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May 21, 2004

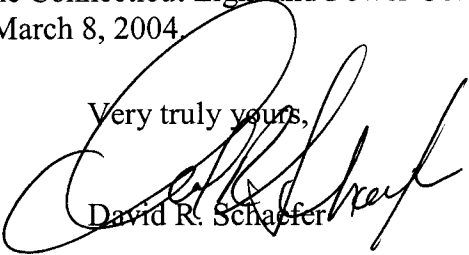
Ms. Pamela B. Katz
Chairman
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

Re: Docket No. 272 – Middletown-Norwalk 345kV Transmission Line

Dear Ms. Katz:

Please find attached the responses of Ezra Academy, Congregation B'nai Jacob, the Jewish Community Center of Greater New Haven and the Jewish Federation of Greater New Haven to the Interrogatories of the Connecticut Light and Power Company and the United Illuminating Company, dated March 8, 2004.

Very truly yours,


David R. Schaefer

:kt
Enclosure
840591.doc

cc: Service List

INTERROGATORIES:

1. Identify the name and address of each expert witness for whom you intend to present pre-filed testimony and/or make available for cross-examination at the hearings in this docket.

- A. **Dr. Peter M. Rabinowitz, M.D., M.P.H., 15 Sherwood Forest Lane, Westport, Connecticut 06880;**
- B. **Leonard Bell, M.D., Chief Executive Officer of Alexion Pharmaceuticals, Inc., 352 Knotter Drive, Cheshire, CT 06410;**
- C. **David Carpenter, Professor, Environmental Health & Toxicology, Professor, Biomedical Sciences and Director, Institute for Health and the Environment, School of Public Health, University at Albany, One University Place, B242, Rensselaer, NY 12144;**
- D. **Carl Baum, M.D., FAAP, ACMT, Assistant Professor of Pediatrics, (Emergency Medicine), Director, Medical Toxicology, Yale New Haven Children's Hospital, Pediatric Emergency Services, 20 York Street, New Haven, CT 06504;**
- E. **Alan Gerber, Ph.D., Professor of Political Science, Yale University, 77 Prospect Street, New Haven, CT 06504**
- F. **Eric M. Grubman, M.D., F.A.C.C., N.A.S.P.E., Cardiology Associates of New Haven, P.C., Attending Physician, Temple Medical Center, 40 Temple Street, New Haven, CT 06504.**

2. Provide a copy of all reports, analyses, and studies prepared by such expert regarding the Middletown to Norwalk Project.

See pre-filed testimony.

3. Provide a copy of all documents, data or other information considered by the expert in forming his/her opinions in this matter, other than any documents, data or information already filed or previously produced by CL&P and/or UI in this docket. With regard to such documents, data or information already filed or previously produced by CL&P and/or UI in this

docket (and relied upon by the expert), provide a listing of all such documents, data, or information.

See Appendices to pre-filed ~~Testimony~~.

4. Provide in both electronic and hard copy form any and all results of system modeling performed by the expert in connection with this docket, including both the model used and the input data.

N/A

5. Provide a copy of any and all exhibits to be used as a summary of or in support of the expert's opinions and testimony.

See Appendices to pre-filed testimony.

6. Provide a complete listing of the qualifications of the expert, including a list of all publications authored by the expert in the last 10 years.

A. Dr. Peter M. Rabinowitz, M.D., M.P.H – See Curriculum Vitae attached hereto as Exhibit A.

B. Leonard Bell, M.D. – See Curriculum Vitae attached hereto as Exhibit B.

C. David O. Carpenter- See Curriculum Vitae attached hereto as Exhibit C.

D. Carl Baum, M.D., FAAP, ACMT - See Curriculum Vitae attached hereto as Exhibit D.

E. Alan Gerber, Ph.D- See Curriculum Vitae attached hereto as Exhibit E.

F. Eric M. Grubman, M.D., F.A.C.C., N.A.S.P.E.- See Curriculum vitae attached hereto as Exhibit F.

EXHIBIT A

PETER M. RABINOWITZ, CIRRICULUM VITAE

Research and Professional Experience:

- 1982-1985 Resident, Family Practice Residency Program, University of California San Francisco School of Medicine
- 1982-1987 1982-1986 Staff Physician, SeaMar Community Health Care, Seattle, WA
- 1986-1987 1987-1992 Co-founder and Medical Director, Novela Health Education, Seattle, WA and Stamford, CT.
- 1988-1989 Staff Physician, Group Health Cooperative, Puget Sound, Seattle, WA.
- 1990-1993 Resident, General Preventive Medicine Residency Program, Yale University School of Medicine
- 1991-1995 Assistant Director, Family Practice Residency Program, St. Joseph Med. Ctr., Stamford, CT.
- 1995-1996 Associate Director, Family Practice Residency Program, St. Joseph Med. Ctr., Stamford, CT.
- 1996-1998 Postdoctoral Fellow, Yale Occupational and Environmental Medicine Program, Yale University School of Medicine
- 1998-1999 Associate Research Scientist, Yale Occupational and Environmental Medicine Program, Yale University School of Medicine
- 1999-present Assistant Professor of Medicine, Yale Occupational and Environmental Medicine Program, Yale University School of Medicine

Honors/Awards:

"America's Top Family Doctors", Consumer Research Council, 2002
Special Emphasis Research Career Award (SERCA). CDC/NIOSH, 1998-2001
Mead Johnson Family Practice Research Award, 1992
Gary Linnehan Award (For Superior Clinical Competence and Outstanding Promise as Teacher in the Field of Medicine). University of Washington School of Medicine, 1982.
Governor's Writer's Day Award, State of Washington, 1982

Professional Societies:

American Association for the Advancement of Science, Society of Environmental Toxicology and Chemistry, American College of Occupational and Environmental Medicine, American Academy of Family Physicians, American Public Health Association, National Hearing Conservation Association

Selected Publications

Rabinowitz PM, Gordon Z, Dein J, Taylor B. "Animals as Sentinels of Human Environmental Health Hazards. (submitted 2004 Environmental Health Perspectives)

Rabinowitz PM, Slade M, Dixon-Ernst C, Sircar K, Cullen M. Impact of OSHA final rule: recording hearing loss. *Journal of Occupational Environmental Medicine* 2003 45:1274-1280

Rabinowitz PM, Dobie RA Use of the audiometric configuration to determine whether hearing loss is noise-induced: can 'notch criteria' help? *Spectrum* January 2003

Rabinowitz PM., Poljak A. Host/environment medicine; a primary care model for the age of genomics. *Journal of General Internal Medicine* 2003 18: 222-226

Rabinowitz PM, Wise JP, Powell C, Mobo BH, Antonucci PG. Antioxidant status and hearing function in noise-exposed workers. *Hearing Research* 2002; 173 : 164-171

Rabinowitz PM. Siegel MD. Acute inhalation injury. *Clinics in Chest Medicine.* 2002 23:707-15

Rabinowitz PM. Noise-induced hearing loss and workers compensation; what managers should know. *Journal of Workers Compensation* 2002 11: 9-17

Rabinowitz PM, Duran R. Is acculturation related to use of hearing protection?"*Am Ind Hyg Assoc JI* 2001. 62; 611-614

Rabinowitz PM, Sparer JS. Noise induced hearing loss. *Occupational Airways* 2000;6;1-4
Rabinowitz PM. Noise-induced hearing loss, *American Family Physician.* 2000;61:2749-56, 2759-60.

Rabinowitz PM, Cullen MR, Lake HR. Wildlife as sentinels for human health hazards: A review of study designs. *JEnviron Med* 1999;1:217-223.

Rabinowitz PM, Cullen MR, Feinstein RE. Host/environment medicine: a family practice model for the future, *Family Medicine* 1998;30(40):297-300.
Lalonde BL,

Rabinowitz PM. Novelas as health education tools, *Health Education & Behavior* 24(5); Oct, 1997.

Rabinowitz PM. Family centered birthing (letter), *Family Medicine* 27(7);418-9, 1995 Jul-Aug.

Rabinowitz, PM Setting Priorities for Preventive Services, (MPH Thesis), Yale University School of Medicine, 1995.

Rabinowitz PM. Psychosocial theories in primary care. In Feinstein RE (Ed) *Psychosocial Aspects of Primary Care*, Springer Publishing, New York 1999.

Rabinowitz PM. *Talking Medicine: America's Doctors Tell Their Stories* W.W. Norton, NY 1981, pp. 316.

Other:

2003- present Member, EPA ad hoc panel on animals as sentinels for chemical terrorist agents

2003-present Associate Member, Consortium for Conservation Medicine

2002- present Representative Member, Council for Accreditation in Occupational Hearing Conservation

2003 - present Member: Scientific Committee on Sensory Perception and Occupational Exposures, American College of Occupational and Environmental Medicine

2000-present Associate Editor, *Spectrum*; publication of the National Hearing Conservation Association

2000 - present Member, Risk Assessment Forum, Yale Institute for Social and Policy Studies

2000-present Guest Lecturer, Department of Epidemiology and Public Health, Yale University School of Medicine; "Wildlife as Sentinels of Human Environmental Health Hazards", "Noise as a human health hazard", "Endocrine Disruption", "Lead Toxicity"

1998-Present Consultant, Alcoa Corporate Medical Department

Current: Peer Reviewer: *Journal of General Internal Medicine*, *American Journal of Public Health*, *American Journal of Industrial Medicine*, *Journal of Family Practice*

1992 – Present Grant Reviewer: American Academy of Family Physicians Grant Foundation

Research Projects Ongoing or Completed During the Last Three Years:

"Animals as Sentinels of Human Health Hazards" (PI Peter M. Rabinowitz, M.D., M.P.H.)
National Library of Medicine 1 G08 M07881-01 May 2003- May 2006

Major Goal: To create an online database of curated scientific studies of animals as sentinels of human environmental health hazards

"Noise, Solvents, and Hearing Loss" (P.I. Peter M. Rabinowitz, M.D., M.P.H.) NIOSH 1 R01 OH07724-01 September 30 2002-September 29 2005

Major Goal: To examine the impact of organic solvent exposures on risk of sensorineural hearing loss in industrial workers.

"Prevalence of Noise-Induced Hearing Loss in Migrant Agricultural Workers" (P.I. Peter M. Rabinowitz, M.D., M.P.H.) As subcontract with Northeast Center for Agricultural and Occupational Health (CDC-NIOSH funding) October 1, 2000-September 30, 2002

Major Goal: To determine the prevalence of noise induced hearing loss in

Connecticut migrant workers.

"Identifying Risk Factors for Noise-Induced Hearing Loss" (P.I. Peter M. Rabinowitz, M.D., M.P.H.) NIOSH 1 K01 0800173-01 November 1, 1998 - October 31, 2001 Major Goal: To identify risk factors for noise-induced hearing loss.

"Hispanics and Noise-Induced Hearing Loss" (P.I. Peter M. Rabinowitz, M.D., M.P.H.) NIOSH/CDC/NORA 1 R03 OH03782-01 September 30, 1998 - September 29, 1999 Major Goal: Pilot Study to assess prevalence and risk factors for noise-induced hearing loss in noise exposed Hispanic workers.

EXHIBIT B

LEONARD BELL, M.D. – CIRRICULUM VITAE

Chief Executive Officer, Alexion Pharmaceuticals, Inc.

Responsible for clinical drug safety and efficacy trials enrolling over 6,000 patients

Adjunct Assistant Professor of Medicine, Yale University School of Medicine

Adjunct Assistant Professor of Pathology, Yale University School of Medicine

Attending Physician, Yale-New Haven Hospital, 1990-1993

Assistant Professor of Medicine, Yale University School of Medicine, 1990-1993

Assistant Professor of Pathology, Yale University School of Medicine, 1991-1993

Postdoctoral clinical fellow, Cardiology, Yale Medical School, New Haven, CT, 1988-1989

Postdoctoral research fellow, Cardiology, Yale Medical School, New Haven, CT, 1986-1988

Assistant Resident, Internal Medicine, Yale-New Haven Hospital, New Haven, CT, 1985-1986

Intern, Internal Medicine, Yale-New Haven Hospital, New Haven, CT, 1984 -1985

Brown University, A.B. Philosophy and A.B. Biology, magna cum laude, 1980

Phi Beta Kappa 1979

Yale University School of Medicine, M.D., 1984

Alpha Omega Alpha, Yale University School of Medicine, 1984

John P. Peters Prize for an outstanding thesis, Yale University School of Medicine, 1984

U.S. Senate Hearing of the Labor and Human Resources Committee Subcommittee on Public Health and Safety: Invited Testimony: "Scientific Discoveries in Cloning: Challenges for Public Policy", March, 1997

Member of the State of Connecticut Governor's High Technology Cluster Task Force, 1997 - 1999

Member, State of Connecticut Task Force on Agricultural Technology, 1993 - 1996

Member of the Connecticut Governor's Council on Economic Competitiveness and Technology

2001 Biotechnology Achievement Award for Applied Biotechnology from the Biotechnology Study Center at the New York University School of Medicine

EXHIBIT C

DAVID O. CARPENTER – CIRRICULUM VITAE

Professor, Environmental Health & Toxicology, School of Public Health, University at Albany
Professor, Biomedical Sciences, School of Public Health, University at Albany
Director, Institute for Health and the Environment, School of Public Health, University at Albany
Harvard Medical School, Boston, MA, M.D., cum laude, 1964
Harvard College, Cambridge, MA, B.A., magna cum laude, 1959
2/73-3/80 Chairman, Neurobiology Department Armed Forces Radiobiology Research Institute,
Defense Nuclear Agency, Bethesda, MD
3/80-9/85 Director, Wadsworth Center for Laboratories and Research, New York State Department of
Health, Albany, NY
9/85-1/98 Dean, School of Public Health, University at Albany, and Professor, Departments of
Environmental Health & Toxicology and Biomedical Sciences
9/85-7/98 Research Physician, Wadsworth Center for Laboratories and Research, New York State
Department of Health, Albany, NY
EDITORIAL BOARD: Journal of Public Health Management and Practice 1995 - Present
International Journal of Occupational Medicine & Environmental Health 1996 – Present
1980-1987 Executive Secretary, New York State Power Lines Project
1985-1986 Committee on Electric Energy Systems of the Energy Engineering Board, National
Research Council
1987-1990 Advisory Panel for the Electric Energy System Division, U.S. Department of Energy
1985-Pres. Committee #79, National Council on Radiation Protection and Measurements
1986-1997 Member, Legislative and Education Committees, Association of Schools of Public Health
1987-Pres. Delegate-at-Large, New York State Public Health Association
1991-1992 Member, Connecticut Academy of Sciences and Engineering Committee on
Electromagnetic Field Health Effects
1994-1997 Member, Legislative Committee of the Association of Schools of Public Health
1997 Member, Executive Committee of the Association of Schools of Public Health
1997-2000 National Advisory Environmental Health Sciences Council of the National Institutes of
Health
2002-2003 Member, Committee on the Implications of Dioxin in the Food Supply, The National
Academies, Institute of Medicine
1998-Pres. Member, U.S. Section of the Great Lakes Science Advisory Board of the International Joint
Commission
2001-Pres. United States Co-Chair, Workgroup on Ecosystem Health of the Science Advisory Board
of the International Joint Commission
2000-Pres. Member, Board of Directors, Pacific Basin Consortium for Hazardous Waste Health and
Environment
2000-Pres. Member, Board of Directors, Healthy Schools Network, Inc.
2000-Pres. Member, Environmental Protection Agency /National Association of State Universities and
Land Grant Colleges Task Force
2001-Pres. Treasurer, Pacific Basin Consortium for Hazardous Wastes, Health and Environment
2003-Pres. Member, United States Environmental Protection Agency, Children's Health Protection
Advisory Committee
1999 Awarded Homer N. Calver Award from the American Public Health Association for studies in
environmental health.

Publications for Past 10 years:

147. Knox, A.P., Strominger, N.L., Battles, A.H. and Carpenter, D.O. Behavioral studies of emetic sensitivity in the ferret. *Brain Res. Bull.*, 31:477-484, 1993.
148. Allen, C.N., Spencer, P.S. and Carpenter, D.O. β -N-methylamino-L-alanine in the presence of bicarbonate is an agonist at non-N-methyl-D-aspartate-type receptors. *Neuroscience* 54:567-574, 1993.
149. Elekes, K., Stefano, G.B. and Carpenter, D.O. Enkephalin-like immunoreactive neurons in the central nervous system of gastropods (*Helix pomatia*, *Lymnaea stagnalis*, *Aplysia californica*): A comparative immunocytochemical study. *Cell Tiss. Res.* 272:329-41, 1993.
150. Büsselberg, D., Platt, B., Haas, H.L. and Carpenter, D.O. Voltage gated calcium channel currents of rat dorsal root ganglion (DRG) cells are blocked by Al^{3+} . *Brain Res.* 622:163-168, 1993.
151. Strominger, N.L., Knox, A.P. and Carpenter, D.O. The connectivity of the area postrema in the ferret. *Brain Res. Bull.*, 33:33-47, 1994.
152. Knox, A.P., Strominger, N.L., Battles, A.H. and Carpenter, D.O. The central connections of the vagus nerve in the ferret. *Brain Res. Bull.*, 33:49-63, 1994.
153. Lin, Y. and Carpenter, D.O. Medial vestibular neurons are endogenous pacemakers whose discharge is modulated by neurotransmitters. *Cell. Molec. Neurobiol.*, 13:601-613, 1993.
154. Kemenes, G., S.-Rózsa, K. and Carpenter, D.O. Cyclic-AMP-mediated excitatory responses to leucine enkephalin in *Aplysia* neurones. *J. Exp. Biol.* 181: 321-328, 1993.
155. Büsselberg, D., Platt, B., Michael, D., Carpenter, D.O. and Haas, H.L. Mammalian voltage-activated calcium channel currents are blocked by Pb^{2+} , Zn^{2+} and Al^{3+} . *J. Neurophysiol.*, 71:1491-1497, 1994.
156. Hori, N. and Carpenter, D.O. Transient ischemia causes a reduction of Mg^{2+} blockade of NMDA receptors. *Neurosci. Letts.*, 173:75-78, 1994.
157. Riepe, M.W., Hori, N., Ludolph, A.C. and Carpenter, D.O. Failure of neuronal ion exchange, not potentiated excitation, causes excitotoxicity after inhibition of oxidative phosphorylation. *Neuroscience*, 64:91-97, 1995.
158. Hori, N. and Carpenter, D.O. Functional and morphological changes induced by transient *in vivo* ischemia. *Exp. Neurol.*, 129:279-289, 1994.
159. Lin, Y. and Carpenter, D.O. Direct excitatory opiate effects mediated by non-synaptic actions on rat medial vestibular neurons. *Eur. J. Pharmacol.*, 262:99-106, 1994.
160. Carpenter, D.O. Epidemiological evidence for an association between exposure to 50 and 60 Hz magnetic fields and cancer. James Bay Publication Series, Hydro-Electric Development: Environmental Impacts - Paper No. 6, pp. 2-31, 1994.
161. Carpenter, D.O. Communicating with the public on issues of science and public health. *Environ. Health Perspect.* 103:127-130, 1995.
147. Knox, A.P., Strominger, N.L., Battles, A.H. and Carpenter, D.O. Behavioral studies of emetic sensitivity in the ferret. *Brain Res. Bull.*, 31:477-484, 1993.
148. Allen, C.N., Spencer, P.S. and Carpenter, D.O. β -N-methylamino-L-alanine in the presence of bicarbonate is an agonist at non-N-methyl-D-aspartate-type receptors. *Neuroscience* 54:567-574, 1993.
149. Elekes, K., Stefano, G.B. and Carpenter, D.O. Enkephalin-like immunoreactive neurons in the central nervous system of gastropods (*Helix pomatia*, *Lymnaea stagnalis*, *Aplysia californica*): A comparative immunocytochemical study. *Cell Tiss. Res.* 272:329-41, 1993.
150. Büsselberg, D., Platt, B., Haas, H.L. and Carpenter, D.O. Voltage gated calcium channel currents of rat dorsal root ganglion (DRG) cells are blocked by Al^{3+} . *Brain Res.* 622:163-168, 1993.

151. Strominger, N.L., Knox, A.P. and Carpenter, D.O. The connectivity of the area postrema in the ferret. *Brain Res. Bull.*, 33:33-47, 1994.
152. Knox, A.P., Strominger, N.L., Battles, A.H. and Carpenter, D.O. The central connections of the vagus nerve in the ferret. *Brain Res. Bull.*, 33:49-63, 1994.
153. Lin, Y. and Carpenter, D.O. Medial vestibular neurons are endogenous pacemakers whose discharge is modulated by neurotransmitters. *Cell. Molec. Neurobiol.*, 13:601-613, 1993.
154. Kemenes, G., S.-Rózsa, K. and Carpenter, D.O. Cyclic-AMP-mediated excitatory responses to leucine enkephalin in *Aplysia* neurones. *J. Exp. Biol.* 181: 321-328, 1993.
155. Büsselberg, D., Platt, B., Michael, D., Carpenter, D.O. and Haas, H.L. Mammalian voltage-activated calcium channel currents are blocked by Pb²⁺, Zn²⁺ and Al³⁺. *J. Neurophysiol.*, 71:1491-1497, 1994.
156. Hori, N. and Carpenter, D.O. Transient ischemia causes a reduction of Mg²⁺ blockade of NMDA receptors. *Neurosci. Letts.*, 173:75-78, 1994.
157. Riepe, M.W., Hori, N., Ludolph, A.C. and Carpenter, D.O. Failure of neuronal ion exchange, not potentiated excitation, causes excitotoxicity after inhibition of oxidative phosphorylation. *Neuroscience*, 64:91-97, 1995.
158. Hori, N. and Carpenter, D.O. Functional and morphological changes induced by transient *in vivo* ischemia. *Exp. Neurol.*, 129:279-289, 1994.
159. Lin, Y. and Carpenter, D.O. Direct excitatory opiate effects mediated by non-synaptic actions on rat medial vestibular neurons. *Eur. J. Pharmacol.*, 262:99-106, 1994.
160. Carpenter, D.O. Epidemiological evidence for an association between exposure to 50 and 60 Hz magnetic fields and cancer. James Bay Publication Series, Hydro-Electric Development: Environmental Impacts - Paper No. 6, pp. 2-31, 1994.
161. Carpenter, D.O. Communicating with the public on issues of science and public health. *Environ. Health Perspect.* 103:127-130, 1995.
162. Fejtl, M., Gyori, J. and Carpenter, D.O. Hg²⁺ increases the open probability of carbachol-activated Cl⁻ channels in *Aplysia* neurons. *NeuroReport*, 5:2317-2320, 1994.
163. Carpenter, D.O. The public health significance of metal neurotoxicity. *Cell. Molec. Neurobiol.*, 14:591-597, 1994.
164. Gyori, J., Fejtl, M. and Carpenter, D.O. Effect of HgCl₂ on acetylcholine, carbachol and glutamate currents of *Aplysia* neurons. *Cell. Molec. Neurobiol.*, 14:653-664, 1994.
165. Fejtl, M., Gyori, J. and Carpenter, D.O. Mercuric (II) chloride modulates single channel properties of carbachol activated Cl⁻ channels in cultured neurons of *Aplysia californica*. *Cell. Molec. Neurobiol.*, 14:665-674, 1994.
166. Carpenter, D.O., Matthews, M.R., Parsons, P.J. and Hori, N. Long-term potentiation in piriform cortex is blocked by lead. *Cell. Molec. Neurobiol.*, 14:723-733, 1994.
167. Salanki, J., Gyori, J. and Carpenter, D.O. Action of lead on glutamate-activated chloride currents in *Helix Pomatia L.* neurons. *Cell. Molec. Neurobiol.*, 14:755-768, 1994.
168. Carpenter, D.O. How hazardous wastes affect human health. *Cent. Eur. J. Publ. Hlth.* 2:6-9, 1994.
169. Oyama, Y., Carpenter, D.O., Ueno, S., Hayashi, H. and Tomiyoshi, F. Methylmercury induces Ca²⁺-dependent hyperpolarization of mouse thymocytes: A flow-cytometric study using fluorescent dyes. *Eur. J. Pharmacol.*, 293:101-107, 1995.
170. Fejtl, M., Szarowski, D. H., Decker, D., Buttle, K., Carpenter, D.O. and Turner, J.N. Three-dimensional imaging and electrophysiology of live *Aplysia* neurons during volume perturbation: confocal light and high-voltage electron microscopy. *JMSA* 1(2):75-85, 1995.
171. Carpenter, D.O., Kemenes, G., Elekes, K., Leung, M., Stefano, G., S.-Rózsa, K. and Salanki, J. Opioid peptides in the nervous system of *Aplysia*: A combined biochemical immunocytochemical, and electrophysiological study. *Cell. Molec. Neurobiol.* 15:239-256, 1995.

172. Riepe, M. and Carpenter, D.O. Delayed increase of cell volume of single pyramidal cells in live hippocampal slices upon kainate application. *Neurosci. Letts.* 191:35-38, 1995.
173. Son, H. And Carpenter, D.O. Protein kinase C activation is necessary but not sufficient for induction of LTP at the synapse of mossy fiber-CA3 in the rat hippocampus. *Neuroscience* 72:1-13, 1996.
174. Iwase, T., Hori, N., Morioka, T. and Carpenter, D.O. Low power laser irradiation reduces ischemic damage in hippocampal slices in vitro. *Lasers Surg. Med.*, 19:465-450, 1996.
175. Carpenter, D.O., King, W.M. and McCreery, M.J. The role of glutamate reuptake in regulation of glutamate responses in *Aplysia* neurons. *Acta Biologica Hungaria* 46:363-373, 1995.
176. Saghian, A.A., Ayrapetyan, S.N. and Carpenter, D.O. Low concentrations of ouabain stimulate Na/Ca exchange in neurons. *Cell. Molec. Neurobiol.*, 16:489-498, 1996.
177. Platt, B., Carpenter, D.O., Büsselberg, D., Reymann, K.G. and Riedel, G. Aluminum impairs hippocampal long-term potentiation in rats in vitro and in vivo. *Exp. Neurol.*, 134:73-86, 1995.
178. Rubakhin, S.S., Gyori, J., Carpenter, D.O. and Salanki, J. HgCl₂ potentiates GABA activated currents in *Lymnaea stagnalis* L. neurons. *Acta Biologica Hungaria*, 46:431-444, 1995.
179. Fejtl, M. and Carpenter, D.O. Neurite outgrowth is enhanced by conditioning factor(s) released from central ganglia of *Aplysia californica*. *Neurosci. Letts.*, 199:33-36, 1995.
180. Riepe, M.W., Niemi, W.N., Megow, D., Ludolph, A.C. and Carpenter, D.O. Mitochondrial oxidation in rat hippocampus can be preconditioned by selective chemical inhibition of SDH. *Exp. Neurol.*, 138:15-21, 1996.
181. Son, H. and Carpenter, D.O. Interactions among paired-pulse facilitation and post-tetanic and long-term potentiation in the mossy fiber-CA3 pathway in rat hippocampus. *Synapse*, 23:302-311, 1996.
182. Carpenter, D.O., Suk, W.A., Blaha, K. and Cikrt, M. Hazardous wastes in Eastern and Central Europe. *Environ. Hlth. Perspect.*, 104:244-248, 1996.
183. Son, H., Davis, P.J. and Carpenter, D.O. Time course and involvement of protein kinase C-mediated phosphorylation of F1/GAP-43 in area CA3 after the mossy fiber stimulation. *Cell. Molec. Neurobiol.*, 17:171-194, 1997.
184. Dyatlov, V.A., Platoshin, A.V., Lawrence, D.A. and Carpenter, D.O. Mercury (Hg²⁺) enhances the depressant effect of kainate on Ca-inactivated potassium current in telencephalic cells derived from chick embryos. *Toxicol. Appl. Pharmacol.*, 138:285-297, 1996.
185. Carpenter, D.O. and Conway, J.B. Optimizing professional education in public health. *J. Public Health Management Practice*, 2:66-72, 1996.
186. Carpenter, D.O. Great Lakes contaminants: A shift in human health outcomes. *Health and Environment Digest*, 10:17-19, 1996.
187. Boldyrev, A.A., Stvolinsky, S.L., Tyulina, O.V., Koshelev, V.B., Hori, N. and Carpenter, D.O. Biochemical and physiological evidence that carnosine is an endogenous neuroprotector against free radicals. *Cell. Molec. Neurobiol.*, 17:259-271, 1997.
188. Szücs, A., Angiello, C., Salánki, J. and Carpenter, D.O. Effects of inorganic mercury and methylmercury on the ionic currents of cultured rat hippocampal neurons. *Cell. Molec. Neurobiol.*, 17:273-288, 1997.
189. Niemi, W.D., Slivinski, K., Audi, J., Rej, R. and Carpenter, D.O. Propylthiouracil treatment reduces long-term potentiation in area CA1 of neonatal rat hippocampus. *Neurosci.Letts.*, 210:127-129, 1996.

190. Son, H., Madelian, V. and Carpenter, D.O. The translocation and involvement of protein kinase C in mossy fiber-CA3 long-term potentiation in hippocampus of the rat brain. *Brain Res.*, 739:282-292, 1997.
191. Oyama, Y., Carpenter, D.O., Chikahisa, L. and Okazaki, E. Flow-cytometric estimation on glutamate- and kainate-induced increases in intracellular Ca²⁺ of brain neurons. *Brain Research*, 728:121-124, 1996.
192. Carpenter, D.O., Stoner, C.R.T. and Lawrence, D.A. Flow cytometric measurements of neuronal death triggered by PCBs. *NeuroToxicology*, 18:507-514, 1997.
193. Azatian, K.V., Ayrapetyan, S.N. and Carpenter, D.O. Metabotropic GABA receptors regulate acetylcholine responses on snail neurons. *Gen. Pharmacol.*, 29:67-72, 1997.
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Books:

1. Cellular Pacemakers I: Mechanisms of Pacemaker Generation, David O. Carpenter, editor; John Wiley & Sons, New York, 1982.
2. Cellular Pacemakers II: Function in Normal and Disease States, David O. Carpenter, editor; John Wiley & Sons, New York 1982.
3. Biologic Effects of Electric and Magnetic Fields, Volume I: Sources and Mechanisms of Biologic Effects, David O. Carpenter and Sinerik Ayrapetyan, editors; Academic Press, California, 1994.
4. Biologic Effects of Electric and Magnetic Fields, Volume II: Beneficial and Harmful Effects, David O. Carpenter and Sinerik Ayrapetyan, editors; Academic Press, California, 1994.

Reviews And Book Chapters:

30. Carpenter, D. O., Hirotsu, I., Katsuda, N. and Hori, N. The effects of acetylcholine and aging on electrical excitability of the central nervous system. In: *Neuroregulatory Mechanisms in Aging*, Pergamon Press LTD, pp. 5-23, 1993.
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32. Deno, D. and Carpenter, D.O. Sources and characteristics of electric and magnetic fields in the environment. In: *Biologic Effects of Electric and Magnetic Fields, Volume I: Sources and Mechanisms of Biologic Effects*, David O. Carpenter and Sinerik Ayrapetyan, editors, Academic Press, California, pp. 3-59, 1994.
33. Carpenter, D.O. The public health implications of magnetic field effects on biological systems. In: *Biologic Effects of Electric and Magnetic Fields, Volume II: Beneficial and Harmful Effects*, David O. Carpenter and Sinerik Ayrapetyan, editors, Academic Press, California, pp. 321-329, 1994.
34. Carpenter, D.O. Multidisciplinary study of hazardous wastes at a Great Lakes Superfund Site. *Great Lakes Research Review*, 1: 37-39, 1994.
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36. Turner, J.N., Swann, J.W., Szarowski, D.H., Smith, K.L., Shain, W., Carpenter, D.O. and Fejtl, M. Three-dimensional confocal light and electron microscopy of central nervous system tissue, and

- neurons and glia in culture. In: International Review of Experimental Pathology, V.J. Savin and T.B. Wiegmann, editors, Volume 36, Academic Press, pp. 53-72, 1996.
37. Boldyrev, A., Lawrence, D. and Carpenter, D. Effect of carnosine and its natural derivatives on apoptosis of neurons induced by excitotoxic compounds. In: Peptide Science-Present and Future, Y. Shimonishi, editor, Kluwer Academic Publishers, Great Britain, pp. 424-426, 1998.
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39. Carpenter, D.O. NMDA receptors and molecular mechanisms of excitotoxicity. In: Oxidative Stress at Molecular, Cellular and Organ Levels, A. Boldyrev and P. Johnson, editors, Research Signpost, pp. 77-88, 2002.
40. Carpenter, D.O. . The need for global environmental health policy. In: Balancing Globalization with Social Responsibility: Perspectives on Work Security, Health, and Environment in the Global Economy. J.W. Diether, editor. International Labour Organization, 2002.

Other Publications:

1. Barker, J.L. and Carpenter, D.O. Neuronal thermosensitivity. *Science*, 172:1361-1362, 1971.
2. Carpenter, D.O. . Cellular Pacemakers. *Fed. Proc.*, 37:2125-2126, 1978.
3. Carpenter, D.O. . Membrane biophysics and general neurobiology in Japan. *ONR Tokyo Scientific Bulletin*, 3:23-27, 1978.
4. Carpenter, D.O. . Research on the primate nervous system in Japan. *ONR Tokyo Scientific Bulletin*, 3:28-32, 1978.
5. Carpenter, D.O. . Report on the Sixth International Biophysics Congress, Kyoto, Japan. *ONR Tokyo Scientific Bulletin*, 3:38-40, 1978.
6. Carpenter, D.O. Interchangeable association of neurotransmitter receptors with several ionophores. *Brain Research Bulletin*, 4:149-152, 1978.
7. Carpenter, D.O. and Ahlbom, A. Power lines and cancer: Public health and policy implications. *Forum*, 3:96-101, 1988.
8. Carpenter, D.O. Setting Health Policy When the Science and the Risk are Uncertain. In: *The Scientific Basis of Health Policy in the 1990s, Proceedings of the School of Public Health's Fifth Anniversary Symposium*, 54-63, 1990.
9. Carpenter, D.O. . Integrating public health in professional education. *Optometry and Vision Science*, 70: 699-702, 1993.
10. Bowerman, W.W., Carey, J., Carpenter, D.O., Colborn, T., DeRosa, C., Fournier, M., Fox, G.A., Gibson, B.L., Gilbertson, M., Henshel, D., McMaster, S. and Upshur, R. Is it time for a Great Lakes Ecosystem Agreement separate from the Great Lakes Water Quality Agreement? *J. Great Lakes Res.* 25:237-238, 1999.
11. Carpenter, D.O. Editorial Comment of "Primary hypoxic tolerance and chemical preconditioning during estrus cycle". *Stroke*, 30:1262, 1999.
12. Carpenter, D.O. . Bring environmental health back into public Health. *J. Pub. Health Mgmt. Pract.*, 5:vii-viii, 1999.
13. Carpenter, D.O. Should children and women of childbearing age eat Great Lakes fish? *Great Lakes Commission Advisor*, 13: 8, 2000.

EXHIBIT D

CARL BAUM, M.D., FAAP, ACMT – CIRRICULUM VITAE

Name: Carl Raphael Baum, MD, FAAP, FACMT

School Assignment: School of Medicine

Education: A.B., Dartmouth College, 1981
M.Sc. (Geological Sciences), Brown University, 1983
Post-Baccalaureate Program (Pre-Medical),
University of Pennsylvania, 1985
M.D., University of Pennsylvania, 1990

Career: 1990-91, Intern, Pediatrics
Children's Hospital of Philadelphia, Philadelphia, PA
1991-93, Resident, Pediatrics
Children's Hospital of Philadelphia, Philadelphia, PA
1993-95, Clinical Fellow, Pediatrics
Harvard Medical School, Boston MA
1993-96, Fellow, Pediatrics
Pediatric Emergency Medicine
Pharmacology and Toxicology
Children's Hospital, Boston MA
1995-96, Instructor, Pediatrics
Harvard Medical School, Boston MA
1996-2000, Assistant Professor, Pediatrics
Northwestern University Medical School
1996-2000, Attending Physician, Pediatric Emergency Medicine
Children's Memorial Hospital, Chicago, IL
1996-2000, Director, Toxicology Service,
Children's Memorial Hospital, Chicago, IL
1996-2000, Voluntary Attending Physician, Medicine
Division of Occupational and Environmental Medicine Toxico
Consortium
Cook County Hospital, Chicago, IL
1997-2000, Volunteer Staff
Illinois Poison Center, Chicago, IL
1999-2000, Deputy Director
Center for Children's Environmental Health
Cook County Hospital, Chicago, IL
2000- , Assistant Professor, Pediatrics
Yale University School of Medicine, New Haven, CT
2000- , Attending Physician, Pediatric Emergency Medicine
Yale-New Haven Children's Hospital, New Haven, CT
2000- , Director, Medical Toxicology
Yale-New Haven Hospital, New Haven, CT
2000- , Clinical Instructor, Emergency Medicine

- Traumatology and Emergency Medicine
 University of Connecticut School of Medicine
 Farmington, CT
- 2000- Consulting Toxicologist, Connecticut Poison Control Center
 University of Connecticut Health Center
 Farmington, CT
- 2003- Director, Center for Children's Environmental Toxicology
 Yale-New Haven Children's Hospital
 New Haven, CT
- 2003- Pediatric Consultant, Office of Emergency Preparedness
 Yale-New Haven Health System
 New Haven, CT
- 2003- Public Health Preparedness Advisory Committee
 State of Connecticut Department of Public Health

Board Certification:

- National Board of Medical Examiners
 1991 Diplomat
- American Board of Pediatrics
 1994 Diplomat, **General Pediatrics**
 Recertified 2001 (expires 2008)
- 1996 Diplomat, **Pediatric Emergency Medicine**
 Recertified 2002 (expires 2010)
- 1998 Diplomat, **Medical Toxicology**
 (expires 2008)

Professional Honors:

- 1994 American Academy of Clinical Toxicology/Texaco
 Recipient, Postdoctoral Clinical Toxicology
 Fellowship (\$7500)
- 1999- Fellow, American Academy of Pediatrics
 Section on Injury & Poison Prevention
 Section on Emergency Medicine
- 2003- Fellow, American College of Medical Toxicology

Grant History:

Current

- 2001- Friends of the Yale-New Haven Children's Hospital
 "Urine Analysis of a Tobacco-Specific Carcinogen in
 Children Exposed to Environmental Tobacco
 Smoke"
 Principal Investigator: **Carl Baum, MD**
 (effort: 5%)
 \$7500

- 2003- Friends of the Yale-New Haven
Children's Hospital
Establishment of a Center for Children's
Environmental Toxicology at Yale-New
Haven Children's Hospital
Director: **Carl Baum, MD**
(effort: 10%)
\$5000
- 2003- US Department of Health and Human
Services
Health Resources and Services
Administration
National Terrorism Hospital Preparedness
Program
Regional Surge Capacity for the Care of
Victims of Terrorism
Yale-New Haven Health System Center of
Excellence
Pediatric Consultant: **Carl Baum, MD**
(effort: 20%)
\$39,000
- Past**
- 1994- William F. Milton Fund of Harvard University
"The Lead Concentration of Reconstituted Infant
Formula"
Principal Investigator: Michael Shannon, MD, MPH
\$1000
- 1999-2000 Agency for Toxic Substances and Disease Registry
and US Environmental Protection Agency,
Region 5
The Center for Children's Environmental Health at
Cook County Hospital
Principal Investigator: Daniel Hryhorczuk, MD, MPH
\$124,000
- 1999-2000 Northwestern University Medical School
Department of Pediatrics, Faculty Practice Plan
"Urine Analysis of a Tobacco-Specific
Carcinogen in Children Exposed to Environmen
Tobacco Smoke"
Principal Investigator: **Carl Baum, MD**
\$13,000
- 1999-2000 US Department of Housing and Urban Development
Grant # ILL HR 0038-98

Health Provider Lead Awareness Campaign
(Campaign for a Lead-Safe America)
Principal Investigator: Helen Binns, MD, MPH
\$168,091

Invited Grand Rounds, Lectures and Courses:

Small Group Sessions
PREP:EM. Intensive Review of Pediatric Emergency Medicine
"Toxicology Cases"
American Academy of Pediatrics,
Chicago IL, 8/24/96

Grand Rounds
Department of Pediatrics
"Mass Exposures"
Rush-Presbyterian-St. Luke's Medical Center
Chicago IL, 5/16/97

Grand Rounds
Department of Pediatrics
"AACT/EAPCCT Position Statements on
Gastrointestinal Decontamination"
University of Chicago Children's Hospital
Chicago IL, 3/25/99

Workshop
Elemental Mercury Exposures in Children
"Health Effects of Mercury Exposure in Children"
Region 5, US EPA / ATSDR*
Chicago IL, 6/23/99

Grand Rounds
Department of Pediatrics
"Mercury: What's in it for Kids?"
Cook County Children's Hospital
Chicago IL, 7/27/99

Workshop
Children's Health Issues
"Toxicological Evaluations of Children"
ATSDR*
Oneida Nation, Green Bay WI, 8/4/99

*Agency for Toxic Substances and Disease Registry, Public Health Service, US Department of Health and Human Services

Grand Rounds
Department of Pediatrics

"Waiting to Exhale: What You Need to Know about Inhalant Abuse"
Cook County Children's Hospital
Chicago IL, 10/5/99

Grand Rounds
Department of Pediatrics
"Mercury: What's in it for Kids?"
University of Chicago Children's Hospital
Chicago IL, 11/4/99

Grand Rounds
Department of Pediatrics
"Lead Poisoning: Prevention and Prevalence"
Michael Reese Hospital
Chicago IL, 3/17/00

26th Annual Spring Symposium
"Waiting to Exhale: What You Need to Know about Inhalant Abuse"
Illinois State Council Emergency Nurses Association
Itasca IL, 5/12/00

Grand Rounds
Department of Pediatrics
"Lead Poisoning: Prevention and Prevalence"
Swedish American Hospital,
Rockford IL, 8/4/00

Ocean View Update: Emergency Medicine 2001
"Waiting to Exhale: What You Need to Know about Inhalant Abuse"
Rhode Island ACEP Meeting
Newport RI, 8/9/01

Presentation to the Board
Friends of the Yale-New Haven Children's Hospital
"Carcinogens in Children Exposed to Second-hand
Tobacco Smoke"
New Haven CT, 10/2/01

Grand Rounds
Department of Pediatrics
"Practical Toxicology"
Norwalk Hospital
Norwalk CT, 10/16/01

Grand Rounds
Department of Pediatrics
"Practical Toxicology"
Lawrence and Memorial Hospital
New London CT, 10/19/01

Grand Rounds
Department of Pediatrics
"Practical Toxicology"
Lawrence and Memorial Hospital
New London CT, 10/19/01

Grand Rounds
Department of Pediatrics
"Home Toxins"
St. Mary's Hospital
Waterbury CT, 10/8/02

2nd Annual New England Regional Toxicology Conference
"Pediatric Toxicology: Deadly in a Dose"
University of Connecticut
Storrs CT, 9/26/03

Grand Rounds
Department of Pediatrics
"Pediatric Toxicology: Some Kids Get Really Sick..."
Connecticut Children's Medical Center
Hartford CT, 11/11/03

Grand Rounds
Department of Pediatrics
"Home Toxins"
Bridgeport Hospital
Bridgeport CT, 12/10/03

Seminar
"Update on Poisonings, Date Rape Drugs, and
Environmental Toxins"
American Academy of Pediatrics
San Francisco CA, 10/12/04

Professional Service:

Peer Reviewer:
Pediatrics
Journal of Toxicology—Clinical Toxicology
Pediatric Emergency Care

Item Writer: Toxicology CAQ Examination, American Osteopathic
Board of Emergency Medicine.

1994- Member, American Academy of Clinical Toxicology
1999- Member, American College of Medical Toxicology
2001- Member, Ambulatory Pediatric Association

Bibliography:

1. Peer-reviewed original research

Grisso JA, **Baum CR**, Turner BJ. What do physicians in practice do to prevent osteoporosis? J Bone Miner Res 1990;5(3):213-219.

Baum CR, Shannon MW. The lead content of reconstituted infant formula. J Toxicol Clin Toxicol 1997;35(4):371-375.

2. Case reports, Letters

Baum CR, Shannon MW. Lead in breast milk [letter]. Pediatrics 1996;97(6):932.

Baum CR, Hilpert P, Bhutani VK. Accidental administration of an enalapril alkaloid to a neonate. Pediatrics 1996;98(3):457-458.

Baum CR, Shannon MW, Woolf A. Breath and blood ethanol following use of a cough-cold preparation [letter]. J Toxicol Clin Toxicol 1997;35(6):643-644.

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EXHIBIT E

ALAN GERBER, PH.D – CIRRICULUM VITAE

Address:

ISPS, Yale University
77 Prospect Street
New Haven, CT 06520
203 432 5232 at work
203 397 9457 at home
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Education:

Ph.D., Economics, Massachusetts Institute of Technology. 1994.

Thesis: Four Essays on Political Competition.
National Science Foundation Graduate Fellowship.
Bradley Foundation Fellowship in Public Economics.
National Science Foundation Research Training Fellowship in Political Economy.

B.A., Economics, Yale University. 1986.

Summa Cum Laude, Phi Beta Kappa, Distinction in Major.
Yale College Hart Lyman Prize for character and scholarship.

Current Position:

Professor, Political Science, Yale University.
Director, Center for the Study of American Politics.

Taught graduate level courses covering statistical analysis (Advanced Quantitative Methods, Experimental Methods), applications of game theory to politics (Introduction to Formal Models of Politics, Formal Models of Politics), and graduate and undergraduate seminars on American elections (U.S. National Elections, Money and American Elections). Served as Director of Undergraduate Studies (1996 - 1999).

Publications:

Does Campaign Spending Work? Field experiments Provide Evidence and Suggest New Theory. American Behavioral Scientist. 2004.

Voting May be Habit Forming (with Don Green and Roni Shachar). 2003. American Journal of Political Science.

Getting out the Vote in Local Elections: Results from Six Canvassing Experiments (with Green and Nickerson). 2003. Journal of Politics.

The Underprovision of Social Experiments (with Don Green). Forthcoming in the Annals of the American Association of Political and Social Science.

Direct Mail and Voter Turnout: Results from Randomized Field Experiments (with Don Green and Matt Green). 2003. Electoral Studies.

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Incumbency Advantage and the Persistence of Legislative Majorities (with Stephen Ansolabehere). 1997. Legislative Studies Quarterly (May).

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The Effect of Filing Fees and Petition Requirements on U.S. House Elections (with Stephen Ansolabehere). 1996. Legislative Studies Quarterly (May).

The Mismeasure of Campaign Spending: Evidence from the 1990 U.S. House Elections (with Stephen Ansolabehere). 1994. Journal of Politics (November).

Books:

Get-out-the-Vote (with Green). 2004. Brookings Institution Press.

Papers Under Review/Completed Drafts (Selection):

Comparing Experimental and Matching Methods using a Large Scale Field Experiment on Voter Mobilization (With Arceneaux and Green).

The Illusion of Learning from Observational Research (with Don Green and Ed Kaplan). Under Review, Perspectives on Politics.

Nonvoters are not like Voters anymore: An Examination of Some Recent Evidence. Revise and Resubmit, American Political Science Review.

Low Population States and Short House Careers: Evidence and Implications for Federal Representation. Revise and Resubmit, Legislative Studies Quarterly .

The 3/2 Myth in Presidential Campaigning? (with Adir Waldman). "Reject and resubmit", American Journal of Political Science.

A Tale of Two Literatures: A New Approach to Assessing the Effect of Campaign Spending on Elections.

Other Work:

Getting More out of Tracking Polls (with Don Green). 1998. Campaigns and Elections (August).

Getting Out the Youth Vote: Results from Randomized Field Experiments (with Don Green). A Report to the Pew Charitable Trusts Evaluating the YouthVote 2000 voter mobilization drive.

Completed Working Papers:

Estimating the Effects of an Exogenous Shock to Personal Income: A Study of Lottery Winners (with Don Green and Dan Doherty).

Analyzing Experimental Data with Binary Outcomes: A Cautionary Note (with Don Green).

Enough Already with Random Digit Dialing: A Validated Vote Test of Improving Pre-Election Polling with Registration Based Sampling (with Don Green).

The Effect of Political Campaigns on Turnout and Candidate Choice: Results from a Field Experiment.

How Campaigns Respond to Media Prices: A Study of Campaign Spending and Broadcast Advertising Prices in U.S. House Elections, 1972 and 1992 (with Steve Ansolabehere and Jim Snyder).

Rational Voters, Candidate Spending, and Incomplete Information: A Theoretical Analysis with some Practical Implications.

A Selection of Other Works in Progress:

Majoritarianism, Incumbency, and the Composition of the Legislature.

The Adoption of the Secret Ballot.

Does the Incumbency Advantage Reduce Legislative Responsiveness?

Selection of Recent Conferences and Seminars:

Comparing Experimental and Matching Methods using a Large Scale Field Experiment on Voter Mobilization (With Arceneaux and Green). Presented at the Northeast Political Methodolgy Conference.

The Underprovision of Social Experiments. Presented at Nuffield College Conference on Randomized Experiments in the Social Sciences.

The Effect of Campaigns on Voter Turnout and Candidate Choice: Results from a Field Experiment. Presented at UC Berkeley, Princeton University. American Political Science Association Meetings.

Direct Mail and Voter Turnout: Results from Seven Randomized Field Experiments. Presented at the American Political Science Association Meetings.

Corruption and the Growth of Campaign Spending. Presented at the American Political Science Association Meetings.

Reclaiming the Experimental Tradition in Political Science. Presented at the American Political Science Association Meetings.

Equal Votes, Equal Money: Court Ordered Redistricting and the Distribution of Public Expenditures in the American States. Presented at the Midwest Political Science Association Meetings. American Political Science Association Meetings.

The Effects of Canvassing, Phone Calls, and Direct Mail on Voter Turnout: A Field Experiment. Presented at Harvard University/CBRSS Conference on Experimentation.

Panelist, Campaign Finance Roundtable. Meetings of the American Economic Association.

The Effects of Canvassing, Phone Calls, and Direct Mail on Voter Turnout: A Field Experiment. Presented at Stanford University, Graduate School of Business. University of California, Berkeley.

Tracking Opinion over Time: A Method for Reducing Sampling Error. Presented at the American Association of Public Opinion Research Meetings.

Can a Non-Partisan GOTV Campaign Boost Turnout? The Findings of a Large Scale Experiment Employing a Variety of Methods, Messages, and Intensities. Presented at the Midwest Political Science Association Meetings. Presented at the American Political Science Association Meetings.

Chair, The Political Economy of Elections, Campaigns, and Voting. American Political Science Association Meetings.

Perceptual Bias in the Interpretation of Evidence on Perceptual Bias. Presented at the Midwest Political Science Association Meetings.

Rational Voters, Campaign Spending, and Incomplete Information. Presented at the Midwest Political Science Association Meetings.

Referee for: American Political Science Review, American Journal of Political Science, Journal of Law and Economics, Journal of Political Economy, Journal of Politics, Journal of Public Economics, Legislative Studies Quarterly, Review of Economics and Statistics, Economics and Politics, National Science Foundation.

EXHIBIT F

ERIC M. GRUBMAN, M.D., F.A.C.C., N.A.S.P.E CIRRICULUM VITAE

Specialties:

- Cardiovascular Consultations
- Electrophysiology
- Cardiac Pacemaker & ICD Implantation

Started Practice:

- 1998

Board Certifications:

- Diplomate; National Board Of Medical Examiners, 1991.
- Diplomate; The American Board Of Internal Medicine, 1993.
- Diplomate; The American Board Of Internal Medicine' Cardiovascular Disease, 1998.

Current Hospital Positions:

- Attending Physician, Yale New Haven Hospital
- Attending Physician, Hospital of St. Raphael

Academic Appointments:

- Clinical Instructor
Yale University School of Medicine
New Haven, Connecticut.

Professional Background & Educational Training:

College

Dartmouth College, 1984.

Graduate School

Georgetown University, 1985-1986.

Medical School

Georgetown University, School of Medicine, 1986-1990
Washington, D.C.

Advanced Training

Medical Internship and Residency, 1990 - 1993.
The Mount Sinai Medical Center New York, NY.

Chief Resident in Medicine, 1993 - 1994. The Mount Sinai Medical Center, New York, NY.
Fellowship in Cardiovascular Medicine, 1994 - 1998. Hospital of The University of

Pennsylvania, Philadelphia, PA.

Fellowship in Cardiac Pacing and Electrophysiology, 1996 - 1998. Hospital of The University of Pennsylvania, Philadelphia, PA.

Professional Organizations:

- Fellow; The American College Of Cardiology.
- Associate; The American College Of Physicians.

Honors & Awards:

- Physician Of The Year; 1994. The Mount Sinai Medical Center New York, NY.
- Merck Outstanding Fellowship Teaching Award; 1997. Hospital of The University of Pennsylvania, Philadelphia, PA.

Publications:

- Grubman, E.M., Pavri, B.B., Shipman, T., Britton, N., Kocovic, D.Z., Cardiac death and stored electrograms in patients with third generation implantable cardioverter-defibrillators. *Journal of the American College of Cardiology*
- Grubman, E.M., Hanna M., Pavri, B.B., Kocovic, D.Z., Arrhythmia of the Month: What is the mechanism of the arrhythmia? *Journal of Cardiovascular Electrophysiology*
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