsin-Madison, School of Nursing

SCHOLARLY PROJECTS ADVISEMENT

JHU: 1997-2003

Undergraduate students from minority and non- health sciences departments were mentored and collaborated on various research projects. Leadership Alliance Program (4 students), Undergraduates: Whiting School of Engineering – 6; Department of Biology – 3; Political Science– 1.

UCLA: 1988- 1997

Undergraduate students from minority and non- health sciences departments were mentored and collaborated on various research projects. Undergraduates (majors): Physiological Sciences – 8; Biology – 3; Neurophysiology – 1; Life Sciences – 2; Genetics – 1; Pre-Medical - 3.

CONSULTATIONS (Educational)²

University of Texas Health Sciences Center, Galveston, TX. School of Nursing, Graduate Programs, 1993.
University of Texas Health Sciences Center, San Antonio, TX. School of Nursing, Doctoral Program, 1997

SCHOLARLY (Research Presentations)

- 2021 International Council of Nurses, “COVID19 pandemic changes in nursing regulation for licensure and full practice authority for nurse practitioners in the United States.” Lavin, R., Couig, MP, **Kasper, CE.** (November) Geneva, Switzerland (Virtual).
- 2020 International System Dynamics Conference, “Registered Nurse Shortage in New Mexico: System Dynamics Modeling as an Innovative Approach to Strengthening

- the Workforce" (ID #1122), Cole, M., Martin, J., **Kasper, C.E.** (July). Bergen, Norway. (Virtual)
- International Armed Forces, Veterans & Families Research Conference, "Exacerbation of Traumatic Injury by Metals," **Kasper, C.E.** (September), University of Chester, UK. (Virtual)
- 2019 AORN: Global Surgical Conference, "A Network Analysis of Perioperative Communication Patterns in a Military Medical Setting," Stucky, C, **Kasper, C.E.**, DeJong, M, Kabo, F, Davey, V. Nashville, TN (April)
- World Federation Neuropsychological Rehabilitation, NR-SIG-WFNR 2019, "Self-Identity Reconstruction in Veterans and Military Service Members after Traumatic Brain Injury," Melillo, C., Powell-Cope, G., **Kasper, C.E.**, (June), Granada, Spain.
- 2018 American Psychological Association, International meeting, invited Symposium, "Telemental Health (TMH) Treatment in the VA", **Kasper, C. E.**, Morgan, S. (August), San Francisco, CA
- 2017 Experimental Biology 2017, "Recovery from Fatigue and Injury in Rat Muscle Imbedded with Heavy Metals," Michaelson, L., Muldoon, S, **Kasper, C. E.** (April), Chicago, IL
- TriService Nursing Research Symposium, "Effects of Repeated Anesthesia Exposures on the Physiological Parameters of Sprague Dawley Rats." Litchfield, J., Osborne-Smith, L., **Kasper, C. E.** (April), Ellicott City, MD
- NIH, NINR Summer Genetics Institute. "Developing a Program of Genomic Research after SGI." **Kasper, C. E.** (June), Bethesda, MD
- Society for Neuroscience 2017, "Effect of Gulf War "Desert-Dust" compounds on the viability and permeability of the blood- brain barrier in a 3D model," Hoffman, J, **Kasper, C. E.**, Kalinich, J. F., (November), Washington, D. C.
- 2016 Military Health System Research Symposium, "Influence of Type of Anesthesia Mask on the Physiological Parameters of Sprague Dawley Rats." Litchfield, J., **Kasper, C. E.**, Osborne, L. (August)
- American Psychological Association, International meeting, invited Symposium, "A Primer in Federal Health Policy: Full Practice Authority for APRN's." (August), Denver, CO, **Kasper, C. E.**, Engstrom, C.
- American Asso. of Colleges of Nursing, Doctoral Conference, "Preliminary Exams in a Research Doctorate: Formative, Summative and Programmatic Insights from an^[1]End of First Year Evaluation." (January 22) Naples, FL.
- American Asso. of Colleges of Nursing, Doctoral Conference, "Is a 3-year PhD Program Possible?" (January 22) Naples, FL.
- 2015 University of Florida, FL, School of Nursing, Invited talk, "Muscle and Heavy Metals: A Toxic Mix," (November 19).
- Sigma Theta Tau International Congress, Researcher Hall of Fame Talk, "Following the Question: From Bedrest to Outer Space and Beyond." (July 25), San Juan, Puerto Rico.
- American Psychological Association, International meeting, invited Symposium, "Teaching interdisciplinary public policy at the graduate level in the changing healthcare environment." (8 August), Toronto, Ontario, CA.
- University of Rochester, NY, School of Nursing, Invited talk, "Why Research?" (13 April).

- 2014 University of Maryland-Baltimore, School of Nursing, Invited Seminar, “Metal Mediated Muscle Mayhem.” (March 18), Baltimore, MD.
- University of South Florida, Distinguished Lecturer, College of Nursing, Invited Seminar, “Metal Mediated Muscle Mayhem.” (March 28), Tampa, FL.
- 64th American Society of Human Genetics Annual Meeting, “Functional Characterization of *RYR1* Sequence Variants Associated with Malignant Hyperthermia Susceptibility Identified through Exome Sequencing,” S. G. Gonsalves, **C. E. Kasper**, S. Perry, S. M. Muldoon, L. G. Biesecker., San Diego, CA (October 18).
- AMSUS Annual Meeting, Pierce, P., Kasper, C.E. “Educating Warrior Scholars for Research Careers in Military and Federal Service,” (December 3), Washington, DC.
- American Physiological Society, Greater Washington D.C. Area Meeting, “Evaluation of the Cyclic Nucleotide Gated Channel in Human B-lymphocytes From Malignant Hyperthermia Susceptible and Malignant Hyperthermia Non-Susceptible Persons.” L. Michaelson, S. Muldoon, S. Perry, N. Sambughin, **C. E. Kasper**, (November 21).
- American Physiological Society, Greater Washington D.C. Area Meeting, Functional Characterization of *RYR1* Sequence Variants Associated with Malignant Hyperthermia Susceptibility. S. G. Gonsalves, **C. E. Kasper**, Susan Perry, S. M. Muldoon, L. G. Biesecker, (November 21).
- 2013 University of Kentucky, School of Medicine, Department of Physiology, Invited Seminar, “Metal Mediated Muscle Mayhem.” (February 13), Lexington, KY.
- The 10th World Congress on Neurohypophysial Hormones, Invited Paper, “Loss of Magnocellular Neuron Function in Sprague-Dawley Rats as a Result of Mild Blast Injury: Implications for Social Well Being?” Galloway, S., Blokhin, A. and **Kasper, C. E.**, (July 13), Bristol, UK.
- University of Tennessee-Memphis, Distinguished Visiting Professor, Invited Seminar, “Metals in Health Care and Behavior.” (August 7), Memphis, TN
- The 5th International Conference on Medical Geology. Paper presented “Cellular Changes in Response to Embedded Fragments: Surveillance Using PET-CT,” (August 25-29), Arlington, VA.
- 2012 MNRS 2012 Annual Research Conference. Bardack, S. K., **Kasper, C. E.**, Kalinich, J. F., Dalgard, C. L. MNRS Symposium: The continuum of translation research in genomics: From genomics to health application, Techniques for Investigating Metal-Induced Genotoxic Changes Using Cell Cultures. [SEP] (April 12-15), [SEP] Dearborn, Michigan
- MNRS 2012 Annual Research Conference. **Kasper, C. E.**, Nursing Research Opportunities at the Department of Veterans Affairs. (April 12-15), [SEP] Dearborn, Michigan
- ISMRRM 20th Annual Meeting. Hood, M. N., Song, T., Bedocs, P., Capacchione, J. F., **Kasper, C. E.**, Haigney, M. C., and Ho, V. B. Myocardial T1 Mapping in Swine with Non-ischemic Heart Failure with Comparison to Changes in Specific Collagen Types. (May 7), Melbourne, Australia
- USU Research Week, **Kasper, C. E.** Mild and Moderate Blast TBI in Rodents. (May 14) USU, Bethesda, MD
- Gordon Research Conference, Muscle: Excitation / Contraction Coupling.

Catecholamine Augmented RyR1 Ca²⁺ Release In Malignant Hyperthermia Sensitive Human B-lymphocytes. Perry, S., Muldoon, S., Bungler, R., **Kasper, C. E.**, (June 3-8, 2012), Les Diablerets Conference Center, Les Diablerets, Switzerland

CANS 2012 State of the Science Congress on Nursing Research Catecholamine Augmented RyR1 Ca²⁺ Release In Malignant Hyperthermia Sensitive Human B-lymphocytes. Perry, S., Muldoon, S., **Kasper, C.**, Bungler, R., Shafer, M. (September 13-15), Washington, D.C.

CANS 2012 State of the Science Congress on Nursing Research. Blokhin, A., Grunberg, N., Agoston, D. **Kasper, C. E.** Neurobehavioral Impairment is Prevented by Acute Minocycline Treatment in a Rodent Model of mild Blast Traumatic Brain Injury. (September 13-15), Washington, D.C.

Annual Meeting, American Society for Cell Biology, Effect of minocycline treatment: a dorsal and ventral hippocampus immunohistochemical analysis after traumatic brain injury of rats, Blokhin, A., Grunberg, N. E., Agoston, D. V., **Kasper, C. E.** (Dec. 16), San Francisco, CA

2011 ISMRM 19th Annual Meeting. Hood, H., Song, T., Bedocs, P., Capacchione, J., Haigney, M., **Kasper, C. E.**, Ho, V., Free-breathing T₁ Mapping MRI for Quantification of Myocardial T₁ Pre-and Post-Contrast in Swine with Non-ischemic Heart Failure. ¹¹_{SEP}(May 7-13), Montréal, Québec, Canada.

North American Society of Cardiovascular Imaging Annual Meeting, Baltimore, Maryland. Hood MN, Song T, Bedocs, P, Capacchione C, Haigney M, **Kasper C**, Ho VB. Free-breathing T₁ Mapping MRI for Quantification of Myocardial T₁ in Swine with Heart Failure. Best Cardiac MR Presentation Winner. (September 24-27) Baltimore, MD.

NIH NINR's 25th Anniversary Concluding Scientific Symposium. A. Blokhin, E. Kovesdi, D. Agoston, **C.E. Kasper**, Extended Depth Focus imaging: a hippocampus immunohistochemical analysis in different environment conditions after traumatic brain injury of rats. Washington D.C. (October 13)

2010 Walter Reed Army Medical Center, *Invited Seminar*, Health Effects of Embedded Fragments. Washington, D.C. (May 25)

Smithsonian, National Museum of American History, *Invited Seminar*, From Knowledge to Wisdom: Reflections on 50 Years of the Information Age, (September 9) Washington D.C.

Navy Medicine Institute for the Medical Humanities and Research Leadership & Smithsonian Institution. Ethics, Societal Responsibility, and the Responsible Conduct of Researchers: *An Expert Panel Discussion* (September 28) Washington D.C.

Neuroscience 2010, 40th Annual Meeting, *Paper Presented*: Effect of enriched environment on the outcome of traumatic brain injury, (November 15) San Diego, CA.

2009 38th World Congress on Military Medicine, *Paper Presented*: Genotoxic and Cytotoxic Carcinogenesis Effects if Embedded Weapons Grade Fragments of Tungsten Alloy Shrapnel in C2C12 and L6 Muscle Cells, (October 4-9), Kuala Lumpur, Malaysia.

American Association of Nurse Anesthetists, 76th Annual Meeting, *Paper Presented*, Quantification of Regenerative Satellite Cells in a Malignant Hyperthermia Susceptible Porcine Model (August 12).

USU Research Week, Bethesda, MD. Gallaway, L., Morris, R., Romeo, J, Jones, C., Phillips, G., **Kasper, C.E.**, Maye, J. Cruthirds, C., Larsen, M., *Paper Presented*:

- Quantification of Regenerative Skeletal Muscle Components in a Malignant Hyperthermia Susceptible Porcine Model: A Possible Link to Prolonged Muscle Weakness, (May 11).
Midwest Nursing Research Society, Annual Meeting, *Invited Presentation*, “Research Opportunities in the Department of Veteran’s Affairs.” Minneapolis, MN (March 20).
- 2008 Boston College, William F. Connell School of Nursing, PhD Colloquia, *Invited seminar*: “Nursing Research from the Front Lines of Conflict.” (November 17).
Michael E. Debakey VA Medical Center, *Invited keynote* “The Advent of Genomic Medicine.” (September 29) Houston, TX.
- 11th Annual Force Health Protection Conference. *Paper presented*: Weapons Grade Tungsten Alloy as a Potential Cytotoxin and Genotoxin. Kane, M., Kasper, C.E., Biswas, R. and Kalinich, J. (9-16 August) Albuquerque, NM.
- 11th Annual Force Health Protection Conference. *Paper presented*: Lavin, R., Kane, M., Kalinich, J., **Kasper, C.E.** Shrapnel Injuries: What Nurses Should Monitor Now and Long-term. (9-16 August) Albuquerque, NM.
- 11th Annual Force Health Protection Conference. *Paper presented*: Lavin, R., Kane, M., Kalinich, J., **Kasper, C.E.** Histologic changes in Muscle of Rats Embedded with Tungsten Alloy. (9-16 August), Albuquerque, New Mexico
- American Association of Nurse Anesthetists, Annual Meeting, *Paper Presented*. Dixon, M., Dagleish, A. H., Bret A. Waters, B.A.; Maye, J.A., **Kasper, C.E.** "The Effect of Induced Neuropathic Pain on Skeletal Muscle," (August 9-13), Minneapolis, MN.
- 17th Annual 17th Annual USPHS Nursing Recognition Day, National Institutes of Health, *Invited Paper*, Doctoral Education in the Federal Sector. (May 2) Bethesda, MD.
- Case-Western Reserve University, School of Nursing. *Invited Seminar*, Methods in Complex Adaptive Systems. (April 7), Cleveland, OH.
- AACN 2007 Doctoral Education Conference, *Invited Seminar*, Research Opportunities in the Dept. of Veterans Affairs. (January 26) Captiva, FL.
- 2007 18th International Nursing Research Congress Focusing on Evidence Based Practice, *Paper Presented*. Engstrom, C. A., **Kasper, C.E.**, Monitoring of Men with Hot Flashes Following Androgen Ablation: A Trans-disciplinary Approach. (11-14 July) Vienna, Austria.
- 2006 CANS, *Paper Presented*, Promoting Expansion of VA Healthcare Facility Affiliations with Schools of Nursing, (November) Washington DC.
CANS, *Paper Presented*, Increasing VA Nursing Research Capacity: Allocation of Competitive Plot Funds, (November) Washington DC.
- 2005 Dept. of Neurology, Walter Reed Army Medical Center, *Invited Seminar* “Adaptation of Myonuclei to Atrophy and Aging,” (6 October), Washington, DC.
- 2004 AMSUS 2004/Karen Rieder Poster Session, “Altered Cytoskeletal Isoforms of Atrophic Skeletal Muscle Contribute to Injury during Rehabilitation”, Denver, CO.
- 2003 Southern Nursing Research Society, Annual Meeting, *Invited Symposium*, “Skeletal Muscle and Exercise during Recovery.” (February) Orlando, FL.
Orthopedic Research Association Annual Meeting, *Paper Presented*, “Arthritis-induced muscle dysfunction-atrophy, or more? Determination of bio-energetic reserve by in-vivo ³¹P NMR. (February), San Francisco, CA.

- FASEB, Experimental Biology 2003, *Paper Presented*. “Skeletal Muscle Atrophy Induced by Hind-limb Unloading is Associated with Low Muscle IL-6.” (April), San Diego, CA.
- ISMRM (International Society for Magnetic Resonance in Medicine) Scientific Meeting, *Paper presented*, Determination of Bioenergetic Reserve in Arthritis-Induced Muscle Dysfunction by In-Vivo ³¹p Nuclear Magnetic Resonance Spectroscopy, (May), Toronto, Canada.
- University of Maryland, School of Nursing, *Invited Seminar*. “Osteoarthritis and Atrophy: Which comes first?” (May), Baltimore, MD.
- NIH, NIA, *Seminar*, “Arthritis and Skeletal Muscle Malfunction: Is it more than atrophy?” (July) Baltimore, MD.
- University of Alberta, *Invited Seminar*. “Uncovering the cause of skeletal muscle injury during rehabilitation.” (October), Edmonton, Alberta, Canada.
- 2002 American College of Sports Medicine, 49th Annual Meeting, *Invited Symposium*, Chair and Speaker. “Clinical Ethics in Sports Medicine.” (May 30), St. Louis, MO.
- Cold Spring Harbor Laboratory. *Invited Speaker*, “Dynamic Organization of Nuclear Function, Nuclear Lamin Adaptation.” (September 18), Cold Spring Harbor, NY.
- Sigma Theta Tau, State of the Science, *Symposium*. “Animal Models of Physical Activity and Exercise,” September 28. Washington, D.C.
- NIH: Summer Student Seminars. Cytokines and Osteoarthritis. Bethesda, MD. October.
- JHU, Whiting School of Engineering, Dept. of Materials Science, *Invited Seminar*, “Muscle as Material: Sources Of Failure”. October 23, Baltimore, MD.
- American Society of Cell Biology, Annual Meeting. *Paper Presented*, “Serum Levels Are Poor Predictors Of Muscle Levels Of Interleukin IL-6,” December 15. San Francisco, CA.
- 2001 NIH, CSR, “Myonuclei in Aging Muscle,” *Invited seminar*. March 19, Washington, D.C.
- University of Göteborg, School of Medicine, Department of Orthopedics. *Departmental Seminar*. “The Role of Myonuclei in Recovery from Skeletal Muscle Atrophy,” and “Passive Stretch of Skeletal Muscle Following Stroke.” (July), Göteborg, Sweden.
- University of Göteborg, School of Medicine, Dept. of Orthopedic Surgery and Muscle Physiology, Gothenburg, Sweden. *Invited seminar* “Nuclear Migration in Skeletal Muscle.” (August) Göteborg, Sweden.
- 2000 Brazil, *Invited Keynote*, 50th Anniversary of School of Nursing, Universidad Federal Pernambuco, “State of the Science in Nursing Research.” (September) Recife, Brazil.
- American Academy of Nursing, *Invited paper*, “Integrating Basic Genetics Technologies in Nursing.” (November), San Diego, CA.
- University of Göteborg, Rehabilitation Hospital, Sweden. . *Invited paper* “Transfer Technique following Stroke.” (July), Göteborg, Sweden.
- 1999 Pennsylvania State University, Eighteenth Annual Nursing Speaker’s Day, Sponsored by the Department of Nursing and Lambda Tau Chapter of Sigma Theta Tau International. “Recovery from Muscle Atrophy” A Program of Research,” (April 15) Slippery Rock, PA.

- American College of Sports Medicine, 46th Annual Meeting, *Invited Symposium*, “Molecular Mechanisms of Aging”. (June 2-5), Seattle, WA.
- 1998 George Mason University, School of Nursing, *Invited speaker*, “Adaptation of the Skeletal Muscle Cell During Atrophy.” (March 28), Fairfax, VA.
- Johns Hopkins University & University of Maryland Schools of Nursing, (May 15) 9th Annual Research Day, “Changing Face of Nursing Research”, *Invited speaker*, “New Criteria for NIH Review.”
- 6th Annual Congress on Women’s Health: From Bench to Bedside (June 21), *Paper presented*. Washington D.C., “Physical Conditioning after Injury.”
- 1997 Biophysical Society, New Orleans, LA. Mar. 5, *Paper presented*. “Altered Nuclear Control Domains In Aging Skeletal Muscle.”
- Society for Gynecologic Investigation, *Paper presented*. “Neonatal hypoxic ischemic neuroprotection by the adenosine A1 receptor binding enhancer PD 81, 273,” (March 21), San Diego, CA.
- University of Texas, San Antonio, Health Science Center, School of Nursing, Nursing Science Colloquium, *Invited Keynote Speaker*, “Adaptation of Nuclear Control Domains in Skeletal Muscle,” (April 21), San Antonio, TX.
- Western Institute of Nursing, 30th Annual Communicating Nursing Research Conference, *Invited State of the Science Presentation*, “Advances in Physiologic Fatigue and Atrophy,” (May 3), Portland, OR.
- Gordon Research Conference, Muscle: Excitation/Contraction Coupling. *Paper Presented*, “Calcium Signaling In Skeletal Muscle Nuclei,” (June 12), Colby-Sawyer College, NH,
- Johns Hopkins University School of Nursing, *Invited speaker* “Clinical Effects of Skeletal Muscle Atrophy,” (December 2), Baltimore, MD.
- 1996 Biophysical Society, Annual Meeting, *Paper Presented*. “A Role for Kinesin in Developing Soleus Muscle Fibers in the Rat.” Feb. 18-22, Baltimore, MD.
- American College of Sports Medicine, Annual Meeting, *Symposium*: “Professional Conduct and Financial Interests,” (May 29- June 1), Cincinnati, OH.
- American College of Sports Medicine, Annual Meeting, *Paper presented*: “Cytoplasmic Volume-To-Myonucleus Ratios in Developing Rat Soleus and Plantaris Fibers.” (May 29- June 1), Cincinnati, OH.
- NIH, NINR, *Invited seminar*: “The Role of Myonuclei And Molecular Motors In The Development Of Skeletal Muscle,” (Sept. 6), Bethesda, MD.
- 2nd Annual Fetal Research Meeting, University of California, San Diego, “Neonatal Hypoxic-Ischemic Neuroprotection by The Adenosine A1 Receptor Binding Enhancer PD 81,273,” (October 11) La Jolla, CA.
- Johns Hopkins University, Nov. 12, *Invited seminar*. “Nuclear Control of Skeletal Muscle Development,” Baltimore, MD.
- 1995 American College of Sports Medicine, Annual Meeting, *Paper Presented*: “Cytoplasm-To-Myonucleus Ratios in Atrophic Skeletal Muscle.” May 31-June 4, Minneapolis, MN.

- 1994 Second National Multi-Specialty Conference on Urinary Continence, *Paper presented*: “Pelvic muscle profile types in response to pelvic muscle exercise.” January 21, Phoenix, AZ.
- 1986 Biophysical Society Meetings, *Paper presented*: “Effects of decreased muscle activity on the velocity of shortening and myosin isozyme composition of single fibers from mammalian fast and slow muscles,” February 8-13, San Francisco, CA
- American College of Sports Medicine, National Meetings, *Paper presented*: “Use of the Inverted Cage Suspension (ISC) Model to Induce Skeletal Muscle Atrophy,” Indianapolis, IN.
- American College of Sports Medicine, National Meetings, *Paper presented*: “Effects of the recovery mode on soleus muscle composition following Hypokinesia,” (May 18-20), Indianapolis, IN.
- Marquette University, and Sigma Theta Tau. *Invited research colloquium*. “Clinical Implications for Skeletal Muscle Atrophy,” (October 10), Milwaukee, WI.
- Wisconsin Nurses’ Association Clinical Sessions. *Paper presented*: “Use of the Inverted Cage Suspension Model (ISC) to Induce Skeletal Muscle Atrophy,” (October 16), Milwaukee, WI.
- Wisconsin Nurses’ Association Clinical Sessions. *Paper presented*: “Effects of the Recovery Mode on Soleus Muscle Composition Following Hypokinesia,” (October 16), Milwaukee, WI.
- 1985 Biophysical Society, Annual Meeting. *Paper presented*: “Ca²⁺ Stimulation of Ca Release in Disrupted Cardiac Cells via Ionic Depolarization of Plasma Membrane Fragments,” (February 26), Baltimore, MD.
- University of Wisconsin-Madison, Department of Physiology, *Invited seminar*: “The Effects of Hypokinesia on Mammalian Skeletal Muscle,” April 30, Madison, WI.
- University of Minnesota, School of Nursing, *Invited seminar*: “Research Program Development in Nursing,” May 17, Minneapolis, MN.
- 1984 University of Maryland at Baltimore, College of Nursing. *Paper presented*: “Recovery of Skeletal Muscle from Atrophy,” January 10, Baltimore, MD.
- Biophysical Society, *Paper presented*: “Uniform Sarcomere Lengths in Mammalian Peeled Muscle Fibers,” February 22, San Antonio, TX.
- University of Wisconsin-Milwaukee, School of Nursing. *Paper presented*: “Avoidance of Post-Atrophy Injury,” March 19, Milwaukee, WI.
- University of Wisconsin-Madison, School of Nursing. *Paper presented*: “Injury Potential During Post- Hypokinetic Recovery,” March 29, Madison, WI.
- University of Illinois, College of Nursing. *Paper presented*: “Hypokinesia and the Recovery of Skeletal Muscle,” April 10, Chicago, IL.
- University of Pennsylvania, School of Nursing. *Paper presented*: “Recovery of Skeletal Muscle: Injury Potential,” April 11, Philadelphia, PA.
- Brigham Young University, School of Nursing. *Paper presented*: “Post-Exercise Skeletal Muscle Injury,” April 14, Provo, UT.

- University of Wisconsin-Madison, Madison, WI. *Invited seminar*. Department of Physical Education and Biodynamics. “The Effects of Conditioning Following Decreased Skeletal Muscle Activity,” November.
- 1983 FASEB Meeting, *Paper presented*: “Influence of Exercise on the Recovery of Skeletal Muscle from Hypokinesia,” April 11-15, Chicago, IL.
- Illinois Nurses’ Association Research Sessions. *Paper presented*: “Influence of Exercise on the Recovery of Skeletal Muscle from Hypokinesia,” October, Chicago, IL.
- Rush University, The Fifth Annual Surgical Nursing Symposium, “Focus on Nursing Assessment: The Surgical Patient.” *Paper presented*: “The Effects of Immobility on Fluid and Electrolyte Balance,” November 15-16, Chicago, IL.
- 1982 Rush Nursing Research Colloquium, Rush College of Nursing, *Paper presented*: “Adaptation of Rat Skeletal Muscle to Hypokinesia,” March, Chicago, IL.
- American Physiological Society, Fall Meetings, *Paper presented*: “Adaptation of Rat Skeletal Muscle to Hypokinesia,” September, San Diego, CA.
- 1981 Research Symposium. University of Michigan. Graduate Program’s and Sigma Theta Tau, *Paper presented*: “Influence of Physical Conditioning on the Recovery of Skeletal Muscle from Temporary Hypokinesia: The Hypokinesia Model,” April 22-25, Ann Arbor, MI.
- University of Michigan, Continuing Education, *Seminar* presented with Dr. Pat Butler: “Eyes of March – Physical Assessment of the Eye and Emergency Care of Eye Injuries,” March 22, Lansing, Michigan.

ADMINISTRATIVE SERVICE (Policy, Boards, budgets, personnel etc.)

University of Pittsburgh, School of Nursing

2023-present Dean and Professor

Pitt Academic Leadership Team

Pitt Health Sciences Planning and Budgeting Committee

Pitt Board of Trustees Academic Affairs/Libraries committee

UPMC Home Healthcare Board of Directors

UPMC Presby/Shadyside Board of Directors

University of New Mexico, College of Nursing

2018-2023 Dean and Professor

UNM Health Sciences Center, Core Leadership Group

UNM Comprehensive Cancer Center, Board

UNM Provost all Deans Committee

UNM HSC COVID Incident Management Team

UNM Metals and Toxicity Assessment in Tribal Lands in the Southwest (METALS),

NIH/NIEHS P42, Internal Advisory Board.

HSC Architecture and Building Committee, College of Nursing

CASE Training, UNM Foundation, Development

USU / Dept. of Veterans Affairs

2013- 2018	VHA, Research and Evidence Based Practice Goal Group, National Nursing Executive Committee
2011- 13	USU Middle States Commission on Higher Education, Re-accreditation of University, Member University Steering Committee. University self-assessment report.
2010- 12	VHA, Evidence Based Practice Goal Group, National Nursing EBP committee reporting to the National Nursing Executive Committee, policy, strategic planning, and EBP recommendations to National Nursing Executive Committee (EBP).
2009 – 13	HJF Board of Academic Councilors, The Henry M. Jackson Foundation for the Advancement of Military Medicine, Inc.
2009	USU President’s Working Group on Faculty Appointments and Promotions (revision of the USU Instruction 1100 document, academic promotions and tenure)
2007- Present	National Genetics/ Goal Group, VA Office of Nursing Services (establish strategic plan and strategies to nationally incorporate genetics/genomics into nursing care services as well as strategies to provide educational training in genetics to VA nurses system wide) and associated budgets for implementation.
2007-12	Nursing Research Advisory Group (NRAG), National nursing research committee reporting to National Nursing Executive Committee, policy, strategic planning, and research recommendations to NNEC.
2007-11	Chair/Director, PhD Dept./Program
2005-07	Associate Director, PhD program
2005-08	Chair, Faculty Welfare and Compensation Committee: School of Medicine Compensation and Welfare Report (Research and analysis of all academic compensation for the university on behalf of the University Faculty Senate)
2006	USU Merit Review Committee
2006-2013	USU Committee on Academic Promotions and Tenure
2006-09	Dept. of Veterans Affairs, Office of Nursing Services, Nursing Research Advisory Group: Advisory to National Nursing Executive Committee on issues of policy, conduct, implementation of nursing research in the VA system.
2005-06	Dept. of Veterans Affairs, Office of Nursing Services, University Affiliation Agreement Leadership Team (policy, guidelines, requests for proposals for academic affiliations of universities with VA Medical Centers and other facilities)
2006	USU Co-Chair Research Week
2005-08	Chair, Faculty Welfare and Compensation Committee, USU
2005-08	University Faculty Senate, Member
2004-Present	Dept. of Veterans Affairs Central Office, Office of Chief of Nursing Services (policy, strategic planning, implementation of national strategic plans)
2004-09	USU Faculty Senate Research Committee

2003-05 Faye Abdellah Nursing Research Center, Leadership Team

Johns Hopkins University School of Nursing

Year(s) Committee: (year of service, indicate if office membership)

2001- 03 PhD Curriculum Committee
 2000- 03 DNSc. Admissions Committee
 1999- 00 Chair, Ph.D. Curriculum Committee
 1998- 00 Ph.D. Admissions Committee
 1997- 99 Appointments, Promotions and Tenure Committee
 1997- 99 Core Competencies Committee, Doctoral Program
 1998- 03 Health Promotion and Disease Prevention Council
 1995 International and Extramural Academic Program Committee
 1998- 99 International & Extramural Academic Program: Certification Program Committee
 1998- 99 Certification Program Committee
 1998- 01 Doctoral Program Comprehensive Exam Review Sub-Committee
 1998- 99 Gerontology Council, Member
 1998- 99 Genetics Committee

Johns Hopkins University

2000- 02 **General Accounting Systems**, BASIS Workgroup (University Wide reconstruction of computer accounting systems)
 1998- 02 **Leadership Alliance Consortium**, SON Representative (Nat'l Minority Research Program)
 1998- 00 **JHU Graduate Board**, SON Representative (University wide policy, policy enforcement administration of PhD curriculum, legal, signature authority and awarding of academic degrees for University)
 1997- 99 **Applied Physics Lab (APL)**: Sabbatical Fellows and Professors Professional Committee

University of California, Los Angeles

1996- 97 University of California, Statewide Academic Assembly (UC system);
 Comm. on Academic Personnel and Merit;
 Member Subcommittee of Comm. on Academic Personnel and Merit;
 Member Graduate Programs Committee-Doctoral Program;
 Subcommittee Student Affairs Committee;
 1995-1996 University of California, Statewide Academic Assembly (UC System)
 Member, Subcommittee of Comm. on Academic Personnel and Merit,
 1994-1995 Subcommittee of Comm. on Academic Personnel and Merit, Member
 Faculty Research Committee
 1993-1994 Faculty Executive Committee;
 Subcommittee of Comm. on Academic Personnel and Merit, Member
 Faculty Compensation Sub-Committee; Ph.D. Program Sub-Committee
 1992-1993 Faculty Executive Committee;
 Subcommittee of Comm. on Academic Personnel and Merit, Member
 Faculty Compensation Sub-Committee; Ph.D. Program Sub-Committee

University of California, Los Angeles

- 1991-1992 Faculty Executive Committee;
Subcommittee of Comm. on Academic Personnel and Merit, Member
Faculty Compensation Sub-Committee; Ph.D. Program Sub-Committee
- 1990-1991 Grievance Committee
Faculty Compensation Sub-Committee
Subcommittee of Comm. on Academic Personnel & Merit, Member
- 1989-1990 Admissions Committee
Doctoral Program Subcommittee
Instructional Resources Subcommittee
Faculty Compensation Sub-committee
Subcommittee of Comm. on Academic Personnel and Merit, Member
- 1988-1989 Admissions Committee
Doctoral Program Subcommittee
Subcommittee of Comm. on Academic Personnel and Merit, Member

University of Wisconsin

- 1986-1988 Animal Research Care Committee (IACUC) – (administration and enforcement
of Federal and State Policy on animal research, approval of protocols)
NIH-Minority Research Apprentice Program

School of Nursing

- 1987-1988 Academic Resources Committee
Graduate Program Committee
RN Portfolio Review Committee
Faculty Senate-Alternate
- 1986 Academic Resources Committee
Graduate Program Committee
Pathophysiology Sub-Committee
RN Portfolio Review Committee
Research Curriculum Sub-Committee
- 1985 Academic Resources Committee
Graduate Program Committee
Memorial Resolution Sub-Committee
Pathophysiology Sub-Committee
RN Portfolio Review Committee
Research Curriculum Sub-Committee
- 1984 Undergraduate Program Committee
100-200 Level Course Subcommittee
RN Portfolio Review Committee

PROFESSIONAL AND COMMUNITY SERVICE

Community Organizations/Committee (Professional Representation)

<u>Years</u>	<u>Role</u>	<u>Committee/Organization</u>
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2018-2022	Member	UNM Comprehensive Cancer Center, Board
2019- Present	Member	Society for Toxicology
2019- Present	Member	Systems Dynamics Society
2018-23	Member	Geneva Foundation, Scientific Advisory Board
2017- Present	Member	University of Evansville, Alumni Board of Trustees
2017-19	Member	Council for the Advancement of Nursing Science (CANS), program committee
2014-16	Chair	American Academy of Nursing (AAN), Ethics Committee
2013-18	Member	American Psychological Association (APA), National Electronic Resources Advisory Committee (ERAC)
2001- 10	Charter Member	State of Maryland, Governor's Board of Spinal Cord Injury Research – Administers the MD State legislative call and budget allocations for research related to Spinal Cord Injury
2001-03	Chair, By-Laws Committee	Sigma Theta Tau, JHU Chapter
2000-05	Member	Health for Humanity International, Allied Professions Committee
2000- 07	Charter Member	Researchers Against Sedentary Diseases (SeDs)
1994- 97	Member	American College of Sports Medicine, National Committee on Ethics & Professional Conduct
1998- 03	Chair	American College of Sports Medicine, National Committee on Eth and Professional Conduct
1991- 97	Executive Board	National Women's Political Caucus, San Fernando Valley Chapter
1995- 97	Treasurer	National Association of Investment Clubs (NAIC), VIP Chapter
1996- 97	Board Member	Los Angeles Baha'i Medical and Health Services
1993	Session Chair	American College of Sports Medicine, Annual Meeting, Session, Chair Cellular Physiology & Skeletal Muscle
1990- 94	Committee Chair	American Society for Gravitational and Space Biology, Long Range Planning Committee

EDUCATION ACTIVITIES: Courses taught

Uniformed Services University of the Health Sciences (USU)

<u>Years</u>	<u>Number</u>	<u>Name of Course</u>	<u>Level</u>	<u>Role</u>
2003-06, 2008-10, 2012 -18	800	Philosophy of Science	Ph.D.	Prof.
2003-09; 2015-18	882	Proposal Development and Grantsmanship	Ph.D.	Prof.
2003	51122	Theoretical Foundations for Military and Federal Health Research	MSN	Faculty
2003-2018		Independent Studies	Ph.D.	Prof.
2004	51132	Statistical Measures and Analytic Methods to Build Evidence for Military and Federal Health Care/Practice	MSN	Faculty
2004	81104	Nursing Science Specific to Federal Health and Military Nursing Seminar	Ph.D.	Faculty
2004-10, 2013-17	81112	Professional Issues in Scholarship	Ph.D.	Prof.
2005-17	90303	Dissertation Seminar	Ph.D.	Prof
2005-06	83303	Adaptive Complex Systems	Ph.D.	Prof.
2005	82303B	Thermal Physiology	Ph.D.	Prof.
2005	82303B	Biochemistry	Ph.D.	Faculty
2005		Rat Histopathology and Use in Research	Ph.D.	Prof.
2005		Male Reproductive Physiology in Prostate Cancer	Ph.D.	Prof.
2006		Administrative Nursing Practicum	Ph.D.	Faculty
2006		Intro. To Computational Modeling	Ph.D.	Prof.
2006		Computational Modeling II	Ph.D.	Prof.
2007		Computational Modeling III	Ph.D.	Prof.
2007		Computational Modeling IV	Ph.D.	Prof.
2006		The Utility of Animal Models for Obesity Research	Ph.D.	Prof.
2007		Exercise Physiology	Ph.D.	Prof.
2006-16		Dissertation	Ph.D.	Prof.
2007-08		Laboratory Methods Practicum	Ph.D.	Prof.
Course Development				
2005, 2017		Dissertation Seminar	Ph.D.	
2004, 2018		Professional Issues in Scholarship	Ph.D.	
2004		Adaptive Complex Systems	Ph.D.	

2006, 2016

Computational Modeling 1-IV

Ph.D.

Johns Hopkins University

<u>Years</u>	<u>Number</u>	<u>Name of Course</u>	<u>Level</u>	<u>Role</u>
1997	100.800	Philosophy Perspectives in Health	Ph.D.	Lectures
1997-98	100.802	Scientific Perspectives in Nursing II	Ph.D.	Lectures
1998	100.898	Independent Study: NMDA Receptors	Ph.D.	Prof.
1998-99	100.801	Scientific Perspectives in Nursing I	Ph.D.	Lectures
1998-03	100.499	Skeletal Muscle Research	BSN	Prof.
1998-99, 2001	100.813	Physiologic & Biologic Nursing Research I	Ph.D.	Prof.
1998-99	100.890	Dissertation Seminar	Ph.D.	Prof.
1998-99		Doctoral Forum	Ph.D.	Prof.
1999	100.309	Research Process in Nursing	BSN	Lecture
1998- 03		Int'l Dimensions, University of Göteborg, Sweden	BSN	Prof.
1999- 02	100.604	Patient Care Management	MSN	Lecture
2000-03	100.899	Dissertation Research	Ph.D.	Prof.
2000		Discipline & Science of Nursing; Parameters /Determinants of Human Health	DNSc	Co-Prof.

Course Development:

1998		Physiologic & Biologic Nursing Research I	Ph.D.	Prof.
1999		Dissertation Defense Policy & Procedures	Ph.D.	Prof.

University of California, Los Angeles

1988-89	N423A/B/C	Clinical Medical Surgical Nursing	Grad	Team
1989-94	N209B	Human Responses to Illness	Grad.	Prof.
1989-96	N105	Human Physiology	Undergrad	Prof.
1990	N227	Nursing's Role in the Health-Illness Cont.	Grad	Prof
1990-97	N199	Independent Study	Undergrad	Prof.
1991-95	N597/599	Research Dissertation	Ph.D.	Prof.
1992	N216	Critical Care Nursing & Program Curriculum Development	Grad.	Coord.
1993-96	N596	Directed individual study & research	Ph.D.	Prof.
1994	N204	Nursing Research	Grad	Team
1994-95	N423	Critical Care Nursing & Program Curriculum Development	Grad	Team

1994-97	N299A	Ethics	Ph.D.	Prof.
1995-97	N230	Human Physiology & Program Curriculum Development	Grad	Prof.
1996-97	N231	Cell Physiology & Program Curriculum Development	Grad	Prof.

University of Wisconsin- Madison

1984-86	N101	Introduction to Nursing	Undergrad.	Prof.
1984-86	N102	Nursing as a Process	Undergrad	Team
1985	N775	Biological Factors Influencing Patient Mobility	Grad	Prof.
1985-86	N790	Master's Thesis	Grad	Prof.
1985-86	N799	Independent Study	Grad	Prof.
1985	N747	Clinical Practicum - Functional Area	Grad	Prof.
1986-88	N699	Independent Study	Grad	Prof.
1986-88	N811	Physiological Basis of Nursing Practice	Grad	Prof.
1987-88	N301	Health History & Patient Assessment	Undergrad	Team
1987-88	N590	Contemporary Practices in Nursing	Grad	Prof.

I certify that this curriculum vitae is a current and accurate statement of my professional record.



Date: 1/29/24