

**CURRICULUM VITAE**  
**Jack Dwayne Thrasher, Ph.D.**

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**EDUCATION**

California State University, Long Beach, CA. Zool/Chem, B.S., 1959

University of California, School of Medicine, Los Angeles, CA. Human Anatomy/Cell Biology, Ph.D., 1964

**PROFESSIONAL EXPERIENCE**

**1964-1966:** Assistant Professor, Department of Anatomy, School of Medicine, University of Colorado, Denver, CO.

Teaching: Human Anatomy, Histology, Embryology, Physiology and Cell Biology

Research: Cell Biology

**1966-1972:** Assistant Professor, Department of Anatomy, School of Medicine, University of California, Los Angeles, CA.

Teaching: Human Anatomy, Histology and Embryology, Cell Biology

Research: Cell Biology: Effects of aging, air pollutants, environmental radiation and organo-mercurial compounds.

**1973-1975:** Application Specialist and Project Manager, Ultra Pure Water Systems, Millipore Corp, Bedford, MA.

**1975-1976:** Consultant: Chief of Toxicology, Applied Biological Sciences Laboratory, Glendale, CA.

**1975-1976:** Consultant: Toxicology, Alchem Laboratory, Marina del Ray, CA.

**1975-1984:** Consultant: Safety and Efficacy of Medical Devices, Drugs and Cosmetics, Los Angeles, CA.

**1978-1980:** Director of Regulatory Affairs: Safety and Efficacy of Cardiac Pacemakers. American Technology, Northridge, CA.

**1984 to Current:** Consultant and Expert Witness - Environmental Toxicology and Immunotoxicology. Northridge, CA and Alto, N.Mex. Human Health Effects. Research, Library Research, Consulting and Testimony.

**1988 to 1994:** Consultant to Antibody Assay Laboratories, Santa Ana, CA

**1989 to 1996:** Mentor: School of Health and Human Services, Columbia Pacific University, San Rafael, CA.

**1990-1995:** C.E.O. International Institute of Research for Chemical Hypersensitivity (INRCH), Northridge, CA and Alto, NM

**1993-1994:** Editor-in-Chief, Informed Consent, INRCH, Publisher.

**1993 to 1996:** Faculty. Eastern New Mexico University, Ruidoso, NM

**1994 to Current:** Advisory Committee, Chemical Impact Project, Tides Foundation, Mill Valley, CA.

**2002 to Current:** Recent Consultation to:

Immunosciences Lab, Inc., Beverly Hills, CA.

Progressive Health Care, Benson, AZ

Center for Immune and Toxic Disorders, Spring, TX

State Of New Mexico, Department of Health, Expert in Mold Inspections

Real Time Laboratories, LLC, Dallas, TX – Medical Director

Consulting Services to Treating Physicians – Nation Wide

Consulting services to ChemWatch

West Coast Energy Project, Edmonton, Canada

Light Brown Apple Moth infestation, Monterey and Santa Cruz Counties, CA

**2007 to Current:** Technical Director

National Toxic Encephalopathy Foundation, Las Vegas, NV

**Representative Chemicals:** Formaldehyde (Trailers and Mobile Homes), Organophosphate Pesticides, Chlorinated Pesticides, Herbicides, Pyrethrins, Solvents (Aromatic, Gasoline, Paint Thinners, Chlorinated), Indoor Air , New Carpeting,

Smog, Heavy Metals, Methyl Bromide, Isocyanates, Silicone Breast Implants, Industrial Air Pollution, Ground Water Contamination, Hydrogen Sulfide (Sewer gas, concentrated animal feed organization, Oil & Gas Fields, Waste Treatment Plants), Organo-Sulfur Compounds, Paints (Solvent and Water Based), Ammonia and Ammonium Compounds, Mold, Mycotoxins, Indoor Environment resulting from water intrusion, Cosmetics, Fragrances, Asbestos, Coumarin, Benzophenone-2, Benzene, Limonene (d & l), Linalool etc.

## **Development and Organization of Websites on Toxic Exposures**

Mold and the Environment: Updating of Peer Reviewed Literature

<http://www.moldenvironment.com/main/index.php>

## **Scientific Societies and Organization Memberships**

American Association of Anatomists (1964-1972)

American Society of Cell Biology (1964-1972)

American Association for the Advancement of Science

American Academy of Environmental Medicine

Consultant to: Childsreen Professionals on Autism.

Medical Science Monitor International Reviewers Panel (IRP)

Moderator: Environmental Toxins Foundation, UK

Participating Organization: Collaborative on Health and the Environment, USA

Society of Toxicology (SOT)

Speaker: American Environmental Health Foundation, Dallas Texas, June, 2004

## **RECOGNITION: Committees and Research Presentations by Invitation.**

Who's Who in Medicine and Healthcare

Who's Who In Science

Advisory Panel and Investigator. Safety and Efficacy of Root Canal Medicaments. Food and Drug Administration and the American Endodontics Society, 1975.

5th International Conference on Indoor Air Quality, Toronto, Canada, 1990

Second Annual Meeting of the International Society for Environmental Epidemiology. Berkeley, CA 1990.

Disabilities. Senator Milton Marks, Chairman, California Legislature. 1994-1996.

IFC/Arnold O. Beckman European Conference on the Environment, July, 1995.

Advisory Panel. Access for People with Environmental Illness/Multiple Chemical Sensitivity and Other Related Advisory Committee. Medical Outreach Committee of the No-spray Coalition. New York, N.Y. 1999-2000.

22<sup>nd</sup> Annual International Symposium, June 24-27, Dallas, TX. "Environmental Aspects of Inflammation. Cosponsored by AEFF and AAEM. Speaker and Faculty Member.

Panelist and Participant in Multiple Chemical Sensitivity Case Definition Workshop. Double Tree Hotel, San Francisco Airport, Burlingame, CA. Sponsored by the Chemical Injury Information Network, White Sulphur Springs, MT. August 4-5, 2006  
Advisory Panel Expert at Legislative Education: Overview of The Complexity of the Indoor Environment.. Washington DC, 2007.

## RESEARCH PAPERS

1. Greulich RC, Cameron IL, Thrasher JD (1961) Stimulation of mitosis in adult mice by administration of thymidine. PNAS 47:473.
2. Thrasher JD, Greulich RC (1965) Age changes in the duodenal progenitor cell cycle of the male Swiss albino mouse. Proc. 2nd Grad Acad Univ California, Los Angeles, p. 71.
3. Thrasher JD, Greulich RC (1965) The duodenal progenitor population: I. Age related changes in the duration of the cryptal progenitor cell cycle. J Exper Zool 159:39.
4. Thrasher, JD, Greulich RC (1965) The duodenal progenitor population. II. Age related changes in size and distribution. J Exper Zool 159:385.
5. Thrasher JD, Greulich RC (1966) The duodenal progenitor population. III. The progenitor cell cycle of principal, goblet and Paneth cells. J Exper Zool 161:9.
6. Thrasher JD, Clarke FI, Clarke DR (1967) Changes in the vaginal epithelial cell cycle in relation to events of the estrous cycle. Exper Cell Res 45:232.
7. Thrasher JD (1967) Age and the cell cycle in the mouse colonic epithelium. Anat Rec 157:621,

8. Thrasher JD (1969) Comparison of the cell cycle and cell migration in the intestinal epithelium of suckling and adult mice. *Experientia* 23:1050.
9. Thrasher JD (1969) Preliminary observations on mate compatibility in *Marmosa mitis*. *Lab Animal Care* 19:67.
10. Thrasher JD (1970) Preliminary observations on the mean duration of the S-phase in the opossum, *Didelphis virginiana*. *Exper Cell Res* 57:441.
11. Thrasher JD (1970) Relationship between cell division and cell specialization in the mouse intestinal epithelium. *Experientia* 26:74.
12. Thrasher JD (1970) The cell cycle and turnover times of the intestinal epithelia of the pouchless opossum, *Marmosa mitis*. *Experientia* 26:871.
13. Pogrud RS, Thrasher JD (1970) Air pollutants as carcinogenic and mutagenic agents: A summary report. Project Clean Air, University of California, Berkeley.
14. Thrasher JD, Berg N, Hauber E (1971) Natural variation in the S-phase of renewing epithelia of the pouchless opossum, *Marmosa mitis*. *Cell Tiss Kin* 4:185.
15. Thrasher JD (1971) Age and the cell cycle of the mouse esophageal epithelium. *Exper Gerontol* 6:19.
16. Thrasher, JD, Barenfus M, Rich ST, Shupe DV (1971) The colony management of *Marmosa mitis*, the pouchless opossum. *Lab Animal Sci* 21:526.
17. Turner FB, Thrasher JD, Licht P, Medica PA, Lannon JR (1971) Gamma radiation-induced sterility in natural populations of lizards (*Crotaphytus wislizenii* and *Chemidophorus tigris*). IVth Symposium on Radio-Ecology.
18. Thrasher JD, Adams JF (1972) The effects of four mercury compounds on the generation time and cell division in *Tetrahymena pyriformis*, WH14. *Envir Res* 5:442.
19. Cameron IL, Thrasher JD (1976) Cell renewal and cell loss in aging animals. *Interdisciplinary Topic on Gerontology*, No. 10, p. 108.
20. Thrasher JD (1976) Toxicity and histopathology of Gutta Percha and RC-2B root canal medicaments. *Amer Endodontics Soc* 25:2.
21. Thrasher JD, Vojdani A, Heuser G, Cheung GP (1987) Evidence for formaldehyde antibodies and altered immunity in subjects exposed to formaldehyde in mobile homes. A brief communication. *Arch Envir Hlth* 42:347.
22. Thrasher JD, Broughton A (1988) Indoor formaldehyde and the elderly.

Clin Gerontologist 7:63.

23. Broughton A, Thrasher JD (1988) Antibodies and altered cell mediated immunity in formaldehyde exposed humans. *Comments Toxicology* 2:155.

24. Broughton A, Thrasher JD, Gard Z (1988) Immunological evaluation of four arc welders exposed to fumes from ignited polyurethane (isocyanate) foam: Antibodies and immune profiles. *Amer J Indust Med* 13:463.

25. Thrasher JD, Broughton A, Micevich P (1988) Antibodies and immune profiles of individuals occupationally exposed to formaldehyde. *Amer J Indust Med* 14:479.

26. Thrasher JD, Broughton A, Gard Z (1989) Building-related illness and antibodies to albumin conjugates of formaldehyde, toluene diisocyanate and trimellitic anhydride. *Amer J Indust Med* 15:187.

27. Thrasher JD, Broughton A, Madison R (1989) Response to letters on formaldehyde case reports. *Amer J Indust Med* 16:333.

28. Broughton A, Thrasher JD, Madison R (1989) Chronic health effects and immunological alterations associated with exposure to pesticides. *Comments Toxicology* 4:49.

29. Thrasher JD, Broughton A, Madison R (1990) Immune activation and autoantibodies in humans with long term inhalation exposure to formaldehyde. *Arch Envir Hlth* 45:217.

30. Broughton A, Thrasher JD, Madison R (1991) Biological monitoring of indoor air pollution: A novel approach. In: *The 5<sup>th</sup> Inter Conf Indoor Air Quality Climate, Toronto, V. 2*, p. 145.

31. Madison R, Broughton A, Thrasher JD (1991) Immunologic biomarkers associated with an acute exposure to exothermic by products of an ureaformaldehyde spill. *Envir Hlth Persp* 94:219.

32. Thrasher JD, Madison R, Broughton A (1993) Immunologic abnormalities in humans chronic exposed to Chlorpyrifos: Preliminary observations. *Arch Envir Hlth* 48:89.

33. Thrasher JD (2000) Are chlorinated pesticides a causation in maternal mtDNA mutations? *Arch Envir Hlth* 55:292.

34. Thrasher JD, Kilburn, KH. (2001) Embryo Toxicity and Teratogenicity of Formaldehyde. *Arch Envir* 56:300.

35. Thrasher, JD, Broughton, Heuser, G. (2002) Immunological abnormalities in humans chronically exposed to Chlorpyrifos. *Arch Environ Hlth* 57:181-187.

36. Vojdani A, Thrasher JD, Gray M, Campbell A, Heuser G (2003) Antibodies to Molds and Satratoxin in Individuals Exposed in Water-Damage buildings. *Archives of Environmental Health*, 58:421-32.
37. Gray M, Thrasher JD, Crago R, Madison RA, Madison R, Arnold L, Campbell A, Vojdani A. (2003) Mixed Mold Exposure: Immunological Changes in Humans with Exposure in Water Damaged Buildings. *Archives of Environmental Health* 58:410-20.
38. Crago BR, Nelson LA, Davis M, Thrasher JD, Gray M (2003) On the neuropsychological and electrocortical impacts of mixed mold exposure. *Archives of Health*, 58:452-63.
39. Campbell AW, Thrasher JD, Madison RA, Gray MR. (2003) Neural antigen autoantibodies and neurophysiology abnormalities in patients exposed to mixed-molds in water-damaged buildings. *Arch Environ Health*, 58:464-74.
40. Vojdani A, Thrasher, JD (2004) Cellular and Humoral Immune Abnormalities in Gulf War Veterans. *Environmental Health Perspectives*, 112:840-46.
41. Campbell AW, Thrasher JD, Gray MR, Vojdani A (2004) Mold and Mycotoxins: Effects on Neurological and Immune Systems in Humans. In: Straus, DC, ed., *Sick Building Syndrome, Advances in Applied Microbiology*, Volume 55. p 275-402.
42. Thrasher, JD, Campbell AW (2006) Inflammatory responses in occupants of water-damaged buildings who also exhibit MCS, chronic fatigue and fibromyalgia. An argument for the role of genetic polymorphism. *Multiple Chemical Sensitivity Case Definition Workshop*. Hosted by Chemical Injury Information Network, White Sulphur Springs, MT.
43. Thrasher JD, Kilburn K, Immers N (2006) Indoor Environment Resulting From Water Intrusion. *Harris Martin Columns, Perspectives* 4-6, 48-53.
44. Gray MR, Thrasher JD, Crago R (2007) Reye's-like syndrome in a newborn following exposure to a mold infested home. (In preparation).

## **CHAPTERS IN BOOKS AND MONOGRAPHS**

1. Thrasher JD (1966) Analysis of renewing epithelial cell populations. In Prescott DM, (ed) *Methods in Cell Physiology*. New York: Academic Press, Vol 2, p. 234.
2. Prescott DM, Rao HVN, Evenson DP, Stone GE, Thrasher JD (1966) Isolation of single nuclei and mass preparation of nuclei from several cell types. In: Prescott DM (ed) *Methods in Cell Physiology*. New York: Academic Press, Vol 3, p. 131.
3. Thrasher JD (1971) RNA molecules in cells and tissues, in vivo and in vitro. In: Cameron IL, Thrasher JD (eds) *Cellular and Molecular Renewal in the Mammalian Body*. New York: Academic Press, p. 107.

4. Thrasher JD (1971) Turnover of intracellular proteins. In: Cameron IL, Thrasher JD (eds) Cellular and Molecular Renewal in the Mammalian Body. New York: Academic Press, p. 25.
5. Thrasher JD (1972) Effects of mercury compounds on dividing cells. Zimmerman A, Cameron IL (eds) New York: Academic Press.
6. Thrasher JD (1972) Marsupial cells, in vivo and in vitro. Prescott DM (ed) Methods in Cell Physiology. New York, Academic Press.
7. Campbell AW, Thrasher JD, Gray MR, Vojdani A. Mold and Mycotoxins: Effects on Neurological and Immune Systems of Humans. In: Straus DC (2004) Sick Building Syndrome. Advances in Applied Microbiology 55:375-74.

## **BOOKS**

1. Cameron IL, Thrasher JD (1971) Cellular and Molecular Renewal in the Mammalian Body. New York: Academic Press.
2. Thrasher JD, Broughton A (1990) The Poisoning of our Homes and Workplaces. The Indoor Formaldehyde Crisis. Santa Ana: Seadora, Inc.

## **WEB SITE PUBLICATIONS**

1. Thrasher, JD (1999) Brief Toxicology of Formaldehyde
2. Thrasher, JD (1999) Toxicology of Hydrogen Sulfide.
3. Thrasher, JD (2001) Molds and Human Diseases.
4. Thrasher, JD (2002) Aflatoxins and Aflatoxicosis.
5. Thrasher JD (2002) An Introduction to Trichothecenes.
6. Thrasher, JD (2002) Ochratoxins and Ochratoxicosis.
7. Thrasher, JD (2002) *Stachybotrys chartarum*: Lung Effects, Siderophore and Stachylisin.

## **MEDIA-SCIENCE ARTICLES**

1. Thrasher JD (1984) Indoor Air Pollution - Air for Living. The Californian, Sept.

2. Thrasher JD (1984) Air Pollution: Indoor Formaldehyde. The Californian, Nov.
3. Thrasher JD (1985) Air for Living - By Products of Combustion. The Californian, Jan.
4. Thrasher JD (1985) Formaldehyde Health Risks. The Californian, May.
5. Thrasher JD (1985) Your Recovery from Formaldehyde Toxicity. The Californian, June.
6. Thrasher JD, Wojdani A, Cheung GP, Heuser G (1986) Indoor Air Pollution: A Public Health Legal Perspective. California Trial Lawyers Forum 16 (No. 8), p. 296.
7. Thrasher JD, Broughton A (1988) Formaldehyde and the Immune System. Health Today, Nov/Dec., p. 27.
8. Thrasher JD, Broughton A (1988) Toxins in the Home and Office. Health Today, Sept. Oct., p. 38.
9. Broughton A, Thrasher JD (1989) Low Level Chemicals in the Indoor Air can Cause Immune Damage. Indoor Air.
10. Thrasher JD (1994) Monosodium Glutamate Chinese Restaurant Syndrome. Informed Consent 1(3):49.
11. Thrasher JD (1994) Time of Day Affects Asthmatic Response. Informed Consent 1(5):34.
12. Thrasher JD (1994) Adverse Consequences of Accidental Methyl Bromide Exposure. Informed Consent 1(6): 16.
13. Thrasher JD, Kilburn KH, Immers, N (2006) Indoor Environment Resulting from Water Intrusion. Harris Martin Columns, November, p. 4.

## **CONTRACTS AND SCIENTIFIC REPORTS**

1. Thrasher JD, Firth B (1974) Milli-Q Ultrapure Water System. Marketing Brochure, Millipore Corp, Bedford, MA.
2. Thrasher JD, Firth B (1974) Milli-Ro (Reverse Osmosis) Water Purification Systems. Marketing Brochure, Millipore Corp, Bedford, MA.
3. Thrasher JD (1976) Assessment of market places for membrane technology. Chemical Systems, Inc, Irvine, CA.
4. Thrasher JD Michaelson M (1976) Safety and efficacy of dandruff shampoo ingredients. Redkin Laboratories, Canoga Park, CA.

5. Thrasher JD (1976) Safety and efficacy of dandruff shampoos. FDA Regulations. Styper Products, Irvine, CA.
6. Thrasher JD (1975-76) Testing protocols, in vivo and in vitro, for safety and efficacy of root canal medicaments. American Dental Association Panel on Drugs and Device Safety. Prepared for: American Endodontic Society, Anaheim, CA.
7. Thrasher JD (1979) Preclinical evaluation of biomaterials for implantable pacemakers and intracardiac leads. Premarket Approval, American Technology, Northridge, CA.
8. Thrasher JD, La Torre DE, Devaney JR (1979) Scanning electron microscope and energy dispersive X-ray analyses of dendrite formation in feed-throughs of the Model DU 33 pacemaker. American Technology, Northridge, CA.
9. Thrasher JD (1980) Clinical evaluation of the Model DU-15 pacemaker. A two year evaluation of safety and efficacy. American Technology, Northridge, CA.
10. Thrasher JD (1981) Business Plan: The markets for testing and applied research. Micro-Bio Testing and Research, Los Angeles, CA.
11. Thrasher JD (1981) Business Plan: The markets and applications for U.V.-Ozone oxidation of EPA regulated refractory compounds in water and waste water. Westgate Research Corp., Los Angeles, CA.
12. Thrasher JD (1982) The U.V.-Ozone oxidation of chlorinated aromatic hydrocarbons. Westgate Research Corp., Los Angeles, CA.
13. Thrasher JD (1982) The U.V.-Ozone oxidation of phenolic compounds. Westgate Research Corp., Los Angeles, CA.
14. Thrasher JD, Zeff J (1982) The U.V.-Ozone oxidation and detoxification of tri-butyl tine in waste waters. Westgate Research Corp., Los Angeles, CA.
15. Thrasher JD (1984) Business Plan: Indoor air pollution and markets for air purifiers. U.A. International, Inc. Los Angeles, CA.
16. Thrasher JD, Salot S (1984) Removal of formaldehyde from ambient air with three different media. Internal Report. U.A. International, Inc., Los Angeles CA.
17. Thrasher JD, Dahlgren J (1986) Toxicology of paints, adhesives and solvents. Pacific Toxicology, Los Angeles, CA.