

Janeen M. Hill, Ph.D.
Dean, Crean College of Health & Behavioral Sciences
Chapman University

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Education

Ph.D. University of New Mexico, Exercise Physiology, 1988

Post-Doctoral Fellowship: University of California, Davis, Cardiovascular Medicine, 1988-1991

B.A. University of Utah, History, 1973

Academic Progression

Professor, Chapman University, 2006 to present

Associate Professor, Chapman University, 2002-2006

Assistant Professor, Chapman University, 1997-2002

Assistant Research Physiologist, University of California, Davis, 1991-1997

Administrative Positions (Chapman University)

Dean, Crean College of Health & Behavioral Sciences, 2014 to present

Dean, Schmid College of Science & Technology, 2011 to 2014

Senior Associate Dean, Schmid College of Science & Technology, 2008-2011

Associate Dean, Wilkinson College of Letters and Sciences, 2005-2008

Chair, Department of Biological Sciences, 2002-2005, 2006-2008

Director, Human Performance Laboratory, 2001-2002

Chair, Department of Kinesiology, Chapman University, 2000-2002

Academic Leadership Responsibilities

Vision

5-Year Strategic Goal and Plan Document, Crean College of Health and Behavioral Sciences, 2014

10-Year Strategic Initiatives Task Force, Crean School of Health and Life Sciences, 2010

2-Year Science Vision Task Force, Creating an Independent College of Science, 2007

5-Year Academic Strategic Initiatives for Faculty Governance, 2005

Budget Oversight and Development

Operating Budgets and Endowment, Legacy, Direct and Indirect Funds, Crean College of Health and Behavioral Sciences, 2014 to present

5-year Financial Modeling for Graduate Professional Programs, 2014 to present

Operating Budgets and Endowment, Legacy, Direct and Indirect Funds, Schmid College of Science and Technology, 2011-2014

Schools, Departments, Programs

Responsible for 3rd Largest College with Graduate and Undergraduate Programs on Two Campuses, Crean College of Health and Behavioral Science, 2014 to present

Responsible for 5th Largest College with Graduate and Undergraduate Programs, Schmid College of Science and Technology, 2011-2014

Responsible for Graduate Programs in Wilkinson College of Letters and Sciences, 2005-2008

Responsible for accreditation documents to CAPTE, COAMFTE, CAATE, CAAASL, ARC-PA, 2012-present.

Curriculum Development

Transfer Articulation Agreement between Irvine Valley Community College and Crean College of Health and Behavioral Sciences, 2016

Transfer Articulation Agreement between Saddleback Community College and Schmid College of Science and Technology, 2013

4+1 Bridge Programs between B.S. Health Sciences and Doctor of Physical Therapy, M.S. Health and Strategic Communications, M.S. Food Science, 2012

Regional University Bridge Program between B.S. Health Sciences and Western University of Health Sciences, 2012

Regional University Articulation between Schmid College of Science and Technology and KECK Graduate Institute of Life and Applied Sciences, 2011

Interdisciplinary Programs (B.S. Health Sciences, B.S. Environmental Science and Policy, B.S. Biochemistry), 2011

Physical Plant

Planning and development of Rinker Health Science Campus, including the current 166,000 square feet instructional space for graduate health science programs, 2012 to present

Initial planning and development of the Center for Science and Technology with 140,000 square feet for undergraduate instruction and faculty research, 2011-2013

Planning and remodeling of Crean Hall with 60,000 square feet for undergraduate health and behavioral science programs, faculty research, and a community mental health clinic, 2009-2010

Faculty and Staff

Responsible for hiring, development, tenure and promotion, evaluation of tenure track and tenured faculty and all staff associated with Crean College of Health and Behavioral Sciences (2014 to present) and Schmid College of Science and Technology (2011 to 2014).

Developed with faculty tenure and promotion guidelines, promotion guidelines for instructional faculty, and promotion guidelines for clinical faculty (2008, 2012, 2104).

Faculty Governance (Chapman University)

President of the Faculty, 2004-2005
President of the Senate Executive Board, 2004-2005
Vice-President of the Faculty, 2003-2004
Vice-President of the Senate Executive Board, 2003-2004
Chair, Student Standards Committee, 2003-2004
Chair, Community Council, 2003-2004
Senator, University Faculty Senate, 2001-2002

Major University Service (Chapman University)

Major University Activities

Member Vice President Marketing and Strategic Communications
Member Core “Rebranding University” Committee, 2017-2018
Administrator of 360° Performance Review, Dean of Wilkinson College of Arts,
Humanities and Social Sciences, 2015
Author, White Paper: “Why Health Sciences at Chapman University”, 2012
Member, Western Association of Schools and Colleges Accreditation (WASC) Self-
Study Steering Committee, 2004-2005 and 2012-2014
Member, WASC Self-Study Undergraduate Research Group, 2011-2013
Author, Biological Sciences 10-year Program Review, 2011
Member, Medical School Feasibility Study Committee, 2011 and 2013
Primary Author, Phi Beta Kappa Application, 2009 and 2012
Author, Science Strategic Vision Document, 2007
Chair, Science Advisory Task Force, 2006-2007
Coordinator, University-wide Undergraduate Peer-Advising Program, 2006-2007
Member, University Advising Task Force, 2005-2007
Member, Budget Council, 2001-2003
Member, Graduate Studies Committee, 1998-2001

Administrator Search Committees

Member, VP Marketing and Strategic Communications, 2017
Chair, VP Research Chapman University, 2016
Chair, Dean of the College of Performing Arts, 2014-2015
Chair, Dean of Wilkinson College of Humanities and Social Sciences, 2008-2009
Member, Vice Chancellor for Enrollment Management, 2007-2008
Chair, Provost Chapman University, 2005-2006

Board of Trustees

Ad hoc Member, Board of Trustees, 2004-2005
Ad hoc Member, Academic Committee, 2004-2005
Faculty Representative, Budget Committee, 1998-1999

External Funding

W.M. Keck Foundation, Undergraduate Education Grant, PI, \$1M, 2014-2019

Allergan Foundation, Undergraduate Biochemistry and Computational Sciences Programming Grant, PI, \$300,000, 2012-2014
National Science Foundation, "CPATH CB: Supporting None-CISE Majors in a Computing Community, CO-PI (Award No. IIS-0722209), \$85K, 2007-2008
Parsons Foundation, Teaching Equipment and Space Renovation Grant for Anatomy and Physiology Labs, \$150,000, 2007-2008
American Lung Association Research Grant, "Are Low pO₂ and High pCO₂ Stimuli to Phrenic Afferent Fibers?" \$47,000, 2001-2003
American Heart Association Grant-in-Aid, "Sensory Fibers Stimulated by Diaphragmatic Fatigue", \$100,000, 1997-2000
American Heart Association Research Grant, "Spinal Neuromodulators of the Exercise Pressor Reflex, \$47,500, 1990-1992

External Committees/Service

Nicholas Academy, Guest Lecturer, 2016
Organizing Member, Women's Health Policy Research Summit, 2015-2016
Servite High School, Leadership Board Chair, 2016
Servite High School, Governance Sub-Committee, Chair, 2015
Orange County Women's Health Policy Council, Member, 2016 to present
Servite High School, School Advisory Board, 2012 to present
Orange County Technology and Energy, Biomedical Device Sub-committee Member, 2012-2014

Honors and Professional Societies

American Association for the Advancement of Science, 2007 to present
American Physiological Society, 1991 to present
Phi Beta Kappa, 1972 to present
Phi Kappa Phi, 1972 to present
Mortar Board, 1972 to present

Publications (Peer Reviewed):

1. Hill, J.M. and M.P. Kaufman. Attenuation of the reflex pressor and ventilatory responses to static contraction by intrathecal opioids. Journal of Applied Physiology, 68(6): 2466-2472, 1990.
2. Hill, J.M., L.E. Meuli, and D.M. Crist. Aberrant melatonin secretion: a possible factor in the etiology of exercise-induced secondary amenorrhea. Annals of Sports Medicine, 5(1): 12-18, 1990.
3. Crist, D.M. and J.M. Hill. Diet and insulin-like growth factor-1 in relation to body composition in women with exercise-induced hypothalamic amenorrhea. Journal of American College of Nutrition, 9(6): 200-204, 1990.

4. Rotto, D.M, J.M. Hill, and M.P. Kaufman. Cyclooxygenase blockade attenuates the responses of group IV muscle afferents to static contraction. American Journal of Physiology (Heart and Circulatory Physiology), 259:H745-H750, 1990.
5. Hill, J.M. and M.P. Kaufman. Attenuation of reflex pressor and ventilatory responses to muscular contraction by intrathecal opioids. Journal of Applied Physiology, 68(6): 2466-2472, 1990.
6. Hill, J.M. and M.P. Kaufman. Attenuating effects of intrathecal clonidine on the exercise pressor reflex. Journal of Applied Physiology, 70(2): 516-122, 1991.
7. Hill, J.M. and M.P. Kaufman. Intrathecal serotonin attenuates the pressor response to static contraction. Brain Research, 550:157-160, 1991.
8. Parrish, M.D, J. M. Hill, and M.P. Kaufman. Cardiovascular and respiratory responses to static exercise in the newborn kitten. Pediatric Research, 30(1): 95-99, 1991.
9. Stebbins, C.L., A. Ortiz-Acevedo, and J.M. Hill. Spinal vasopressin modulates the reflex cardiovascular responses to static contraction. Journal of Applied Physiology, 72(2): 731-738, 1992.
10. Hill, J.M., J.G. Pickar, and M.P. Kaufman. Attenuation of reflex pressor and ventilatory responses to static contraction by a selective NK-1 receptor antagonist. Journal of Applied Physiology, 73(4): 1389-1395, 1992.
11. Hill, J.M., J.G. Pickar, M.D. Parrish, and M.P. Kaufman. Effect of hypoxia on the discharge of groups III and IV muscle afferents in the cat. Journal of Applied Physiology, 73(6): 2524-2529, 1992.
12. Pickar, J.G., J.M. Hill, and M.P. Kaufman. Stimulation of vagal afferents inhibits locomotion in mesencephalic cats. Journal of Applied Physiology, 74(1): 103-110, 1993.
13. Sinoway, L.I., J.M. Hill, J.G. Pickar, and M.P. Kaufman. Effects of contraction and lactic acid on the discharge of group III muscle afferents. Journal of Neurophysiology, 69(4): 1053-1059, 1993.
14. Pickar, J.G., J.M. Hill, and M.P. Kaufman. Dynamic exercise stimulates group III muscle afferents. Journal of Neurophysiology, 71(2): 753-760, 1994.
15. Hill, J.M., J.G. Pickar, and M.P. Kaufman. Blockade of non-NMDA receptors attenuates the reflex pressor response to static contraction. American Journal of Physiology (Heart and Circulatory Physiology), 266:H1769-H1776, 1994.

16. Wong, M.K.C., J.M. Hill, and M.P. Kaufman. Cardiovascular responses to stimulation of non-NMDA receptors in the superficial laminae of the cat spinal cord. Brain Research, 683: 149-152, 1995.
17. Adreani, C.M., J.M. Hill, and M.P. Kaufman. Intrathecal blockade of both NMDA and non-NMDA receptors attenuates the exercise pressor reflex in cats. Journal of Applied Physiology, 80(1): 315-322, 1996.
18. Hill, J.M., C.M. Adreani, and M.P. Kaufman. Muscle reflex stimulates sympathetic post-ganglionic efferents innervating the triceps surae muscles of cats. American Journal of Physiology (Heart and Circulatory Physiology), 40: H38-H43, 1996.
19. Adreani, C.M., J.M. Hill, and M.P. Kaufman. Responses of groups III and IV afferents to dynamic exercise. Journal of Applied Physiology, 82(6): 1811-1817, 1997.
20. Beyear, C.A., J.M. Hill, and M.P. Kaufman. Substance P potentiates the pressor response to microinjection of L-glutamate into laminae I and II of the cat dorsal horn. Brain Research, 759: 175-179, 1997.
21. Beyear, C.A., J.M. Hill, and M.P. Kaufman. Effect on airway caliber of stimulation of the hypothalamic locomotor region. Journal of Applied Physiology, 84(4): 1388-1394, 1998.
22. Hill, J.M. and M.P. Kaufman. Central command, but not the muscle reflex, stimulates cutaneous sympathetic postganglionic fibers supplying the hindlimb of cats. American Journal of Physiology (Heart and Circulatory Physiology), 43: H1552-H1559, 1998.
23. Haouzi, P., J.M. Hill, B.K. Lewis, and M.P. Kaufman. Responses of groups III and IV muscle afferent fibers to distension of the peripheral vascular bed. Journal of Applied Physiology, 87(2): 545-553, 1999.
24. Hill, J.M. Discharge of group IV phrenic afferent fibers increases during diaphragmatic fatigue. Brain Research, 856:240-244, 2000.
25. Gee, B.Y., S. Tjen-A-Looi, J.M. Hill, P. Chahal, and J.C. Longhurst. Role of spinal NMDA and non-NMDA receptors in the pressor reflex response to abdominal ischemia. American Journal of Physiology (Regulatory, Integrative, and Comparative Physiology), 282: R850-R857, 2002. (Underlined name is student co-author.)

26. Hill, J.M. Increase in the discharge of muscle spindles during diaphragm fatigue. Brain Research, 918: 166-170, 2001.
27. Hill, J.M. and K.D. Sumida. The effect of two topical counterirritant creams on the pain induced by delayed onset muscle soreness. Journal of Sport Rehabilitation, 11: 202-208, 2002.
28. Sumida, K.D., M.B. Greenberg, and J.M. Hill. Hot gel packs and reduction of delayed-onset muscle soreness 30 minutes after treatment. Journal of Sport Rehabilitation, 12: 221-228, 2003.
29. Sumida, K.D., T. Qureshi, M.J. Catanzaro, S.M. Arimoto, and J.M. Hill. Chronic alcohol consumption yields sex differences in whole-body glucose production in rats. Alcohol and Alcoholism, 39(5): 418-426, 2004. (Underlined names are student co-authors.)
30. Sumida, K.D., J.M. Hill, and A.V. Matveyenko. Sex differences in glucose homeostasis after chronic alcohol consumption in rats. Clinical Medicine and Research, 5(3): 193-202, 2007. (Underlined name is student co-author.)
31. Clark, C. and J.M. Hill. Reconciling the tension between the tenure and biological clocks to increase recruitment and retention of women in academia. Forum on Public Policy, 2010(10): 1-8, September 2010.

Book Chapters (Peer Reviewed):

1. Kaufman, M.P., J.M. Hill, J.G. Pickar, and D.M. Rotto. Response of groups III and IV muscle afferents to mechanical and metabolic stimuli likely to occur during exercise. In: Respiratory Control: Central and Peripheral Mechanisms Eds.: D.F. Speck, M.S. Dekin, W.R. Revelette, and D.T. Frazer, University of Kentucky Press, pp. 120-124, 1993.

Abstracts Published and Presented at Meetings:

1. Hill, J.M., D.M. Crist, R.J. Strassman, and G.T. Peake. Abnormal melatonin secretion with athletic amenorrhea. Western Society for Clinical Investigation, 1987.
2. Hill, J.M. and M.P. Kaufman. Intrathecal (D-ala²)-met-enkephalinamide attenuates the reflex autonomic responses to static muscular contraction. International Congress of Physiological Sciences Proceedings of the International Union of Physiological Sciences XVII, p. 1498, 1989.
3. Hill, J.M. and M.P. Kaufman. Intrathecal clonidine attenuates the reflex pressor and ventilatory responses to static muscular contraction. Federation of American Societies for Experimental Biology, FASEB Journal, 4:A427, 1990.

4. Hill, J.M., J.G. Pickar, and M.P. Kaufman. The effects of hypoxia on the discharge of groups III and IV muscle afferents. Federation of American Societies for Experimental Biology, FASEB Journal, 5:A384, 1991.
5. Sinoway, L.I., J.M. Hill, J.G. Pickar, and M.P. Kaufman. Effects of lactic acid on the discharge of group III muscle afferents in cats. Federation of American Societies for Experimental Biology, FASEB Journal, 6:A1342, 1992.
6. Hill, J.M., J.G. Pickar, and M.P. Kaufman. Attenuation of reflex pressor and ventilatory responses to static contraction by selective NK-1 receptor antagonist. Federation of American Societies for Experimental Biology, FASEB Journal, 6:A1340, 1992.
7. Pickar, J.G., J.M. Hill, and M.P. Kaufman. Vagal afferent stimulation inhibits exercise in mesencephalic cats. Federation of American Societies for Experimental Biology, FASEB Journal, 6:A1339, 1992.
8. Pickar J.G., J.M. Hill, and M.P. Kaufman. Responses of group III muscle afferents to dynamic exercise. Integrative Biology of Exercise Symposium, The Physiologist 35(4): 239, 1992.
9. Pickar, J.G., J.M. Hill, and M.P. Kaufman. Locomotion stimulates group III muscle afferents. Integrative Biology of Exercise Symposium, The Physiologist, 36(4): A-21, 1993.
10. Wong, M.K., J.M. Hill, and M.P. Kaufman. Cardiovascular responses to stimulation of non-NMDA receptors in the superficial laminae of the dorsal horn. Federation of American Societies for Experimental Biology, FASEB Journal. 1994.
11. Adreani, C.M., J.M. Hill, and M.P. Kaufman. Role of NMDA and non-NMDA receptors in the spinal transmission of the exercise pressor reflex. Society for Neuroscience, 1994.
12. Hill, J.M., C.M. Adreani, and M.P. Kaufman. Muscle reflex increases discharge of sympathetic efferents, Society for Neuroscience, 1995.
13. Beyear, C.M., J.M. Hill, and M.P. Kaufman. Substance P potentiates pressor response to L-glutamate microinjection into superficial laminae of L7 dorsal horn. Integrative Biology of Exercise, 1996.
14. Hill, J.M., C.M. Beyear, and M.P. Kaufman. Central command increase discharge of skin sympathetic efferents. Integrative Biology of Exercise, 1996.

15. Hill, J.M. Diaphragmatic fatigue stimulates group III afferents. Federation of American Societies for Experimental Biology, FASEB Journal, 1998.
16. Hill, J.M. Spindle discharge during diaphragmatic fatigue. Medicine and Science in Sports and Exercise, 31(5): S167, 1999.
17. Coombs, M., L. Booth, J.M. Hill. Impulse activity of phrenic efferent fibers is not increased by rhythmic diaphragmatic contractions. Federation of American Societies for Experimental Biology, Spring 2000. (Underlined names are students.)
18. Olivera, M., C. Fliedner, N. Carlson, and J.M. Hill. Vibration applied to fatigued muscle induces cramps. Southwest American College of Sports Medicine, Fall, 2002. (Underlined names are students.)
19. Sumida, K.D., T. Qureshi, M.J. Cantanzaro, J.M. Hill. Chronic alcohol consumption and gender: differential effects on blood glucose and blood alcohol levels after ethanol administration. Federation of American Societies for Experimental Biology, Spring 2003. (Underlined names are students.)
20. Krzeminski, T., D. Hohman, and J.M. Hill. Acute effects of whole body vibration on the stretch reflex. American College of Sports Medicine Southwest Chapter, Fall 2003. (Underlined names are students.)