

BIOGRAPHICAL SKETCH

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NAME Fredric E. Gerr		POSITION TITLE Professor	
eRA COMMONS USER NAME (credential, e.g., agency login)			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Clark University, Worcester, MA	B.A.	1978	Chemistry (Cum Laude)
SUNY Medical School, Stony Brook, NY	M.D.	1982	Medicine
Tufts University Medical School, Baystate Medical Center, Springfield, MA	Intern and resident	1982-1985	Internal Medicine
Mount Sinai Medical Center, New York, NY	Resident	1985-1987	Occup and Environ Medicine
Mount Sinai Medical Center, New York, NY	Charles A. Dana Fellow	1988-1990	Environ and Occup Epidemiol

A. Positions and Honors.

Professional Positions

- 1987-1988 Assistant Professor, SUNY at Stony Brook, Division of Occupational Medicine, Department of Community and Preventive Medicine, Stony Brook, NY
- 1988-1990 Instructor, The Mount Sinai School of Medicine, Division of Environmental and Occupational Medicine, Department of Community Medicine, New York, NY
- 1990-1991 Assistant Professor, The Mount Sinai School of Medicine, Division of Environmental and Occupational Medicine, Department of Community Medicine, New York, NY
- 1991-1995 Assistant Professor, Emory University, Rollins School of Public Health, Department of Environmental and Occupational Health, Atlanta, GA
- 1993-2002 Adjunct Senior Research Scientist, Georgia Tech Research Institute, Georgia Institute of Technology, Atlanta, GA
- 1995-2001 Associate Professor, Emory University, Rollins School of Public Health, Department of Environmental and Occupational Health, Atlanta, GA
- 1997-2002 Director, Occupational and Environmental Medicine Residency Program, Emory University, Rollins School of Public Health, Atlanta, GA
- 1999-2002 Director, Occupational and Environmental Medicine Consultation Program, The Emory Clinic, Emory University, Atlanta, GA
- 2001-2002 Professor, Emory University, Rollins School of Public Health, Department of Environmental and Occupational Health, Atlanta, GA
- 2002-present Professor, Department of Occupational and Environmental Health, The University of Iowa College of Public Health, Iowa City, IA
- 2007-present Director, Occupational Medicine Residency Program, The University of Iowa College of Public Health, Iowa City, IA

Awards and Other Professional Activities

- 1992-present Contributing Editor, American Journal of Industrial Medicine
- 1992-present Voting Member ANSI/NSC Z-365 Committee for Control of Cumulative Trauma Disorders
- 2000 Elected to Delta Omega Honorary Society
- 2002-present Editorial Board Member, NeuroToxicology

B. Selected Peer-Reviewed Publications.

1. Gerr F, Letz R. Vibrotactile threshold testing in occupational health: A review of current issues and limitations. *Environmental Research*, **60**:145-159, 1993.
2. Gerr F, Letz R, Harris-Abbott D, Hopkins LC. Sensitivity and specificity of vibrometry for detection of carpal tunnel syndrome. *Journal of Occupational and Environmental Medicine*, **37**:1108-1115; 1995.
3. Herbert R, Gerr F, Luo J, Harris-Abbott D, Landrigan PJ. Peripheral neurologic abnormalities among roofing workers: Sentinel case and clinical screening. *Archives of Environmental Health*, **50**:349-354; 1995.
4. Marcus M, Gerr F. Upper extremity musculoskeletal symptoms among female office workers: Associations with VDT use and occupational psychosocial stressors. *American Journal of Industrial Medicine*, **29**:161-170; 1996.
5. Gerr F, Marcus M, Ortiz D. Methodological limitations in the study of video display terminals and upper-extremity musculoskeletal disorders. *American Journal of Industrial Medicine*, **29**:649-656; 1996.
6. Ortiz DJ, Marcus M, Gerr F, Jones W, Cohen S. Measurement variability in upper extremity posture among VDT users. *Applied Ergonomics*, **28**:139-143; 1997.
7. Gerr F, Letz R. The sensitivity and specificity of tests for carpal tunnel syndrome vary with the comparison subjects. *Journal of Hand Surgery (British and European Volume)*, **23B**:151-155; 1998.
8. Stokes L, Letz R, Gerr F, Kolczak M, McNeill FE, Chettle DR, Kaye WE. Neurotoxicity in young adults 20 years following childhood lead exposure: the Bunker Hill experience. *Occupational and Environmental Medicine*, **55**:507-516; 1998.
9. Rempel DM, Evanoff B, Amadio PC, de Krom M, Franklin G, Franzblau A, Gray R, Gerr F, Hagberg M, Hales T, Katz JN, Pransky G. Consensus Criteria for the Classification of Carpal Tunnel Syndrome in Epidemiologic Studies. *American Journal of Public Health*, **88**: 1447-1451; 1998.
10. Gerr F, Marcus M. Risk factors for carpal tunnel syndrome. *Archives of Internal Medicine*, **159**:1008-1009; 1999. (Letter to the Editor)
11. Deitchman S. Gerr F. Re: Yoga for carpal tunnel syndrome. *JAMA*. **281**:2087-8, 1999. (Letter to the Editor)
12. Herbert R, Gerr F, Dropkin J. Clinical evaluation and management of work-related carpal tunnel syndrome. *American Journal of Industrial Medicine*, **37**:62-74; 2000.
13. Gerr F, Ortiz D, Marcus M, White B, Jones W, Cohen S, Gentry E, Edwards A, Bauer E. Computer users' postures and associations with workstation characteristics. *American Industrial Hygiene Association Journal*, **61**:223-230; 2000.
14. Letz R, Gerr F, Cragle D, Green RC, Watkins J, Fidler AT. Residual neurologic deficits 30 years after occupational exposure to elemental mercury. *NeuroToxicology*, **21**:459-474; 2000.
15. Gerr F, Letz R, Ryan PB, Green RC. Neurological effects of environmental exposure to arsenic in dust and soil among humans. *NeuroToxicology*, **21**:475-488; 2000.
16. Gerr F, Letz R. Clinical diagnostic tests for carpal tunnel syndrome. *The Journal of Hand Surgery (American Edition)*, **25**:778; 2000. (Letter to the Editor)
17. Gerr F, Mani L. Work-related low back pain. *Primary Care: Clinics in Office Practice*. **27**:865-875; 2000.
18. Mani L, Gerr F. Work-related upper extremity musculoskeletal disorders. *Primary Care: Clinics in Office Practice*. **27**:845-864; 2000.
19. Gerr F, Letz R. Epidemiological case definitions of peripheral neuropathy: Experience from two neurotoxicity studies. *NeuroToxicology*. **21**:761-768; 2000.
20. Gerr F, Letz R, Green R. Relationships between quantitative measures and neurologist's rating from physical examination for tremor and standing steadiness in two epidemiological studies. *NeuroToxicology*. **21**:753-760; 2000.
21. Frumkin H, Letz R, Williams PL, Gerr F, Pierce M, Sanders A, et al. Health effects of long term mercury exposure among chloralkali plant workers. *American Journal of Industrial Medicine*, **39**:1-18; 2001.
22. Gerr F, Marcus M, Ensor C, Kleinbaum D, Cohen S, Edwards A, Gentry E, Ortiz DJ, Monteilh C. A prospective study of computer users: I. Study design and incidence of musculoskeletal symptoms and disorders. *American Journal of Industrial Medicine*, **41**:221-235; 2002.

23. Marcus M, Gerr F, Monteilh C, Ortiz DJ, Gentry E, Cohen S, Edwards A, Ensor C, Kleinbaum D. A prospective study of computer users: II. Postural risk factors for musculoskeletal symptoms and disorders. *American Journal of Industrial Medicine*, **41**:236-239; 2002.
24. Gerr F, Marcus M, Monteilh C. Aerobic exercise, median nerve conduction, and the reporting of study results [letter to the Editor]. *Journal of Occupational and Environmental Medicine*, **44**:303; 2002.
25. Gerr F, Letz R, Stokes L, Chettle D, McNeill F, Kaye W. Associations between bone lead concentration and blood pressure in young adults. *American Journal of Industrial Medicine*, **42**:98-106; 2002.
26. de la Paz MP, Philen RM, Gerr F, Letz R, Arroyo MJF, Vela L, Izquierdo M, Arribas CM, Borda IA, Ramos A, Mora C, Matesanz G, Roldán MT, and Pareja J. 2003. Neurological Outcomes of Toxic Oil Syndrome Patients Eighteen Years after the Epidemic. *Environ Health Perspectives*, **111**:1326-34; 2003.
27. Gerr F, Marcus M, Monteilh C. Epidemiology of musculoskeletal disorders among computer users: Lessons learned from the role of posture and keyboard use. *Journal of Electromyography and Kinesiology*. **14**:25-31; 2004.
28. Gerr F, Zwering C. Point of View. *Spine*. **29**:77; 2004.
29. Gerr F, Marcus M, Monteilh C, Hannan L, Ortiz D, Kleinbaum D. A randomized controlled trial of postural interventions for prevention of musculoskeletal symptoms among computer users. *Occupational & Environmental Medicine*. **62**:478-487; 2005.
30. Anton D, Rosecrance JC, Gerr F, Merlino LA, Cook T. Effect of concrete block weight and wall height on electromyographic activity and heart rate of masons. *Ergonomics*. **48**:1314-1330; 2005.
31. Hannan L, Monteilh C, Gerr F, Kleinbaum D, Marcus M. Job strain and risk of musculoskeletal symptoms among a prospective cohort of occupational computer users. *Scand J Work Environment and Health*. **31**:375-386; 2005.
32. Brewer S, Van Erg D, Amick BC, Irvin E, Daum K, Gerr F, Moore JS, Cullen K, Rempel D. Workplace Interventions to Prevent Musculoskeletal and Visual Symptoms and Disorders among Computer Users: A Systematic Review. *Journal of Occupational Rehabilitation*. **16**:325-358; 2006.
33. Gerr F, Monteilh C, Marcus M. Keyboard use and musculoskeletal outcomes among computer users. *Journal of Occupational Rehabilitation*. **16**:265-278; 2006.
34. Anton D, Rosecrance J, Gerr F, Reynolds J, Meyers A, Cook TM. Effect of aviation snip design and task height on upper extremity muscular activity and wrist posture. *Occupational & Environmental Hygiene*. **4**:99-113; 2007.
35. Fethke N, Anton D, Cavanaugh J, Gerr F, Cook TM. Bootstrap Exploration of the Duration of Surface Electromyography Sampling in Relation to the Precision of Exposure Estimation. *Scandinavian Journal of Work, Environment and Health*. **33**:358-67; 2007.
36. Garg A, Gerr F, Katz JN, Marras W, Silverstein B. Low back pain and the workplace. *JAMA*. **298**:403-404, 2007.
37. Gerr F. Surveillance of work-related musculoskeletal disorders. *Occupational & Environmental Medicine*. **65**:298-299; 2008
38. Nonnenmann MW, Anton D, Gerr F, Merlino L, Donham K. Musculoskeletal symptoms of the neck and upper extremities among Iowa dairy farmers. *American Journal of Industrial Medicine*. **51**:443-451; 2008.
39. Rempel D, Gerr F. Intensive keyboard use and carpal tunnel syndrome: comment on the article by Atroshi et al. *Arthritis Rheum*. **58**:1882-3; 2008.
40. Gerr F, Marcus M Yes, the "one-handed" scientist lacks rigor--why investigators should not use causal language when interpreting the results of a single study. *American Journal of Industrial Medicine*. **51**:795-6; 2008.
41. Dartt A, Rosecrance J, Gerr F, Chen P, Anton D, Merlino L. Reliability of Assessing Upper Limb Postures among Workers Performing Manufacturing Tasks. *Applied Ergonomics*, in press, 2008.

Research Support

ONGOING

U19 OH008868-03 (Merchant)

09/01/06-08/31/11

USDHHS/CDC

Healthier Workforce Center for Excellence

The goal of this project is to assess the effectiveness, efficiency, and health-related quality of life effects of several disease management and health promotion introduced to employees at several companies for which Wellmark Blue Cross Blue Shield is the claims administrator.

T42/OH008491-03 (Zwerling)
CDC/NIOSH

07/01/00-06/30/13

Occupational Safety and Health Training Grant - Education and Research Center (ERC)
Heartland Center for Occupational Safety and Health

The major goal of the Center will be to provide graduate training, continuing education and outreach in occupational safety and health to serve Federal Region VII (IA, KS, MO, NE).

Occupational Medicine Residency Program (Director)
NORA Research Support (Director)

R01 ES013067-03 (Gerr)
NIEHS

09/01/05-08/31/09

Neurological Outcomes Among Pesticide Applicators

The aims of the proposed investigation are to examine associations between cumulative lifetime exposures to specific organophosphate and carbamate pesticides and the sum of all OP pesticides and carbamate pesticide and performance on neurological and neurobehavioral tests while controlling for effects of known covariates.

U50 OH007548-08 (Sanderson)
CDC/NIOSH

09/30/01-09/30/11 (continuation of center begun 09/30/90)

Great Plains Center for Agricultural Health

To conduct multidisciplinary research; to develop and evaluate novel disease and injury prevention models and outreach intervention programs in Federal Region VII; to train health professionals; to provide technical assistance and consultation to Federal Region VII; and to maintain and strengthen linkages with agricultural health and safety professions in the state, the region, nationally, and internationally.

Keokuk County Rural Health Study (Co-Investigator)

COMPLETED

R01 OH007945-04 (Gerr)
NIOSH

09/01/03-08/31/08

Prospective Study of UEMSD and Physical Job Stressors
Role: Principal Investigator

U54 OH08307-03 (Stafford)

08/01/04-06/30/09

Center to Protect Workers Rights

Masonry Ergonomics Best Practices. Effectiveness of Interventions for Overhead Work.

The purpose of this 5-year research program is improve interventions designed to reduce musculoskeletal disorders among the masonry trades

Role: Co-PI for subcontract