

UNIVERSITY OF PENNSYLVANIA - SCHOOL OF MEDICINE

Curriculum Vitae

February 2006

**Christopher M. Clark, M.D.**

<b><u>Education:</u></b>	1964-67	B.S. Pennsylvania State University
	1967-69	University of Pennsylvania School of Veterinary Medicine
	1969-73	M.D. Jefferson Medical College

**Postgraduate Training and Fellowship Appointments:**

	1973-74	Medical Internship, Pennsylvania Hospital
	1974-77	Neurology Residency, Neurological Institute, Columbia Presbyterian Medical Center, New York
	1976-77	Muscular Dystrophy Research Fellow, Columbia Presbyterian Medical Center, New York.

**Faculty Appointments:**

	1977 - 79	Clinical Associate in Neurology, University of Pennsylvania School of Medicine
	1979 - 85	Clinical Assistant Professor of Neurology, University of Pennsylvania School of Medicine
	1986 - 89	Assistant Professor of Neurology, Duke University Medical Center, Durham, NC
	1987 - 89	Senior Fellow, Center for the Study of Aging and Human Development, Duke University Medical Center, Durham, NC
	1989 - 90	Lecturer in Neurology, University of Pennsylvania
	1990 - 99	Assistant Professor of Neurology, University Pennsylvania
	1991-	Fellow, Institute On Aging, University of Pennsylvania
	1999 -	Associate Professor of Neurology, University of Pennsylvania

**Hospital and Administrative Appointments:**

	1981-1985	Director, EMG-Evoked Potentials Laboratory, Pennsylvania Hospital
	1986-1989	Director, Memory Disorders Clinic, Duke University Medical Center
	1986-1989	Clinical Director, Joseph and Kathleen Bryan Alzheimer's Disease Research Center, Duke University
	1989-1995	Director, Memory Disorders Service, Graduate Hospital
	1994-	Associate Director, Alzheimer's Disease Center

- 1994- Clinical Core Leader, Alzheimer's Disease Center
- 1995-1999 Education and Information Transfer Core Leader, Alzheimer's Disease Center
- 1995- Director, Memory Disorders Clinic, University of Pennsylvania Medical Center
- 1995- Clinical Core Leader, Molecular Substrates of Aging and Neuronal Death Program Project
- 1998-1999 Co-Chair Neuroscience Quality Insurance Committee.

**Specialty Certification:**

- 1978 American Board of Psychiatry and Neurology (Neurology)
- 1982 American Association of Electromyography and Electrodiagnosis

**Licensure:**

- Pennsylvania - MD-019224E
- New York (inactive) - 120308
- New Jersey (inactive) - 36167
- North Carolina (inactive) - 29830

**Awards, Honors and Membership in Honorary Societies:**

- 1967 Phi Sigma Society, National Biological Honorary
- 1994 Philadelphia Magazine "Top Doc" for Alzheimer's disease.
- 1995 Philadelphia Magazine "Top Doc" for Alzheimer's disease.
- 1996 Philadelphia Magazine "Top Doc" for Alzheimer's disease.
- 1996 Best Doctors In America: Northeast Region
- 1997 Philadelphia magazine - "Top doc" for Alzheimer's disease.
- 1998 Philadelphia Magazine "Top Doc" for Alzheimer's disease.
- 1999 The Best Doctors in America listing, 4<sup>th</sup> edition
- 1999 Philadelphia Magazine "Top Doc" for Memory Disorders
- 2000 Philadelphia Magazine "Top Doc" for Memory Disorders
- 2002 Philadelphia Magazine "Top Doc" for Memory Disorders
- 2003 Philadelphia Magazine "Top Doc" for Memory Disorders
- 2004 Philadelphia Magazine "Top Doc" for Memory Disorders

**Memberships in Professional Societies:**

- International: Research Committee of the World Federation of Neurology (1978-80)  
Alzheimer's Disease International, Medical and Scientific Advisory Panel (1997-present)

National: American Academy of Neurology (1978 - present)  
American Association of Electromyography and Electrodiagnosis (1980-86)

Local: Myasthenia Gravis (Phila. Chapter) Medical Advisory Board, (1985)  
Philadelphia Neurological Society (1990 - present)  
Southeastern Pennsylvania Chapter of the Alzheimer's Association,  
Director, New Program Development (1995 - present)  
Southeastern Pennsylvania Chapter of the Alzheimer's Association, Board of  
Directors (1998 - present)

National Scientific Committees:

National Institute on Aging administrative site visit, Committee chairperson,  
University of Rochester Alzheimer's Disease Center. PG30 AG08665.  
1996.

Alzheimer's Disease Centers Executive Committee. October 1, 2001 –  
present.

National Alzheimer's Coordinating Center Steering Committee. October 1,  
2001 – present.

National Institute on Aging Workshop on Genetics in Late Onset  
Alzheimer's Disease. March 18-19, 2002. Bethesda MD.

Local Scientific Committee:

Philadelphia Neurological Society (1990 - present) Member

Southeastern Pennsylvania Chapter of the Alzheimer's Association Medical  
and Scientific Advisory Board, (1990 - present)

Southeastern Pennsylvania Chapter of the Alzheimer's Association, Chair,  
Medical-Scientific Advisory Board (1998 - present)

Southeastern Pennsylvania Chapter of the Alzheimer's Association, Board of  
Directors (1998 - present)

**Editorial Position:**

1995 - Contributing Editor, Journal of Gerontology: Biological Sciences for the  
neuroscience of Alzheimer's disease

**Academic Committees at the University of Pennsylvania and Affiliated Hospitals:**

1996-1997 Member, General Clinic Research Center Review Committee

1997-2000 Member, Institutional Review Board

1999-2000 Leader, Dementia Disease Management Protocol Development, University  
of Pennsylvania Health System

1999-2000 Member, Center for Bioethics Review Committee

## **Major Teaching and Clinical Responsibilities for the University of Pennsylvania and Affiliated Hospitals:**

Memory Disorders Outpatient Clinic, three half-days per week.

Preceptor, Geriatric Medicine teaching clinic. (1996 – current), one half day per week.

Latino Memory Disorders Clinic at Episcopal Hospital, one half day per month.

Directs experimental drug protocols.

Instructor, Medicine 101-B.

Instructor, Neurology 110.

Lecturer, Brain & Behavior course, University of Pennsylvania School of Medicine

Developer/Instructor, Medicine 126 Living with Dementia course.

Attending in Neurology 2 months/year.

Supervise Neurology 200 students 2 months/year.

Preceptorship for visiting international medical student (April-September, 1996; January – August 1998)

Preceptor, Bioethical Issues in Surrogate Decision Making for Patients with Alzheimer's disease (Independent study, BBB 399). Spring Semester 1997.

Thesis committee, Genevieve Jacques, Rowan University, 2004

## **Lectures by Invitation: (since 1998)**

April 2, 1998 Cutting-Edge Developments in the Diagnosis of Alzheimer's Disease. In Alzheimer's Disease: Research and Therapeutic Advances Symposium, Philadelphia, PA.

June 14, 1998 Biomarkers for Alzheimer's disease. Biomarkers Working Group meeting sponsored by the National Institute on Aging. Bethesda MD.

Oct 24, 1998 Diagnosis and treatment of Alzheimer's disease. In Update on the Diagnosis and Management of Parkinson's Disease and Dementia. Philadelphia, PA.

Feb 12, 1999 Diagnosis and treatment of neurodegenerative dementia. Department of Neurology Grand Rounds, Penn State - Geisinger Medical Center, Danville, PA

Feb 12, 1999 Alzheimer's disease: Current Concepts. Department of Medicine Grand Rounds, Penn State - Geisinger Medical Center, Danville, PA.

Jun 18, 1999 Dementia and Cognitive Impairment - a Multidisciplinary Response. Delaware Valley Geriatric Education Center, University of Pennsylvania.

Jun 24, 1999 Biomarkers in the diagnosis of mild Cognitive Impairment. Symposium on Current Concepts in Mild Cognitive Impairment, Chicago, IL

Sep 28, 1999 CSF tau as a biomarker of Alzheimer's disease. At the Imaging and Biological Markers for Diagnosis and Progression of Alzheimer's Disease. A workshop organized by the National Institute on Aging, Bethesda, MD.

- Oct 15, 1999 Alzheimer's disease treatment. Ware Symposium, University of Pennsylvania.
- Nov 6, 1999 Dementia: Identification and management. Penn Neurology 2000. Hamilton, Bermuda.
- Nov 22, 1999 Biological markers in mild cognitive impairment and Alzheimer's disease. Dept. of Neurology, Baylor College of Medicine, Houston TX.
- July 9, 2000 Conflicts of Interest: Ethical issues in the treatment of Alzheimer's disease. World Alzheimer Congress, Washington DC
- Nov 9, 2001 Evaluation and treatment of AD and prodromal AD. Penn Neurology Update 2001. Bermuda.
- Jan 26, 2002 Mild cognitive impairment & Alzheimer's disease: Recognition, relationship & treatment. 4th annual Dementia Management Conference. Thomas Jefferson University College of Health Professions.
- May 23, 2002 Randomized Clinical Trials: Design & Methods. Center for Excellence on Minority Health & Office of Vice Dean of Research, University of Pennsylvania.
- Oct 4, 2002 Neurodegenerative dementia. Clinical Neuroscience Track Symposium, University of Pennsylvania
- Nov 9, 2002 Alzheimer's disease : diagnosis and treatment. NeuroTherapies: What's New for the Treatment of Neurological Conditions, Annenberg Center for Health Sciences at Eisenhower, Philadelphia PA.
- Nov 15, 2002 Biomarkers in Dementia - Who needs them? Geriatric Grand Rounds, University of Pennsylvania
- Nov 19, 2002 Biomarkers in Dementia. Neurology Grand Rounds, New York University , New York City.
- Nov 21, 2003 Estrogen and the risk for Alzheimer's disease. FOCUS symposium, University of Pennsylvania.
- Dec 19, 2002 Biomarkes in Dementia. Neurology Grand Rounds, University of Pennsylvania.
- May 7, 2003 Mild cognitive impairment and Alzheimer's disease: Recognition, relationship and treatment. Dementia Management 2003: Innovative strategies in providing care. Jefferson College of Health Professions and The Farber Institute for Neurosciences, Thomas Jefferson University, Philadelphia, PA.
- Jun 23, 2003 Biomarkers of dementia in population-based household surveys of older adults. Invited presenter and discussant. Center on Demography and Economics of Aging, University of Chicago, Chicago, IL.
- Jul 7, 2003 Diagnostic evaluation of elderly patients with memory problems. Academia Latinoamericana de Medicina del Adulto Mayor, Organizacion Paname3ricana de la Suld. Mexico City, Mexico.

- Jul 7, 2003 Mild Cognitive Impairment: Diagnosis and relationship to Alzheimer's disease. Academia Latinoamericana de Medicina del Adulto Mayor, Organizacion Paname3ricana de la Suld. Mexico City, Mexico.
- Aug 4, 2003 Molecular basis and biochemical manifestations of Alzheimer's disease. National Medical Association Annual Scientific Assembly and Convention, Philadelphia, PA.
- Oct 18, 2003 Biomarkers of AD: Strategies for discovery and current status as markers of pathology and reporters of disease activity. Symposium: Alzheimer's Disease Center Directors meeting. San Francisco, CA.
- Feb 11, 2004 How well to CSF tau and  $\beta$ -amyloid levels predict a patient's autopsy confirmed dementia diagnosis. Symposium: Recent Advances of Diagnostic Marker for Alzheimer's Disease and Related Disorders. International Congress of Biological Psychiatry. Sydney Australia.
- Feb 23, 2004 Estrogen and memory: Friend or foe. FOCUS on Health & Leadership for Women seminar series. School of Medicine, University of Pennsylvania, Philadelphia, PA.
- Feb 4, 2005 Mild Cognitive Impairment: When is it Alzheimer's Disease. Dementia Management Conference, Thomas Jefferson University, Philadelphia, PA.
- Feb 25, 2005 Biomarkers for the Detection of Alzheimer's Disease. Department of Neurology Grand Rounds, Thomas Jefferson University, Philadelphia, PA
- May 25, 2005 Alzheimer's Disease Overview. Food and Drug Administration Staff College "Meet the Experts Neurological Interest Group Seminar Series", Gaithersburg, MD.
- July 22, 2005 Biomarkers of Late Life Dementia. Novartis Foundation Symposium on Mild Cognitive Impairment. London, UK.
- Nov 6, 2005 Biochemical Biomarkers. Alzheimer's Association Research Roundtable, Washington, DC.

**National Review Panels**

- 2005 National Science Foundation/National Institutes of Health Collaborative Research in Computational Neuroscience
- 2005 Epidemiology of Clinical Disorders and Aging (EPDA) Study Section, Health of the Population Integrated Review Group. National Institute on Aging, National Institutes of Health
- 2005 Neurological, Aging, and Musculoskeletal Epidemiology Study Section, Center for Scientific Review, National Institutes of Health. Replaces EPDA study section.

**Organizing Roles in Scientific Meetings:**

- Nov. 6, 1998 Education and Information Transfer Core meeting. organizer. Alzheimer's Disease Center Annual Meeting, Los Angeles, CA.

October 18, 2003 Meeting organizer. Fall Alzheimer's Disease Center Directors Meeting, San Francisco, CA.

April 24, 2004 Meeting organizer. Spring Alzheimer's Disease Center Directors Meeting, San Francisco, CA.

July 18, 2004 9<sup>th</sup> International Conference on Alzheimer's Disease and Related Disorders, Seminar Chairman, Biomarkers

## **Bibliography:**

### Research Publications, peer reviewed:

- Pericak-Vance, M.A., Yamaoka, L.H., Haynes, C.S., Speer, M.C., Haines, J.L., Gaskell, P.C., Hung, W.Y., Clark, C.M., Heyman, A.L., Trofatter, J.A., Eisenmenger, J.P., Gilbert, J.R., Lee, J.E., Alberts, M.J., Dawson, D.V., Bartlett, R.J., Earl, N.L., Siddique, T., Vance, J.M., Conneally, P.M., Roses, A.D.: Genetic linkage studies in Alzheimer's disease families. *Exp Neurol* **102**:271-9, 1988.
- Roses, A.D., Pericak-Vance, M.A., Yamaoka, L., Haynes, C., Speer, M., Gaskell, P., Hung, W.Y., Clark, C.M., Heyman, A.L., Trofatter, J., Earl, N.L., Gilbert, J.R., Lee, J.E., Alberts, M.J., Dawson, D., Bartlett, R.J., Siddique, T., Vance, J., Conneally, P.M.: Linkage studies in familial Alzheimer's disease. *Prog Clin Biol Res* **317**:201-215, 1989.
- Nemeroff, C.B., Krishnan, K.R., Belkin, B.M., Ritchie, J.C., Clark, C.M., Wylie, W.V., Rivier, J.E., Thorner, M.O.: The Growth Hormone Response to Growth Hormone-Releasing Factor in Alzheimer's Disease. *Neuroendocrinology* **50**:663-666, 1989.
- Morris, J.C., Heyman, A.L., Mohs, R.C., Hughes, J.P., van Belle, G., Fillenbaum, G., Mellits, E.D., Clark, C.M.: The Consortium to Establish a Registry for Alzheimer's Disease (CERAD) Part I. Clinical and Neuropsychological Assessment of Alzheimer's Disease. *Neurology* **39**:1159-1165, 1989.
- Dawson, D.V., Roses, A.D., Pericak-Vance, M.A., Kaplan, E.B., Elston, R.C., Hayes, C.S., Gaskell, P.C., Heyman, A.L., Clark, C.M., Earl, N.L.: Sib-pair linkage analysis in late onset Alzheimer's disease. *Prog Clin Biol Res* **317**:223-228, 1989.
- Schiffman, S.S., Clark, C.M., Warwick, Z.S.: Gustatory and Olfactory Dysfunction in Dementia; Not Specific to Alzheimer's Disease. *Neurobiol Aging*, **11**:597-600, 1990.
- Roses, A.D., Pericak-Vance, M.A., Clark, C.M., Gilbert, J.R., Yamaoka, L.H., Haynes, C.S., Speer, M.C., Gaskell, P.C., Hung, W.Y., Trofatter, J.A., Earl, N.L., Lee, J.E., Alberts, M.J., Dawson, D.V., Bartlett, R.J., Siddique, T., Vance J.M., Conneally, P.M., Heyman, A.L.: Linkage studies of late-onset familial Alzheimer's disease. *Adv Neurol* **51**:185-196, 1990.
- Heyman, A.L., Fillenbaum, G., Prosnitz, B., Raiford, K., Burchett, B., Clark, C. Estimated Prevalence of Dementia among elderly black and white community residents. *Arch Neurol* **48**:594-598, 1991.
- Alberts, M., Pericak-Vance, M., Royal, V., Bebout, J., Gaskell, P., Thomas, J., Hung, W., Clark, C.M., Earl, N., Roses, A.: Genetic Linkage Analysis of Nerve Growth Factor (Beta) in Familial Alzheimer's Disease. *Ann Neurol* **30**:216-219, 1991.
- Schellenberg, G., Pericak-Vance, J., Wijsman, E., Moore, D., Gaskell, P., Yamaoka, L., Bebout, J., Anderson, L., Welsh, K., Clark, C.M.: Linkage analysis of familial Alzheimer disease, using chromosome 21 markers. *Am J Hum Genet* **48**:563-583, 1991.
- Siegler, J.C., Welsh, K.A., Dawson, D.V., Fillenbaum, G.G., Earl, N.L., Kaplan, E.B., Clark, C.M.: Ratings of personality change in patients being evaluated for memory disorders. *Alzheimer Dis Assoc Disord* **5**:240-250, 1991.
- Morris, J.C., Edland, S., Clark, C.M., Galasko, D., Koss, E., Mohs, R.C., vanBelle, G., Fillenbaum, G., Hayman, A.: The Consortium to Establish a Registry for Alzheimer's Disease

- (CERAD). Part IV: rates of cognitive change, a longitudinal assessment of probable Alzheimer's disease. *Neurology* 43:2457-2465, 1993.
- Silverman, J., Raiford, K., Edland, S., Fillenbaum, G., Morris, J., Clark, C.M., Kukull, W., Heyman, A.: The Consortium to Establish a Registry for Alzheimer's Disease (CERAD). Part VI. Family History Assessment: A multicenter study of first-degree relatives of Alzheimer's disease probands and non-demented spouse controls. *Neurology* 44:1253-1259, 1994.
- Galasko, D., Edland, S., Thal, L., Van Bell, G., Morris, J., Clark, C.M., Koss, E.: Clinical Milestones reached by Alzheimer's Disease patient over two years - a CERAD study. *Neurology* 45:1451-1455, 1995.
- Glosser, G., Clark, C.M., Freundlich, B., Kliner-Krenzel, L., Flaherty, P.H., Stern, M.: A Controlled Investigation of Current and Premorbid Personality; Characteristics of Parkinson's Disease Patients. *Mov Disorders* 10:201-206, 1995.
- Hulette, C., Mirra, S., Wilkinson, W., Heyman, A., Fillenbaum, G., Clark, C.M.: A Prospective Clinical-Neuropathological Study of Parkinson's Features in Alzheimer's Disease: The CERAD Experience. *Neurology* 45:1991-1995, 1995.
- Motter, R., Green, R., Vigo-Pelfrey, C., Olson, D., Kholodenko, D., Southwick, P., Barbour, R., Wolfert, R., Johnson-Wood, K., Munroe, B., Galasko, D., Lieberburg, I., Chang, L., Seubert, P., Miller, B., Shenk, D., Clark, C.M.: Reduction of Amyloid Beta Peptide<sub>42</sub> and Elevation of Tau in the CSF of Alzheimer's Patients. *Ann Neurol* 28:643-648, 1995.
- Arai, H., Terajima, M., Miura, M., Higuchi, S., Muramatsu, T., Machida, N., Seki, H., Takase, S., Clark, C.M., Lee, V., Trojanowski, J., Sasaki, H.: Tau in cerebrospinal Fluid: Implications for a Potential Diagnostic Marker in Alzheimer's Disease. *Ann Neurol* 38:649-652, 1995.
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- DeCarli, C., Grady, C., Clark, C.M., Murphy, D., Haxby, J., Salerno, J., Gillette, J., Gonzalez-Aviles, A., Rapoport, S.: The Effect of White Matter Abnormalities on Positron Emission Tomography, Cognition, and Brain Volume In Patients with Alzheimer's Disease. *J Neurol Neurosurg Psychiatry* 60:158-67, 1996.
- Koss, E., Edland, S., Fillenbaum, G., Mohs, R., Clark, C., Galasko, D., Morris, J.: Clinical and neuropsychological differences between Patients with earlier and later onset of Alzheimer's Disease: A CERAD Analysis, Part XII. *Neurology* 46:136-141 1996.
- Clark, C.M., Ewbank, D.C. Performance of the Dementia Severity Rating Scale: A Caregiver Questionnaire for Rating Severity in Alzheimer's Disease. *Alzheimer Dis Assoc Disord* 10:31-39, 1996.
- Trojanowski, J.T., Clark, C.M., Arai, H., Lee, V.M.-Y. Elevated Levels of Tau in Cerebrospinal Fluid: Implications for the Antemortem Diagnosis of Alzheimer's Disease. *Alzheimer's Disease Review* 1:77-83 1996.
- Olin, J.T., Schneider, L.S., Doody, R.S., Clark, C.M., Ferris, S., Morris, J.C., Schmitt, F.: Evaluating global change in Alzheimer's disease: Identifying Consensus. *J Geriatr Psychiatry Neurol* 9:176-180, 1996.
- Schneider, L.S., Olin, J.T., Doody, R.S., Clark, C.M., Morris, J.C., Reisberg, B., Schmitt, F., Thomas, R., Ferris, S.: Validity and reliability of the Alzheimer's Disease Cooperative Study - Clinical Global Impression of Change. *Alzheimer Dis Assoc Disord* 11 (suppl 2):S22-S32, 1997.
- Galasko, D., Clark, C.M., Chang, L., Miller, B., Green, R.C., Motter, R., Seubert, MPH. Assessment of Cerebrospinal Fluid Levels of Tau Protein in Mildly Demented Patients with Alzheimer's Disease. *Neurology* 48:632-635, 1997.

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- Schmitt, F., Ashford, W., Ernesto, C., Saxton, J., Schneider, L., Clark, C.M., Ferris, S., Mackel, J., Schafer, K., Thal, L., and the Alzheimer's Disease Cooperative Study Units. The Severe Impairment Batter: Concurrent validity and the assessment of longitudinal change in Alzheimer's disease. *Alzheimer Dis Assoc Disord* 11 (suppl 2):S51-S56, 1997.
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- Arai H., Clark C.M., Ewbank D.C., Takase S., Higuchi S., Miiura M., Seki H., Higuchi M., Matsui T., Lee V.M.-Y., Trojanowski, J.Q., Sasaki H. Cerebrospinal Fluid Tau Protein as a Potential Diagnostic Marker in Alzheimer's disease. *Neurobiol Aging* 19 (2): 125-126, 1998.
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- Clark, C.M., Sheppard L, Fillenbaum GG, Galasko D, Morris JC, Koss E, Mohs R, Heyman A, and the CERAD investigators. Variability in annual Mini-mental State score in patients with probable Alzheimer's disease: A clinical perspective of data from CERAD (Consortium to Establish a Registry for Alzheimer's Disease). *Arch of Neurol* 56: 857-862, 1999.
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Interviews (since 1996):

6/13/96 Telephone interview on "New Alzheimer's Disease Drugs" by Lynne Peterson, for an article in Grassroots Research, a newsletter for the investment community.

2/3/97 Half-hour live radio interview on Alzheimer's disease by Tom Giusto, WUSB, Long Island NY. (Public Radio station on SUNY campus).

6/9/97 Telephone interview on ethics and conflict of interest issues in clinical research involving patients with dementia, Richard Whitt (reporter), Atlanta Constitution (newspaper).

- 6/30/97 Half-hour tapped radio interview on Alzheimer's disease, Barbara Bogaev (host, Health Watch), WXPB, (Public Radio station PENN campus)
- 7/8/97 Telephone interview on the use of DNA in patients with Alzheimer's disease, Eileen Baum (reporter), Remedy Magazine.
- 8/11/97 Tapped television interview on neurodegenerative disease, Anna Marie Chwastiak, M.D. (host, Good Day Philadelphia), WTFX, (FOX, affiliate) Channel 29.
- 8/19/97 Half-hour live television on Alzheimer's disease, Lori Buckholde (co host, 12:30 LIVE), WGAL (NBC affiliate) Lancaster, Channel 8.
- 9/16/97 Radio interview on Alzheimer's disease (25 minutes) WIOQ (FM 102) "The Philadelphia File" public service program. Host Valerie Knight.
- 10/6/97 Radio interview on relationship between Alzheimer's disease and this years award of the Nobel Prize for Medicine and Physiology. Tracy Tannebaum WXPB.
- 11/4/97 Radio show program (live). WHYI - Radio Times with host Marty Moss-Coane.
- 3/10/98 Interview by Medial Tribune regarding Alzheimer's disease article to be published that week in JAMA.
- 3/15/98 Radio interview on recent research in Alzheimer's disease. John Markcavage, host, WPEP, Phila. PA.
- 7/27/98 Phone interview by Cathy Driscoll, reporter for the Cape Cod Times. Subject: Background information on Alzheimer's disease.
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- 6/5/01 Use of home olfactory evaluation as screen for Alzheimer's disease. Interview, Gabriella Redford, Modern Maturity Magazine,

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**Patents:**

None