

Curriculum Vitae: Karen Gellman

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Education

2001 Ph.D. Cornell University, Graduate School, Field:Veterinary Medicine, Study topic: locomotion bio-mechanics, Dissertation: *The role of the head and neck in equine locomotion*
1995 D.V.M. Cornell University, College of Veterinary Medicine
1979 A.B. Cornell University, College of Arts and Sciences

Post-Graduate Clinical Training

2015-2018 Herbal studies with Dr. Steve Marsden
1999 Veterinary Acupuncture, Colorado State University, I.V.A.S. certified 2000
1998 Special Seminar in Physical Therapy for Athletic Animals, Cornell Veterinary Medicine
1996 Veterinary Chiropractic, American Veterinary Chiropractic Association

Honors and Grants

2013 American Holistic Veterinary Medicine Foundation: Normal neutral posture and abnormal compensatory posture; investigating their significance and response to an integrative therapeutic intervention in horses, \$ 40,360
1999 National Science Foundation Award: Differential Muscle Function in Locomotion: the Equine Forelimb as a Model System of "Gearing" in Running Gaits. \$175,000, wrote grant.
1997 Travers Research Award: The Role of the Spine in Equine Locomotion, \$5,000, wrote grant.
1995 Duke Physiology Prize, Cornell Veterinary Medicine.
1993 Physiology Departmental Research Award, *Research in sensory physiology with Dr. E. Loew.*
1993 NIH Training Award, Cornell Veterinary Medicine, *Research in exercise physiology with Dr. D. Ainsworth.*
1992 Leadership Training Program, Cornell Veterinary Medicine, *Research in molecular biology*
1992 Graduate Research Assistantship, Cornell Veterinary Medicine

Teaching and Invited Talks

2013-2019 Program director and primary instructor: Equine Postural Rehabilitation, professional CE for Danish Veterinary Chiropractic Association, Copenhagen, Denmark.
2008-2019 Cornell University, College of Agriculture and Life Sciences. Lecturer, ALS 1140 Explorations in Biological Research and Health Professions, a seminar course in which didactic instruction or laboratory exercises are combined with guest speakers (researchers and clinicians) to explore career options in biology.
1997-2019 Cornell Summer College. Director of two educational programs for high school seniors: Explorations in Biological Sciences and Health Professions (see course description above), Research Apprenticeship in Biological Sciences (RABS). RABS was created by Dr. Gellman in 2000 to provide an opportunity for gifted and motivated students to experience the life of a biomedical research scientist.
2015 Featured speaker: Postural Rehabilitation. International Veterinary Chiropractic Association, Annual General Meeting and Conference, Berlin, Germany, 2015. Sole instructor for 3 day course.

- 2015 Featured speaker: Equine Holistic Therapies, Principles of Acupuncture for Horses, Why Should You Care About Posture. New York State Association Veterinary Technicians, annual conference, Saratoga Springs, NY.
- 2006-2014 Postural Rehabilitation, Maximum Horsepower LLC. Program director and primary instructor for veterinary continuing education courses covering biomechanics, static and dynamic structure and function of the musculoskeletal system, neurophysiology and clinical applications of postural control.
- 2014 Invited speaker: "Making Postural Changes Through Hoof Trim", Cornell Farrier Conference, Cornell University, Ithaca, NY.
- 2014 Featured speaker: "Normal and Abnormal Equine Posture", American Holistic Veterinary Medical Association annual conference, Portland OR (full day program).
- 2012 Keynote Speaker: "Living with Gravity: Posture and Life on Earth", International Veterinary Acupuncture Society Annual Congress, Galway, Ireland.
- 2011 Invited Lectures: Posture and Dental Occlusion, Functional Occlusion. Internationale Gesellschaft zur Funktionsverbesserung der Pferde, Nienderhausen, Germany
- 2010 Featured speaker: Postural Rehabilitation. Wild West Veterinary Conference, Reno, NV
- 2010 Lecture: Living with Gravity, Posture and Life on Earth. Chautauqua Institution, NY
- 2010 Invited Lecture: Posture and Dental Occlusion, International Association of Equine Dentists
- 2007 Invited Lecture: Posture and Dental Occlusion, American Veterinary Dental Forum
- 2003 Tufts Veterinary College. Instructor for veterinary continuing education course, developed course materials: Neurology, Structure and Function of the Head and Neck, Locomotion Biomechanics.
(Teaching 1989-2001 available on request)

Employment

- 1999-2019 Cornell Summer College, Program Director: Research Apprenticeship in Biological Sciences (RABS), Explorations in Biological Research and Health Professions.
- 2008-2019 The Wellness Center for Pets, private practice, specializing in integrative treatment for dogs and cats (www.ithacapetwellness.com).
- 1996-2019 Equine Sports Medicine, private practice, specializing in performance medicine for horses (www.equinesportsmed.com).
- 2004-2006 Examining veterinarian, Finger Lakes Racetrack, Farmington, NY.
Laboratory work in molecular biology and physiology 1991-1999 available on request

Publications

- In Press: Gellman K. "CBD Everywhere!" *Innovative Veterinary Care Journal*, Fall 2019 issue.
- Gellman KS, Dayon SE. Holistic Management for Breeders", *Integrative Veterinary Care Journal*, Winter 2017/ 2018 issue, pp 12-18.
- Gellman, KS, Ruina A, "Equilibrium posture, and its stability, of a 2D standing horse" *in preparation*.
- Gellman KS, Shoemaker, JM, Reese, EM. "Why should you care about standing posture?", *in preparation*.
- Gellman, KS, Shoemaker, JM, Reese, EM. "Postural Evaluation in Horses", *Integrative Veterinary Care Journal*, Winter 2014/ 2015 issue, pp 40-44.
- Gellman, KS. "Normal and Abnormal Equine Posture", *Integrative Veterinary Care Journal*, Winter 2014/ 2015 issue, pp 44-47.
- Gellman KS, Shoemaker JM. Living with Gravity: Posture and the Stomatognathic System. Proceedings, American Veterinary Dental Forum, October 2007.

Gellman KS, Bertram JEA. The equine nuchal ligament 1: structural and material properties. *Veterinary Comparative Orthopaedics and Traumatology* 2002; 15:1-6.

Gellman KS, Bertram JEA. The equine nuchal ligament 2: passive dynamic energy exchange in locomotion. *Veterinary Comparative Orthopaedics and Traumatology* 2002; 15:7-14.

Gellman KS, Bertram JE, Hermanson JW. Morphology, Histochemistry and Function of Epaxial Cervical Musculature in the Horse (*Equus caballus*). *Journal of Morphology* 251:182-194 (2002).

Haussler KK, Bertram JE, Gellman K, Hermanson JW. Segmental *in vivo* vertebral kinematics at the walk, trot and canter: a preliminary study. *Equine Vet J Suppl.* 2001 Apr; (33):160-4.

Haussler KK, Bertram JE, Gellman K, Hermanson JW. Dynamic analysis of *in vivo* segmental spinal motion: An instrumentation strategy. *Veterinary Comparative Orthopaedics and Traumatology* 2000;

Robertshaw-D; Rawson-R; Harper-B; Gellman-K; Maldonado-P; Harris-K. Cutaneous arteriovenous anastomoses remain closed during exercise. *FASEB-Journal*. [print] March 15, 2000; 14 (4):A322.

Gellman KS, Bertram JEA; Hermanson JW. The role of the head and neck during equine locomotion. (Abstract) *American-Zoologist*. 1999; 39 (5): 105A.

Gellman, KS An integrated approach to diagnosing and treating back pain in horses. (Invited speaker, Abstract) *Proceedings of the Conference on Equine Sports Medicine and Science (CESMAS 1998)*.

Lay Publications and Presentations

In Press: "Equine CBD and you" *Equine Wellness Magazine*, Fall 2019

"Biomechanics of the Horse-Rider Dyad", *Equine Wellness Magazine*, 2018

"Abnormal Equine Posture: How rehabilitation intervention can help." *Equine Wellness Magazine*, 2016.

"Normal and Abnormal Equine Posture: How Postural Rehabilitation Intervention can help", *Natural Horse Magazine*, Volume 17(4): 47-49, 2016

"Three big blunders many horse owners make that put their athletic partners at risk for chronic lameness or career ending injury!" various horse clubs, 2015

"A Stress-free Way to Trim Your Dog's Nails", *Dogs Naturally Magazine*, January 2015 (Currently has 280,000 shares)

"Make a Change in your Hoof Care", co-authored with Dr. J. M. Shoemaker, *Holistic Horse*, 2013, 84: 20-22

Series on canine posture, co-authored with Dr. J. M. Shoemaker, in AKC Canine Health Foundation newsletter, starting December 2011. February 2013, Part 2, "Feet on the Ground" awarded first prize in "health in newsletter" category by Dog Writers Association of America

"Living with Gravity", featured speaker with Elizabeth Reese at national Centered Riding Symposium, October 2009

What you must know about Equine Posture, in [The Ultimate Horse Lover](#), Health Communications Inc., publication date, November 2008.

"Living with Gravity" *Equine Affaire* 2007 (premiere equine industry trade show), Columbus, Ohio.