

## **PETER BELLIN**

### **EDUCATIONAL BACKGROUND**

- |      |                                                                                                    |
|------|----------------------------------------------------------------------------------------------------|
| 1975 | Brandeis University, Waltham MA<br>BA (Biology), June 1975                                         |
| 1979 | Harvard School of Public Health, Boston, MA<br>MS (Industrial Hygiene / Air Pollution), June 1979  |
| 1989 | University of California, Los Angeles, Los Angeles, CA<br>Ph.D. (Industrial Hygiene), October 1989 |

### **WORK EXPERIENCE**

- |                |                                                                                                                                                                                                               |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1990 – present | <b>PROFESSOR</b><br>California State University, Northridge<br><br>Associate Professor, 1990 – 2000<br>Professor, 2000 – present<br>Chair, Department of Environmental and Occupational Health, 2001 to 2005. |
| 1989 – 1990    | <b>INDUSTRIAL HYGIENIST</b><br>ENSR Corporation, Camarillo, CA                                                                                                                                                |
| 1985 – 1989    | <b>STAFF RESEARCH ASSOCIATE, GRADUATE STUDENT</b><br>UCLA, Los Angeles, CA                                                                                                                                    |
| 1981 – 1989    | <b>INDUSTRIAL HYGIENIST</b><br>Workers' Institute for Safety and Health, Washington, DC                                                                                                                       |
| 1979 – 1981    | <b>INDUSTRIAL HYGIENE COMPLIANCE OFFICER</b><br>Arizona Division of Occupational Safety and Health,<br>Phoenix, AZ                                                                                            |

### **PROFESSIONAL SERVICE**

Past President, Southern California AIHA  
Former Board member, Southern California AIHA  
Former Chair, Emerging Issues Committee, AIHA  
Former Chair, Social Concerns Committee, AIHA  
Accreditation Site Visitor, ABET (Industrial Hygiene programs)  
Science Fair Judge, Ventura County Science Fair  
Science Fair Mentor

THOMAS H. HATFIELD

Department of Environmental and Occupational Health  
California State University  
Northridge, CA 91330  
(818) 677-4708 (work)  
(661) 299-4579 (home)

E D U C A T I O N

Dr.P.H.	U.C.L.A. Environmental Policy and Management	1985
M.P.H.	U.C.L.A. Environmental and Occupational Health	1978
B.S.	STANFORD UNIVERSITY Biological Sciences	1976

E X P E R I E N C E

CALIFORNIA STATE UNIVERSITY, NORTHRIDGE Department of Health Sciences Environmental and Occupational Health Program Department Chair		2005-present
Full Professor		1996-present
Associate Professor		1991-1996
Assistant Professor		1988-1991
Lecturer		1983-1985
UNIVERSITY OF KUOPIO, FINLAND Department of Environmental Sciences Environmental Risk Analysis Adjunct Professor (Docent)		1994-present
UNIVERSITY OF OKLAHOMA College of Public Health Department of Environmental and Occupational Health Assistant Professor		1985-1988
SOUTHERN CALIFORNIA ASSOCIATION OF GOVERNMENTS Hazardous Waste Management Project Administrative Assistant		1984-1985
U.C.L.A. Environmental and Occupational Health Teaching Assistant		1981-1983
ORANGE COUNTY ENVIRONMENTAL HEALTH DIVISION Orange County, California Registered Environmental Health Specialist		1980-1981
NATIONAL SANITATION FOUNDATION Lodi, California Regional Representative		1978-1980

## P U B L I C A T I O N S

J. Schillinger, O. Seiver, T. Hatfield, "Responding to Mold Complaints: Lessons from the Field," California Bulletin for Environmental Health Specialists, 2005.

O. Seiver, T. Hatfield, J. Schillinger, "The High Cost of Mold: Impacts on Environmental Health and the Economy;" California Bulletin for Environmental Health Specialists, 2004.

T. Hatfield, J. Schillinger, O. Seiver, "Health Effects from Mold – Evaluating the Current Evidence," California Bulletin for Environmental Health Specialists, 2003.

O.H. Seiver and T.H. Hatfield, "The Question of Mold: A Risk Communication Nightmare," California Bulletin for Environmental Health Specialists, 2003.

Hatfield T.H. and O.H. Seiver, "Preferences of Environmental Health Professionals Towards Grading Systems for Retail Food Facilities," Journal of Environmental Health, 2002.

Hatfield T.H., **Risk Analysis for Environmental and Occupational Health Professionals** (textbook), National Environmental Health Association, 2001

Seiver O.H. and T.H. Hatfield,  
"Foot and Mouth Disease: A Risk Communication Perspective"  
California Journal of Environmental Health, 2001.

Seiver O.H. and T.H. Hatfield,  
"The Determination of Thresholds of Environmental Significance in  
the Application of the California Environmental Quality Act  
(CEQA)" California Faculty Fellows, April 2001.

Hatfield T.H. and O.H. Seiver,  
"Preference Reversals for Grading Systems of Retail Food  
Facilities," Journal of Environmental Health, April 2001.

Seiver O., Hatfield T., "Inconsistent Perceptions of Grading  
Systems for Retail Food Facilities," Published Proceedings,  
National Sanitation Foundation, *In Press*.

Seiver O.H. and T.H. Hatfield,  
"Grading Systems for Retail Food Facilities: A Risk Based  
Analysis," Journal of Environmental Health 63(3):22-27, 2000.

Hatfield T.H., "Distance Learning: A White Paper," published by  
the National Environmental Health Science & Protection  
Accreditation Council," April 12, 2000.

Hatfield T.H., "Model Curriculum Development," published  
by National Environmental Health Science & Protection  
Accreditation Council, National Food Safety Conference, Phoenix  
Arizona, April 12, 2000.

Phillips D.A. and T.H. Hatfield,  
"A Listserv for Student Members of NEHA,"  
Journal of Environmental Health, 1999.



Hatfield T.H. and G.W. Erbeck,  
"The Internet: Legitimate Educational Tool  
or Giant Electronic Sandbox?"  
Journal of Environmental Health 59(8):19-39, 1997.

Juutilainen J., Hatfield T., and E. Laara  
"Evaluating Alternative Exposure Indices in Epidemiologic Studies on ELF Magnetic Fields,"  
Bioelectromagnetics 17(2):138-143, 1996.

Hatfield T.H., "Surfing the Web,"  
Environmental News Digest 14-17,  
Spring-Summer 1995.

Hatfield T.H.,  
"Environmental Health Databases on the World Wide Web,"  
Journal of Environmental Health 57(10):30-33, June 1995.

Robinson C.L. and T.H. Hatfield,  
"Labeling of Microbial Risks,"  
Journal of College Science Teaching 24(6):407-409, 1995.

Hatfield T.H.,  
"Environmental Health Bulletin Board Systems and Databases,"  
Journal of Environmental Health 57(5):30-31, 1994.

Hatfield T.H., "Computers and Environmental Health,"  
Journal of Environmental Health 57(3):33-34, 1994.

Hatfield T.H.,  
"A Risk Communication Taxonomy for Environmental Health,"  
Journal of Environmental Health 56(8):23-28, 1994.

Hatfield T.H. and D. Ott,  
"Measuring Source Reduction of Laboratory Hazardous Wastes,"  
Journal of Environmental Health 56(3):7-10, 1993.

Hatfield T.H.,  
"Electronic Mail Strategies for Environmental Health,"  
Journal of Environmental Health 56(1):35-37, 1993.

Hatfield T.H., "The Failure of Sanitarians,"  
Journal of Environmental Health 53(5):23-25, 1991.

Hatfield T.H.,  
"Strength of Preference and Risky Utility:  
An Empirical Study of Hazardous Waste Facility Siting,"  
In: Proceedings of the 1988 Annual Meeting of the  
Society for Risk Analysis, Plenum Press, 1991.

Hatfield T.H.,  
"Contaminated Communities: The Social and  
Psychological Impacts of Residential Toxic Exposure,"  
Journal of Environment and Behavior 22(5):715-16,  
September 1990.



Hatfield T.H.,  
"Risk Factors and Non-Differential Misclassification,"  
American Journal of Public Health 80(8):1000-1001,  
August 1990.

Hatfield T.H.,  
"Restaurant Inspections May Not Predict Outbreaks of Foodborne  
Illness," American Journal of Public Health 79(12):1678,  
December 1989.

Hatfield T.H.,  
"A Formal Analysis of Attitudes Toward Siting A Hazardous Waste  
Incinerator," Journal of Environmental Management 29:73-81, 1989.

Davos C. and T.H. Hatfield,  
"Hazardous Waste Facility Siting:  
Large Group Attitudes Towards Uncertainty,"  
Environmental Professional 9(2):153-164, 1987.

Davos C. and T.H. Hatfield,  
"Hazardous Waste Facility Siting: Large Group Value Analysis,"  
Environmental Professional 9(1):10-26, 1987.

Hatfield T.H. and L. Schierow,  
"Risk Assessment and Ground Water Pollution from  
Agricultural Chemicals,"  
In: Proceedings of a National Symposium on Agricultural Chemicals and  
Ground Water Pollution Control, Larry Canter, ed., pp. 183-190,  
June 1987.

Davos C. and T.H. Hatfield,  
"Siting a Hazardous Waste Incinerator: Attitudes and Results of a  
Questionnaire," Town Hall Reporter 18(5):7-8, May 1985.

Carr J., Hatfield T.H. et al.,  
(Southern California Hazardous Waste Management Project),  
A Consumer's Guide to Hazardous Waste,  
Southern California Association of Governments,  
February 1985.

(UCLA Group Project funded by Southern California Edison),  
"Environmental Concerns and Regulatory Strategies for Wind Energy  
Development, Volume 1: Regulatory Strategies,"  
UCLA Report No. 83-48, December 1982.

## P R E S E N T A T I O N S

Hatfield, T.H., Seiver, O.H., "An Evaluation of Restaurant Grading Systems in Local Agencies, Society for Risk Analysis, December 2000.

Seiver O., Hatfield T., "Inconsistent Perceptions of Grading Systems for Retail Food Facilities," Presentation at the Second NSF International Conference of Food Safety, October 2000.

Hatfield T.H., "Risks and Decision Making," presentation at University of Kuopio, Finland, October 1999.

Hatfield T.H., "Risk Information in Decision Making," presentation at Third Annual Finnish Conference on Environmental Science, October 1999.

"Graduate Programs in Environmental Health and Trends in Risk Analysis," California Environmental Health Association (Mission Chapter), March 1997.

"Finnish Sauna, International Environmental Health, and Professional Development," California Environmental Health Association, April 1996.

"The Internet: What it can do for us and how to use it," California Conference of Directors of Environmental Health, September 1995.

"A Risk Communication Taxonomy for Electromagnetic Fields Research," 4th Annual Nordic Meeting on Biological Effects of Electromagnetic Fields, presented in Kuopio, Finland, August 1995.

Interview, Emissio Magazine, Kuopio, Finland, 1994.

"Risk Communication in Disaster Response," Finnish Red Cross, presented in Kuopio, Finland, August 1994.

(w/ J. Juutilainen et al.) "ELF Magnetic Fields and Adverse Pregnancy Outcomes: An International Research Effort," Bioelectromagnetics Society, presented in Copenhagen, Denmark, June 1994.

(w/ J. Juutilainen and E. Laara), "An Empirical Evaluation of Alternative Exposure Indices for ELF Magnetic Fields," Bioelectromagnetics Society, June 1993.

"Chernobyl, e-mail, and My Dinner with Andre," Department of Graduate Studies and International Programs California State University, Northridge, March 1993.

"Risk Communication in the Aftermath of Chernobyl," Ukrainian Scientific Center for Environmental Health, presented in Kiev, Ukraine, December 1992.

"Risk Assessment in Environmental Impact Assessments," Finnish National Conference of Environmental Health Professionals, presented in Kuopio, Finland, November 1992.

"The Perils of Industry Risk Assessment," AEM Environmental Consulting Firm, presented in Kuopio, Finland, November 1992.

"Risk Communication: Problems and Strategies," Finnish National Public Health Institute, presented in Kuopio, Finland, November 1992.

"Superleadership, Negotiation, and the Future of Environmental Health," California Environmental Health Association, April 1992.

"Perceived Uncertainty of Risk Labeling," Society for Risk Analysis, December 1991.

(w/ K. Salomone and A. Fisher), "SRA Risk Communication Survey," Society for Risk Analysis, December 1991.

(w/ C. Robinson) "Microbial Risk Labeling," Society for Risk Analysis, December 1991.

"Framing Effects of Risk Labeling," Society for Risk Analysis, October 1990.

"Measuring Risk Attitudes," Health Science Symposium, California State University, Northridge, October 1989.



"Group Comparisons of Attitudes Toward  
Hazardous Waste Facility Siting,"  
American Public Health Association,  
October 1987.

"Current Trends in Risk Analysis," Alumni Day,  
University of Oklahoma, (speaker and coordinator),  
October 1986.

"Public Attitudes Regarding Siting Criteria,"  
Southern California Hazardous Waste Management Project,  
October and December, 1984.

## A W A R D S

### GRANTS

California Faculty Fellows Grant	2000
"The Determination of Thresholds of Environmental Significance in the Application of the California Environmental Quality Act (CEQA)"	
Judge Julian Beck Grant	1996
"A Manual for the Electronic Classroom"	
California Faculty Fellows Grant	1994
"Federal and State Parallelism in Environmental Legislation"	
Fulbright Grant	1992
Visiting Professor, University of Kuopio	
California State University Grant	1990
"Framing Effects of Risk Labeling"	
National Institutes of Health Grant	1988
"Risk Attitudes Toward Environmental Risk Assessments"	

### CONTRACTS

Visiting Professorships, Risk Analysis:	
University of Tampere, Finland	2000
University of Kuopio, Finland	2000
Visiting Professorships, Risk Analysis:	
University of Kuopio, Finland	1997
University of Kuopio, Finland	1995
Tallin Technical University, Estonia	1995
University of Kuopio, Finland	1994
University of Paris VII, France	1992
Consultant, "MTBE in Groundwater"	1993
Neste Oil Company, Helsinki, Finland	
Peer Reviewer, Health Assessment Protocols	1991-present
Agency for Toxic Substances and Disease Registry	
Sanitarian Training Program	1986-1988
Oklahoma Department of Health Services	

### OTHER

National Environmental Health Association:	
Journal Editor's Award	1996, 2001
Presidential Citation	1995
Memoranda of Understanding:	
Ukrainian Scientific Center	1994-present
Kiev, Ukraine	
University of Kuopio, Finland	1993-present
Department of Environmental Science	
Teacher of the Year, University of Oklahoma:	
Department of Environmental Health	1988
College of Public Health	1987

## A D M I N I S T R A T I O N

### UNIVERSITY

Personnel Planning and Review	current
Presidential Advisory Board on Equity and Diversity	1995-1998
Educational Equity	1994-1995
PEWS Mini-roundtable on Higher Education	1993
Distinguished Visitor Program	1990-1991
Emergency Preparedness Advisory Board	1989-1991
Energy Conservation and Management	1988-1989

### COLLEGE (Health and Human Development)

Personnel Committee	1998-2000
Academic Council	1994-1996 1991-1992
Technology Resources	1994-1996 1991-1992

### DEPARTMENT (Health Sciences)

Chair, Personnel Committee	1996-1997
Chair, Curriculum Committee	1994-1996 1991-1992
Chair, Governance Committee	1995-1996
Member, Governance Committee	1992-1995
Search and Screen, Nursing	1995
Post-tenure Review Committee	1991-1992
Advisory Council, Center for Health Promotion and Community Service	1990-present
Committee on Center Reorganization	1990-1991

### PROGRAM (Environmental and Occupational Health)

Director, Environmental and Occupational Health Program	1996-1998
Director, CSUN Risk Communication Forum	1990-present
Advisor, Environmental and Occupational Health Students Association	1991-1993



## PROFESSIONAL

California Registration Board, Environmental Health Specialists	1999-current
Technical Editorial Advisory Board, Journal of Environmental Health	1994-present
Twice Elected to:	
National Accreditation Council for Environmental Health Science and Protection	1993-1998
Chair, Strategic Planning Committee	1994-1995
Graduate Committee	1993-1994
Diplomate, American Academy of Sanitarians	1994
Registered Environmental Health Specialist: State of California	1979-present
Review Committee, General Record Exam	1993
Liaison, Society for Risk Analysis and National Environmental Health Association	1990-1991
California Environmental Health Association Education Committee	1990-1991
National Environmental Health Association	1979-present
Ad hoc Electronic Forum	1998-1999
Environmental Software Review Committee	1998-1999
Database Committee	1993-1994
Hazardous Materials Emergency Management Committee	1988-1989
Society for Risk Analysis: Session Chair, Annual Meeting	1991
Sigma Xi	
Fulbright Association	

## **ANTONIO F. MACHADO, Ph.D.**

### **Department of Environmental and Occupational Health**

#### **EDUCATION**

Ph.D. in Environmental Health Sciences (research in Developmental Toxicology), 2000

**Ruth F. Richards Outstanding Student**

University of California, Los Angeles

Los Angeles, California

Master of Sciences in Environmental and Occupational Health, 1994

**Graduation with Distinction**

California State University, Northridge

Northridge, California

Bachelor of Arts in Biology, 1993

**4.00 G.P.A.**

California State University, Northridge

Northridge, California

#### **PROFESSIONAL HONORS AND AWARDS** (2000-present)

2002 – **Marie W. Taubeneck Award** – for leadership and mentoring of students demonstrated by a graduate student or postdoctoral fellow, awarded by the Teratology Society at the 42<sup>nd</sup> Annual Meeting

2001 - **J.G. Wilson Award** - for most outstanding research presentation by a postdoctoral fellow, awarded by the Teratology Society at the 41<sup>st</sup> Annual Meeting

2000 - **J.G. Wilson Award** - for most outstanding research presentation by a graduate student or postdoctoral fellow, awarded by the Teratology Society at the 40<sup>th</sup> Annual Meeting

2000 - **Postdoctoral Fellowship Award** - University of California Toxic Substances Research and Teaching Program

2000 - **Ruth F. Richards Outstanding Student Award** - Department of Environmental Health Sciences, UCLA

#### **TEACHING EXPERIENCE**

ASST. PROFESSOR, California State University, Northridge, Department of Environmental and Occupational Health, 2002-present

LECTURER, California State University, Northridge, Dept. of Health Sciences, 1999-2002

ASSOCIATE ADJUNCT FACULTY, College of the Canyons, Department of Biology, Santa Clarita, California, 1994-1998 - taught BIO 106, Organismal and Environmental Biology, and BIO 107, Cell and Molecular Biology

TEACHING ASSISTANT, University of California, Los Angeles, Department of Pathology, Los Angeles, California, 1995

TEACHING ASSOCIATE, California State University, Northridge, Department of Biology, Northridge, California - taught Biology Laboratories, 1993-1994

GRADUATE ASSISTANT, California State University, Northridge, Department of Biology, Northridge, California - assisted Professor in teaching on field trips and obtaining materials for Plant Biology, Biology of the Deserts, and Plant Physiology Laboratories, 1993-1994

PRIVATE TUTOR, California State University Northridge - tutored Biology, Physics, Chemistry, Mathematics, Biostatistics, and Microbiology, 1991-1994

HONORARY FACULTY MEMBER, Los Angeles Unified School District - taught laboratory techniques to minority high school students for the King/Drew Medical Magnet, 1985

LABORATORY MANAGER, Neuropharmacology Laboratory, King/Drew Medical Center, Los Angeles, California - developed and taught laboratory techniques to research students - wrote computer programs to teach research procedures, 1983-1986

### **PROFESSIONAL DEVELOPMENT**

Teratology Society Continuing Education Course, *Signaling Pathways and Tissue Interactions in Organ-System Development*, Vancouver, British Columbia, Canada, June 26-27, 2004

Parker, Milliken, Clark, O'Hara, & Samuelian's *Twentieth Annual Seminar on Hazardous Waste Management and the Law*, Los Angeles, CA, May 14, 2004

Teratology Society Continuing Education Course, *Mechanisms, Biomarkers, Data Interpretation: An Integrative Risk Assessment Using Developmental Neurotoxicity as a Model*, Scottsdale, AZ, June 22-23, 2002

Teratology Society Continuing Education Course, *Principles of Teratology: Application of New Technologies Towards Understanding Abnormal Development*, Montreal, Quebec, Canada, June 23-24, 2001



Teratology Society Continuing Education Course, *Signal Transduction: Pathways to Growth, Differentiation, and Morphogenesis*, Palm Beach, FL, June 23-24, 2000

*Applied Teaching Project*, COC, Santa Clarita, CA, March-June, 1996

*Advanced Teaching Workshop*, COC, Santa Clarita, CA, January-March, 1996

*Teaching Skills Workshop*, College of the Canyons (COC), Santa Clarita, CA, September-November, 1995

## **PROFESSIONAL ORGANIZATIONS**

Teratology Society - 2000-present

National Environmental Health Association – 2000-present

Southern California Society of Toxicology – 1994-present

## **PUBLICATIONS**

### **Journal Publications and Invited Reviews:**

- 2006      Leal F, **Machado AF**, Collins MD, Fukuto JM: Metals Inhibit Pax3 DNA Binding via the Redox-active Cysteine Dithiolate in the Paired Domain. *Chem Res Toxicol* (manuscript in final stages of editing as of January 2006 – anticipated submission, February 2006).
- 2003      Martin LM, **Machado AF**, Loza MA, Mao GE, Lee GS, Hovland Jr DN, Cantor RM, Collins MD: The effects of arsenite, maternal age, and embryonic sex on spina bifida, exencephaly, and resorption rates in the splotch mouse. *Birth Defects Research (Part A)* 67:231-239.
- 2003      **Machado AF**, Scott Jr WJ, Collins MD: Reactive oxygen and nitrogen species in the production of congenital malformations by known teratogenic agents and maternal conditions. In: *Signal Transduction by Reactive Oxygen and Nitrogen Species: Pathways and Chemical Principles*, HJ Forman, JM Fukuto, M Torres (eds.), Kluwer Academic Publishers, The Netherlands.
- 2001      **Machado AF**, Zimmerman EF, Hovland Jr DN, Weiss R, Collins MD: Diabetic embryopathy in C57BL/6J mice: altered fetal sex ratio and impact of the splotch allele. *Diabetes* 50(5):1193-9.

- 2001 **Machado AF**, Martin LJ, Collins MD: *Pax3* and the splotch mutations: structure, function, and relationship to teratogenesis, including gene-chemical interactions. *Current Pharmaceutical Design* 7:751-85.
- 2000 Hovland Jr DN, Cantor RM, Lee GS, **Machado AF**, Collins MD: Identification of a murine locus conveying susceptibility to cadmium-induced forelimb malformations. *Genomics* 63(2):193-201.
- 1999 **Machado AF**, Hovland Jr DN, Pilafas S, Collins MD: Teratogenic response to arsenite during neurulation: relative sensitivities of C57BL/6J and SWV/Fnn mice and impact of the splotch allele. *Toxicol Sci* 51(1):98-107.
- 1999 Hovland Jr DN, **Machado AF**, Scott Jr WJ, Collins MD: Differential sensitivity of the SWV and C57BL/6 mouse strains to the teratogenic action of cadmium administered throughout the period of anterior neuropore closure. *Teratology* 60:13-21.
- 1989 Cohn ML, **Machado AF**, Cohn SJ: Low-frequency magnetic field technology: quantifying spinal range of motion. *Arch Phys Med Rehabil* 70(6):455-7.
- 1988 Cohn ML, **Machado AF**, Bier R, Cohn M: Piroxicam and doxepin: an alternative to narcotic analgesics in managing advanced cancer pain. *West J Med* 148(3):303-6.
- 1986 Cohn ML, Huntington CT, Byrd SE, **Machado AF**, Cohn M: Epidural morphine and methylprednisolone: new therapy for recurrent low back pain. *Spine* 11(9):960-3.
- 1986 Cohn ML, Eggerding FA, **Machado AF**, Cohn SJ, Waxman BD, Delaney T: Morphine: sites of action in guanosine nucleoside pathway. *Adv Exp Med Biol* 195 Pt B:47-52.

#### Proceedings of Conferences:

- 1986 Cohn ML, Taube D, **Machado AF**, Cohn M: Hyperthermic responses to thyrotropin releasing hormone and cholera toxin: differential mechanisms of action. In: *Homeostasis and Thermal Stress. Experimental and Therapeutic Advances*. Sixth International Symposium on the Pharmacology of Thermoregulation, KE Cooper, P Lomax, E Schonbaum, W Veale (eds.), Karger, Basel, Switzerland, pp. 148-151.
- 1986 Cohn ML, Cohn SJ, Waxman BD, Delaney T, **Machado AF**: Effect of morphine on cyclic GMP metabolism: a study in rat cerebral cortex and cerebellum. In: *Proceedings of the Conference on Brain Slices*. Louisville Press.



Published Abstracts (Presented at Meeting by First Author)

- 2005 Leal FA, **Machado AF**, Fukuto JM: Mercury, cadmium, zinc and arsenite inhibit Pax3 DNA binding via the paired domain. 44<sup>th</sup> Annual Meeting of the Society of Toxicology, New Orleans, LA, March 6-10, 2005.
- 2004 Marshall E, **Machado AF**, Elsaid AF, Collins MD: The impact of *Pax3* and *Cystathionine Beta Synthase* mutations on arsenic induced birth defects. *Birth Defects Research* 70(5):253.
- 2003 Martin LM, **Machado AF**, Loza MA, Mao GE, Lee GS, Hovland Jr DN, Cantor RM, Collins MD: Sex differences in response to arsenic and advanced maternal age in a C57BL/6J splotch heterozygote cross. *Teratology* 67(6):289.
- 2002 **Machado AF**, Marshall E, Collins MD: Arsenite-induced neural tube defects: impact of *Pax3* and *cystathionine  $\beta$ -synthase* mutations. *Teratology* 65(6):296.
- 2001 **Machado AF**, Collins MD: Pax3: control of DNA binding by redox status, metals and nitrogen oxide species. *Teratology* 63(6):244.
- 2001 Martin LJ, Loza MA, **Machado AF**, Collins MD: Arsenic-induced neural tube defects in a C57BL/6J splotch heterozygote cross. *Teratology* 63(6):249.
- 2000 **Machado AF**, Zimmerman EF, Hovland Jr DH, Weiss R, Collins MD: Diabetic embryopathy: Impact of the splotch allele. *Teratology* 61(6):437.
- 1999 Hovland Jr DN, Lee SG, **Machado AF**, Collins MD: Genetic control of the differential sensitivities of the SWV and C57BL/6 mouse strains to cadmium-induced teratogenicity. *The Toxicologist* 48(1-S):148.
- 1998 Hovland Jr DN, **Machado AF**, Collins MD: Identification of genetic loci associated with murine strain differences in susceptibility to cadmium-induced limb malformations. *Teratology* 57(4/5):232.
- 1997 **Machado AF**, Hovland Jr DN, Scott WJ, Collins MD: Teratogenic responses to cadmium and arsenite: relative sensitivity of C57BL/6 and SWV mice. *Teratology* 55(1):40.
- 1987 Cohn ML, **Machado AF**, Cohn M: Objective evaluation of therapeutic outcome for chronic low-back pain. 112th Annual Meeting of the American Neurological Association, San Francisco, California, October 19-21.



- 1987 Cohn ML, **Machado AF**, Cohn M: Palliation of chronic low-back pain in the peripheral afferent nervous system: clinical evidence in support of a new hypothesis. Meeting of the International Society for the Study of the Lumbar Spine, Rome, Italy, May 24-28.
- 1987 Cohn ML, **Machado AF**, Cohn M: Quantification of spinal range of motion using low-frequency magnetic field technology. 1987 Annual Meeting of the Western USA Pain Society, Palm Springs, California, April 30 - May 2.
- 1987 Cohn SJ, **Machado AF**, Cohn ML: Action of morphine on cyclic GMP metabolism in rat cerebral cortex and cerebellum. Twenty-Eighth National Student Research Forum, University of Texas Medical Branch, Galveston, Texas, April 10-12.
- 1986 Cohn ML, Cohn SJ, Waxman B, Delaney T, **Machado AF**: Guanosine nucleoside metabolism: action of morphine compared in rat cerebral cortex and cerebellum. Society for Neuroscience 1986 Annual Meeting, Washington D.C., November 9-14.
- 1986 Cohn ML, Huntington CT, Chaumette M, **Machado AF**, Cohn M: Management of chronic low back pain with epidural morphine and methylprednisolone: a significant step forward. III World Conference on Clinical Pharmacology and Therapeutics, Stockholm, Sweden, July 27 - August 1.
- 1986 Cohn ML, **Machado AF**, Cohn M: Doxepin and piroxicam: a nonnarcotic alternative for treating cancer pain. III World Conference on Clinical Pharmacology and Therapeutics, Stockholm, Sweden, July 27 - August 1.
- 1986 Cohn ML, Cohn SJ, Waxman BD, Delaney T, **Machado AF**: Effect of morphine on cyclic GMP metabolism: a study in rat cerebral cortex and cerebellum. Conference on Brain Slices, University of Louisville, Louisville, Kentucky, June 4-6.
- 1986 Cohn ML, Huntington CT, **Machado AF**, Cohn M: Epidural morphine and Depo-Medrol: an effective, noninvasive therapy for recurrent low back pain. International Society for the Study of the Lumbar Spine Annual Meeting, Dallas, Texas, May 28 - June 2.
- 1986 Cohn ML, **Machado AF**, Cohn M (Sponsor: Chillar RK): Nonnarcotic management of cancer pain. American Society of Clinical Oncology Annual Meeting, Los Angeles, California, May 4-6.

- 1986 Waxman B, **Machado AF**, Delaney T, Cohn ML: Morphine and enkephalins: similarities of action on cyclic GMP metabolism. Minority Bioscience Research Support Program Annual Meeting, New Orleans, Louisiana, April 17-19.
- 1985 Cohn ML, Huntington CT, Byrd SE, **Machado AF**, Cohn M: Outcome of epidural morphine and Depo-Medrol: criticalness of patient selection. American Pain Society, Fifth Annual Meeting, Dallas, Texas, October 17-20.
- 1985 Cohn ML, Taube D, **Machado AF**, Cohn M: Hyperthermic responses to thyrotropin releasing hormone and cholera toxin: differential mechanisms of action. Pharmacology of Thermoregulation, Sixth International Symposium, Jasper Lodge, Alberta, Canada, August 25-30.
- 1985 Cohn ML, Eggerding FA, **Machado AF**, Cohn SJ, Waxman BD, Delaney T: Morphine: sites of action in guanosine nucleoside pathway. Human Purine and Pyrimidine Metabolism, Fifth International Symposium, San Diego, California, July 29 - August 1.
- 1985 Cohn ML, Huntington CT, Byrd SE, **Machado AF**, Cohn M: Epidural morphine and Depo-Medrol: patient selection. Western USA Pain Society, Sixth Annual Meeting, Lake Tahoe, Nevada, May 9-11.
- 1985 Roberts GA, **Machado AF**, Burroughs GJ, Carr DM: *In vitro* sister chromatid exchanges induced by lysergic acid diethylamide in Chinese hamster diploid cell line. Tenth Annual Biological Sciences Undergraduate Research Conference, University of Santa Clara, California, May 4.
- 1985 Cohn ML, **Machado AF**, Fernandez G, Cohn M: Cyclic GMP metabolism in rat brain: morphine and enkephalin effects compared. American Society for Pharmacology and Experimental Therapeutics, Anaheim, California, April 21-26.
- 1985 Cohn SJ, **Machado AF**, Cohn ML: Morphine: actions on cyclic GMP metabolism. Twenty-Sixth Annual National Student Research Forum, University of Texas Medical Branch, Galveston, Texas, April 10-12.
- 1984 **Machado AF**, Roberts GA, Burroughs GJ, Carr DM: Mutagenic effect of lysergic acid diethylamide on inbred Chinese hamster bone marrow cells. Twelfth Annual Minority Biomedical Research Support Symposium, Washington, D.C., April 10-13.
- 1984 Roberts GA, **Machado AF**, Burroughs GJ, Carr DM: *In vitro* sister chromatid exchanges induced by lysergic acid diethylamide in Chinese hamster diploid cell line. Twelfth Annual Minority Biomedical Research Support Symposium, Washington, D.C., April 10-13.



**John E. Schillinger, Ph.D**

Professor of Environmental & Occupational Health  
Department of Environmental & Occupational Health  
California State University, Northridge  
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Degrees Held:      Ph.D., Environmental Health Sciences, 1982  
                            The University of Michigan  
                            Ann Arbor, MI

M. S. Microbiology (Environmental Health), 1973  
B. S. Microbiology, 1971  
Montana State University  
Bozeman, MT

Professional Credential:

Registered Environmental Health Specialist, State of California

Relevant Experience:

2002-present	Professor, Environmental and Occupational Health Department of Environmental and Occupational Health
2000-2002	Professor, Environmental and Occupational Health Department of Health Sciences
1986-2000	Associate Professor, Department of Health Sciences.
1982-1986	Assistant Professor, Department of Health Sciences.
1978-1981	Teaching Assistant, School of Public Health, The University of Michigan, Ann Arbor, MI.
1973-1978	Assistant Research Microbiologist, Research on water quality and bacterial survival at the Dept. of Microbiology, Montana State University, Bozeman, MT.

## Publications:

- Schillinger, J.E., O Seiver, and T Hatfield. 2005. Responding to Mold Complaints: Lessons From the Field. California Environ. Health Bulletin Accepted for Publication.
- Seiver, O., T. Hatfield, and J. E. Schillinger. 2004. The High Cost of Mold: Impacts on Environmental Health and the Economy. California Environ. Health Bulletin 3(4): 4-5, Winter.
- Hatfield, T., J. E. Schillinger, and O. Seiver. 2004. Health Effects From Mold – Evaluating the Current Evidence. California Environ. Health Bulletin 3(2): 10-11, Fall.
- Bellin, P. and J. E. Schillinger. 2001. Comparison of field performance of the Andersen N6 single stage and the SAS sampler for airborne fungal Propagules. Indoor Air. 11:65-68.
- Schillinger, J. E., T. Vu, and P. Bellin. 1999 Airborne fungi and bacteria: background levels in office buildings. Jour. of Environ. Health 62:9-14.
- Ryan, V. H., J. E. Schillinger and D. Kelly. 1990. A testing of Los Angeles and Orange County ticks for the presence of the Lyme Disease agent *Borrelia burgdorferi*. Cal. Jour. Env. Health. 13:3-6.
- Schillinger, J. E. and J. J. Gannon. 1985. Bacterial adsorption and suspended particles in urban stormwater. J. Water Pollut. Control Fed. 57:384-389.
- Gannon, J. J., M. K. Busse and J. E. Schillinger. 1983. Fecal coliform disappearance in a river impoundment. Water Res. 17:1595-1601.
- Zaske, S. K., W. S. Dockens, J. E. Schillinger and G. A. McFeters. 1980. New methods to assess bacterial injury in water. Appl. Environ. Microbiol. 39:656-658.
- Evans, T. M., J. E. Schillinger and D. G. Stuart. 1978. Rapid determination of bacteriological water quality by using *Limulus* lysate. Appl. Environ. Microbiol. 35:376-382.
- Stuart, D. G., G. A. McFeters and J. E. Schillinger. 1977. Membrane filter technique for the quantification of stressed fecal coliforms in the aquatic environment. Appl. Environ. Microbiol. 34:42-46.
- Stuart, S. A., G. A. McFeters, J. E. Schillinger and D. G. Stuart. 1976. Aquatic indicator bacteria in the high alpine zone. Appl. Environ. Microbiol.



31:163-167.

Walter, W. G. and J. E. Schillinger. 1974. Bacterial survival in laundered fabrics. Appl. Microbiol. 29:368-373.

Memberships in Professional Organizations:

- 1974-Present Sigma Xi, The Scientific Research Society
- 1972-Present American Society for Microbiology
- 1978-Present National Environmental Health Association
- 1982-Present Southern California Section, American Society for Microbiology
- 1982-Present California Environmental Health Association
- 1990-Present American Association for the Advancement of Sciences
- 1994-Present International Association for Food Protection

Presentations at Professional Meetings:

Presented Paper "Airborne Fungi and Bacteria in Several Office Structures" at National Environmental Health Association Annual Conf., Los Vegas, June 30, 1998.

Presented Workshop at American Industrial Hygiene Southern California Section Meeting, "Microbiological Sampling in Relation to Indoor Air Quality", Los Angeles, March 13, 1998.

Professional Training in Indoor Air Quality and Bioaerosols:

- 2006 AIHA Teleweb Conference, Expert Witness Testimony: Practical Applications for Mold Case Law and Depositions, July 10, Northridge, CA.
- 2004 Advanced Perspectives in Mold Prevention and Control: Pre-Conference Workshop, "Verification Testing, How Clean is Clean?", Nov 7, Las Vegas, NV.

- 2004 Advanced Perspectives in Mold Prevention and Control Symposium, Nov 7-9, Las Vegas, NV.
- 2004 AIHA Teleweb Seminar: Environmental Mold: Case Studies, June 16, Northridge, CA.
- 2004 AIHA Teleweb Seminar: Environmental Mold:, Legal, Insurance, Legislative, and Regulatory Aspects, Feb 11, Northridge, CA.
- 2003 UC Berkely Extension/EM Labs, Inc., Short Course: Interpreting Fungal Data From Indoor Air Quality Investigations, Nov 7, Berkely, CA.
- 2003 Southern California American Society for Microbiology Annual Meeting, Nov 8, San Diego, CA.
- 2003 AIHA Teleweb Seminar: Guidelines for the Assessment of Microbiological Contamination in Indoor Environments, Mar 4, Northridge, CA.
- 2002 Southern California American Society for Microbiology Annual Meeting, Oct 25-26, San Diego, CA.
- 2002 Indoor Air 2002: Ninth International Conference on Indoor Air Quality and Climate, Jun 30-Jul 5, Monterey, CA.
- 2002 Aerias and Air Quality Sciences, Inc, Two Day Technical Course: The Investigation, Management and Remediation of Mold in Buildings, Feb 12-13, Pleasonton, CA.
- 2000 California Environmental Health Association Southern Update: Stepping Into the Future of Environmental Health, Oct 13, San Diego, CA.
- 1999 First NSF International Conference on Indoor Air Health: Impacts, Issues and Solutions, May3-5, Denver, CO.
- 1998 US Environmental Protection Agency Training Course: Sampling for Biological Contamination in Buildings, Jun 17, Los Angeles, CA.
- 1998 California Environmental Health Association, Southern Chapter Workshop: Mold and Other Biotoxins, May 28, City of Commerce, CA.
- 1998 US Environmental Protection Agency Tenth Annual Conference: Indoor Air Pollution, Feb. 25, San Francisco, CA.
- 1997 USC School of Medicine Symposium, Bioaerosols and the Respiratory Health of Southern California Children, April 24, Los Angeles, CA.

- 1995 Orange County American Industrial Hygiene Association Annual Professional Symposium, Indoor Air Quality, Oct. 25, Irvine, CA.
- 1994 American Society for Microbiology Training Workshops, Indoor Air Quality Part I and Part II, May 11, Las Vegas, NV.
- 1993 US Environmental Protection Agency Training Workshop, Orientation to Indoor Air Quality, March 13, Los Angeles, CA.
- 1991 California Air Resources Board and South Coast Air Quality Monitoring District Conference: Health Effects of Air Pollution, Nov 20, Los Angeles, CA.

Contributions to the University:

- 2006-07 Served as Dept Assessment Liaison to College of HHD
- 2005-06 Served on College of HHD Personnel Committee
- 2000 Represented the University at the National Library of Medicines Environmental Health Information Outreach Program Meeting in Tallahassee, FL
- 2003-04 Served as Chair of Personnel Committee for Dept of EOH.  
Served as Co-Chair of Personnel Committee for Dept of Physical Therapy
- 2002-03 Served on Personnel Committee for Dept of EOH.
- 2001-02 Served on Personnel Committee for Dept of EOH.
- 2002 Attended the Association for Service Learning Institute for Southern California, "Unboxing the University" Nov 1-2, Azusa Pacific University, Azusa, CA.
- 2003 Served on the CELT Beck Grant Selection Committee and CELT Advisory Board.

Contributions to the Community:

- 2003-06 Served on the Board of Directors of Pacoima Beautiful
- 2004 Participated in Introductory and 2<sup>nd</sup> Stakeholder Meetings of the Health Education Program of the County of Los Angeles Department of Health Services Public Health Unit.
- 2002 Participated in the USC Workshop Traffic, Toxic Releases and Public

2001

Health: Health Risks of Living Near Sources of Air Pollution.

Participated as Session Coordinator in the Town Hall Meeting “Voices for Healthy Environments, Healthy Communities, Healthy Jobs”, Dec 8, First Church of God, Inglewood, CA.



# **OWEN H. SEIVER**

Department of Health Science  
California State University  
Northridge, CA 91330  
(818) 677-2347 (work)  
(818) 366-2741 (home)

## **EDUCATION**

D.P.A.	U.L.V	1991
	Environmental Policy and Public Administration (Dissertation: "Preventing Environmentally Induced Skin Cancers Through Risk Communication," 1991.)	
M.S.	C.S.U.N.	1974
	Environmental and Occupational Health	
B.S.	C.S.U.N.	1972
	Environmental Health	
A.A.	L.A.V.C.	1970
	Health Science	

## **EXPERIENCE**

### **CALIFORNIA STATE UNIVERSITY, NORTHRIDGE**

Department Of Health Science  
Environmental Health Program

Professor	2001-present
Associate Professor	1993-2001
Assistant Professor	1983-1991
Instructor	1978-1980
Lecturer	1975-1977

### **LOS ANGELES COUNTY**

#### **DEPARTMENT OF ENVIRONMENTAL SERVICES**

Los Angeles County, California

Registered Environmental Health Specialist-	1972-1977
Occupational Health Sanitarian	1975-1977

## **CERTIFICATIONS**

Registered Environmental Health Specialist:	1972-2000
State of California Water Treatment Operator Grade -3	1978
Certified Radiological Monitor. Los Angeles County	1974
Certified Occupational Sanitarian. Los Angeles County	1972
EPA Listed Radon Monitoring	1994

## PUBLICATIONS

J. Schillinger, O. Seiver, T. Hatfield, "Responding to Mold Complaints: Lessons from the Field," California Bulletin for Environmental Health Specialists, 2005.

O. Seiver, T. Hatfield, J. Schillinger, "The High Cost of Mold: Impacts on Environmental Health and the Economy;" California Bulletin for Environmental Health Specialists, 2004.

T. Hatfield, J. Schillinger, O. Seiver, "Health Effects from Mold – Evaluating the Current Evidence," California Bulletin for Environmental Health Specialists, 2003.

O.H. Seiver and TH Hatfield, "The Question of Mold: A Risk Communication Nightmare," California Bulletin for Environmental Health Specialists, 2003.

Seiver, O., Hatfield, T., "Foot and Mouth Disease: A Risk Communication Perspective," California Journal of Environmental Health. 2001.

Hatfield, T., Seiver, Owen H., "Preference Reversals Among Environmental Health Professionals in Grading Systems." Journal of Environmental Health, 2001.

Seiver, Owen H., Hatfield, Thomas H., Thresholds of Significance and Lead Agencies in CEQA., Governors Office of Planning and Research, State of California and Faculty Fellows, 2001.

Seiver, O., Environmental Health Policy and Administration. Environmental Health Accreditation Committee. 2001.

Hatfield T., Seiver, O., "Preference Reversals in Grading Systems for Retail Food Facilities." Journal of Environmental Health, April, 2001

Seiver O., Hatfield T., "Grading Systems for Retail Food Facilities: A Risk Based Analysis," Journal of Environmental Health. October 2000

Seiver, O., Hatfield T., An Evaluation of Restaurant Grading Systems for Retail Food Facilities, "Published Proceedings, National Sanitation Foundation, October 2000

Seiver, O., "Inventory Of Major California Environmental Legislation And Accomplishments Since 1970." Center For California Studies, California State University, Sacramento. May, 1995.

Seiver, Owen H., Kelly, D.K., "Stress Management as an Integral Part of a Public Health Organization," California Journal of Environmental Health. June, 1990.

## **PRESENTATIONS**

**“Risk Communication in Environmental Health”, The China Institute and Center for Partnership and Educational Reform., May 2001**

**“Inconsistent Perceptions of Grading Systems; The Case of Retail Food Facilities,” National Sanitation Foundation Second International Conference, Savannah Georgia, October 2000**

**“An Evaluation of Restaurant Grading Systems in Local Agencies,” The Society For Risk Analysis. December 2000.**

**“Environmental Hazards, From Dark to the Light: Preventing Environmentally Induced Skin Cancers.” Los Angeles County Symposium for School Nurses: Our Health, Our environment, Our Children. May, 2000**

**“The Environmental Occupational Health program at CSUN”. Presented to College of the Canyons Science Counselors. October, 2000**

**“Ultra Violet Light and Skin Cancer, A Risk Assessment.” Sierra Club, Los Angeles Chapter. June, 1992**

**“Preventing Environmentally Induced Skin Cancer through Risk Communication.”, Society For Risk Analysis. December, 1991**

**“Atmospheric Ozone: Can’t Live with It, Can’t Live without It.” Joint Departments of Chemistry, Physics and Biology, Los Angeles Pierce College. October, 1991.**

## **AWARDS**

1989- Meritorious Performance and Professional Promise Award for Excellence in Teaching.

1995- California Faculty Fellows Grant  
“ Inventory of Major California Environmental Legislation and Accomplishments Since 1970”

1998- Nomination for Distinguished Teaching Award

2000- Recipient of Faculty Fellows Grant, “Thresholds of Significance and the California Environmental Quality Act.”



## **ADMINISTRATION AND PROFESSIONAL ORGANIZATIONS**

### **PROFESSIONAL**

National Environmental Health Association Forums Committee	1999-2000
Society For Risk Analysis	1991-2000
Registered Environmental Health Specialist	1971-present
CSUN Risk Communication Forum Co-Director	1991-present
World Wild Life Member	1990-present
American Water Works Association	1983-1990
Mexican-American Border Association	1971-1975

### **UNIVERSITY**

Representative Majors Fair	February, 2000
University Scholarship Committee	1991-present
Scuba Safety Committee	1985-1990

### **COLLEGE**

Academic Council	1992-1994 2000-present
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### **DEPARTMENT**

Chair, Curriculum Committee	2000-present 1992-1994
Search and Screen, Nursing	October, 2000
Chair, Governance Committee	1994-1995
Chair, Search and Screen, EOH	1992
Chair, Post Tenure Review	1995
Search and Screen, P.T.	1986&1996



Beck Scholarship	1986-1991, 1996
Teaching Load Advisory Committee	1990
Facilities Committee	1991
Chair, Computing Committee	1988-1990

## **PROGRAM**

Director, Environmental Health Program,	1983
Co-Director, CSUN Risk Communication Forum	1990-present
Community College Representative College of Canyons Presentation on EOH Program	October, 2000

## **CLASSES**

H.S. 555 Seminar in EOH Standards and Programs
H.S. 554 Seminar in EOH Programs
H.S. 457 Water and Waste Water
H.S. 453 Housing
H.S. 458 Vector Control
H.S 356A and B Environmental Health I and II
H.S 352 Environmental Law, Management and Administration
H.S 353 Fundamentals of Environmental Health
H.S 494 Academic Internships