

**CURRICULUM VITAE**  
**James Van Loan Haxby**

Personal Data

Date of Birth: May 20, 1951  
Place of Birth: Minneapolis, Minnesota

Home Address

3 North Balch Street  
Hanover, NH 03755

Current Status

Evans Family Distinguished Professor  
Director, Center for Cognitive Neuroscience  
Director, Dartmouth Brain Imaging Center  
Department of Psychological and Brain Sciences  
Dartmouth College  
Hanover, NH 03755  
Voice telephone: 603-646-0038  
email: [james.v.haxby@dartmouth.edu](mailto:james.v.haxby@dartmouth.edu)

Professor  
Center for Mind/Brain Sciences (CIMeC)  
Faculty of Cognitive Science  
University of Trento  
Rovereto, Italy

Education

1970-1973 Carleton College  
Northfield, Minnesota  
B.A. in Psychology, magna cum laude  
1973-1974 Universität Bonn  
Bonn, West Germany  
Fulbright-DAAD Scholar  
1974-1981 University of Minnesota  
Minneapolis, Minnesota  
Ph.D. in Clinical Psychology

Academic Awards and Honors

Phi Beta Kappa  
Fulbright-DAAD Scholarship

NIH Director's Award  
External Scientific Member of the Max Planck Society

Professional Society Memberships

Cognitive Neuroscience Society  
Organization for Human Brain Mapping  
    Council Member 1997-1998; Chair, Bylaws Committee  
    Council Member 2001-2004; Council Chair  
Society for Neuroscience

Work Experience

1975-1976   Clinical Psychology Clerkship  
              Minneapolis V.A. Medical Center

1976-1978   Clinical Psychology Internship (A.P.A. approved)  
              Minneapolis V.A. Medical Center

1976-1978   Instructor  
              University of Minnesota, 4 semesters

1978-1982   Health Sciences Specialist  
              Behavioral Neurology/Neuropsychology Unit  
              Minneapolis V.A. Medical Center

1982         Visiting Assistant Professor  
              Department of Psychology  
              University of Maryland Baltimore County  
              Catonsville, Maryland

1982-1989   Senior Staff Fellow  
              Laboratory of Neurosciences  
              National Institute on Aging, NIH  
              Bethesda, Maryland

1989-1993   Research Psychologist (tenured)  
              Chief, Neuropsychology Unit  
              Laboratory of Neurosciences  
              National Institute on Aging, NIH  
              Bethesda, Maryland

1993 – 2002   Section Chief  
              Section on Functional Brain Imaging  
              Laboratory of Brain and Cognition  
              National Institute of Mental Health, NIH  
              Bethesda, Maryland

2002-2007   Professor  
              Department of Psychology  
              Princeton University

2003-2004   Acting Director  
              Center for the Study of Brain, Mind, and Behavior  
              Princeton University

- 2008- Evans Family Distinguished Professor  
Director, Center for Cognitive Neuroscience  
Director, Dartmouth Brain Imaging Center  
Department of Psychological & Brain Sciences  
Dartmouth College
- 2011- Professor  
Center for Mind/Brain Sciences (CIMeC)  
Faculty of Cognitive Science  
University of Trento  
Rovereto, Italy

### Publications

1. Morley, G.K., Lundgren, S., and Haxby, J.V. Comparison and applicability of auditory comprehension scores on the Behavioral Neurology Deficit Evaluation, Boston Diagnostic Aphasia Examination, Porch Index of Communicative Ability, and Token Test. *Journal of Clinical Neuropsychology*, 1979, 1, 249-258.
2. Morley, G.K., Haxby, J.V., and Lundgren, S. Memory, aging and dementia. In G. Maletta and F.J. Pirozzolo (Eds.), *The aging nervous system: Volume I*. New York: Praeger, 1980.
3. Pirozzolo, F.J., Kerr, K.L., Obrzut, J.E., Morley, G.K., Haxby, J.V., and Lundgren, S. Neurolinguistic analysis of the language abilities of a patient with a "double disconnection syndrome": a case of subangular alexia in the presence of mixed transcortical aphasia. *Journal of Neurology, Neurosurgery, and Psychiatry*, 1981, 44, 152-155.
4. Haxby, J.V., Lundgren, S., and Morley, G.K. Short-term retention of verbal, visual shape, and visuospatial location information in normal and amnesic subjects. *Neuropsychologia*, 1983, 21, 25-34.
5. Schwartz, M., Duara, R., Haxby, J.V., Grady, C., White, B.J., Kessler, R.M., Kay, A.D., Cutler, N.R. Rapoport, S.I. Brain metabolism in adult Down syndrome. *Science*, 1983, 221, 781-783.
6. Haxby, J.V. Neuropsychology and cerebral metabolism in dementia. In N.R. Cutler (Moderator) Brain imaging: Aging and dementia. *Annals of Internal Medicine*, 1984, 3, 362-364.
7. Duara, R., Grady, C.L., Haxby, J.V., Ingvar, D., Sokoloff, L., Kessler, R.M., Cutler, N.R., and Rapoport, S.I. Human brain glucose utilization and cognitive function in relation to age. *Annals of Neurology*, 1984, 16, 702-713.

8. Haxby, J.V., Duara, R., Grady, C.L., Cutler, N.R., and Rapoport, S.I. Relations between neuropsychological and cerebral metabolic asymmetries in early Alzheimer's disease. *Journal of Cerebral Blood Flow and Metabolism*, 1985, 5, 193-200.
9. Haxby, J.V. Neuropsychological studies of dementia in Down syndrome. In N.R. Cutler (moderator): Alzheimer's disease and Down's syndrome: New insights. *Annals of Internal Medicine*, 1985, 103, 572-574.
10. Haxby, J.V. and Rapoport, S.I. Asymmetry of regional brain metabolism and cognitive function in Alzheimer's disease. *Journal of Geriatric Nursing*, 1985, 6, 200-204.
11. Cutler, N.R., Haxby, J.V., Narang, P.K., May, C., Burg, C. and Reines, S.A. Evaluation of an analogue of somatostatin (L363,586) in Alzheimer's disease. *New England Journal of Medicine*, 1985, 312, 725.
12. Cutler, N.R., Haxby, J.V., Kay, A.D., Narang, P.K., Lesko, L., Costa, J.L., Ninos, M., Power, M., Linnoila, M., Potter, W.Z., Vanskiver, C., and Renfrew, J.W. Evaluation of zimelidine in Alzheimer's disease: cognitive and biochemical measures. *Archives of Neurology*, 1985, 42, 744-748.
13. Cutler, N.R., Haxby, J.V., Duara, R., Grady, C.L., Kay, A.D., Kessler, R.M., Sundaram, M., and Rapoport, S.I. Clinical history, brain metabolism, and neuropsychological function in Alzheimer's disease. *Annals of Neurology*, 1985, 18, 298-309.
14. Cutler, N.R., Haxby, J.V., Duara, R., Grady, C.L., Moore, A.M., Parisi, J.E., White, B.J., Heston, L., Margolin, R.M., and Rapoport, S.I. Brain metabolism as measured with positron emission tomography: serial assessment in a patient with familial Alzheimer's disease. *Neurology*, 1985, 35, 1556-1561.
15. Haxby, J.V. Cerebral metabolic rate of glucose and Alzheimer's disease: the author replies. *Journal of Cerebral Blood Flow and Metabolism*, 1986, 6, 125-127.
16. Haxby, J.V., Grady, C.L., Duara, R., Robertson-Tchabo, E.A., Koziarz, B., Cutler, N.R., and Rapoport, S.I. Relations among age, visual memory, and resting cerebral metabolism in 40 healthy men. *Brain and Cognition* 1986, 5, 412-427.
17. Haxby, J.V., Grady, C.L., Duara, R., Schlageter, N., Berg, G., and Rapoport, S.I. Neocortical metabolic abnormalities precede non-memory cognitive deficits in early Alzheimer-type dementia. *Archives of Neurology* 1986, 43, 882-885.
18. Haxby, J.V. and Rapoport, S.I. Abnormalities of regional brain metabolism in Alzheimer's disease and their relation to functional impairment. *Progress in Neuro-Psychopharmacology and Biological Psychiatry* 1986, 10, 427-438.

19. Berg, G., Grady, C.L., Sundaram, M., Haxby, J.V., Moore, A.M., White, J., Heston, L., Rapoport, S.I., Avioli, L.V. Positron emission tomography in dementia of the Alzheimer type: A brief review with a case study. *Archives of Internal Medicine*, 1986, 146, 2045-2049.
20. Creasey, H., Schwartz, M., Frederickson, H., Haxby, J.V., Cutler, N.R., and Rapoport, S.I. Quantitative computed tomography in dementia of the Alzheimer type. *Neurology*, 1986, 36, 1563-1568.
21. Duara, R., Grady, C.L., Haxby, J.V., Sundaram, M., Cutler, N.R., Heston, L.L., Moore, A., Schlageter, N.L., Larson, S. and Rapoport, S.I. Positron emission tomography in Alzheimer's disease. *Neurology* 1986, 36, 879-887.
22. Grady, C.L., Haxby, J.V., Schlageter, N.L., Berg, G., and Rapoport, S.I. Stability of metabolic and neuropsychological asymmetries in dementia of the Alzheimer type. *Neurology* 1986, 36, 1390-1392.
23. Kay, A.D., Milstien, S., Kaufman, S., Creasey, H., Haxby, J.V., Cutler, N.R., and Rapoport, S.I. Cerebrospinal fluid biopterin is decreased in Alzheimer's disease. *Archives of Neurology*, 1986, 43, 996-999.
24. Rapoport, S.I., Horwitz, B., Haxby, J.V., and Grady, C.L. Alzheimer's disease: Metabolic uncoupling of associative brain regions. *Canadian Journal of Neurological Sciences* 1986, 13, 540-545.
25. Schapiro, M.B., Haxby, J.V., Grady, C.L., and Rapoport, S.I. Cerebral glucose utilization, quantitative tomography, and cognitive function in adult Down syndrome. In C.J. Epstein (Ed.): *Neurobiology of Down syndrome*. New York: Raven Press, 1986, pp 89-108.
26. Haxby, J.V., Grady, C.L., Friedland, R.P., Rapoport, S.I. Neocortical metabolic abnormalities precede nonmemory cognitive impairments in early dementia of the Alzheimer type: Longitudinal confirmation. In R.J. Wurtman, S.H. Corkin, J.H. Growdon (Eds.) *Alzheimer's disease: Advances in basic research and therapies. Proceedings of the fourth meeting of the International Study Group on the Pharmacology of Memory Disorders Associated with Aging*. Cambridge, Massachusetts, Center for Brain Sciences and Metabolism Charitable Trust, pp.419-424. Reprinted in *Journal of Neural Transmission*, 1987, 24 [Suppl], 49-53.
27. Haxby, J.V. Cerebral metabolic and neuropsychological abnormalities in mild, moderate, and severe Alzheimer's disease. In G.L. Maddox and E.W. Busse (Eds.): *Aging: The Universal Human Experience*. New York, Springer, 1987, pp. 213-227.
28. Koss, E., Weiffenbach J.M., Haxby, J.V., Friedland, R.P. Olfactory detection and recognition in Alzheimer's disease. *Lancet*, 1987, i622.

29. Luxenberg, J., Haxby, J.V., Creasey, H., Sundaram, M., and Rapoport, S.I. Rate of ventricular enlargement in dementia of the Alzheimer type (DAT) correlates with rate of neuropsychological deterioration. *Neurology*, 1987, 37, 1135-1140.
30. Luxenberg, J., May, C., Haxby, J.V., Grady, C., Moore, G., Berg, G., White, B.J., Robinette, D., Rapoport, S.I. Cerebral metabolism, anatomy and cognition in monozygotic twins discordant for dementia of the Alzheimer type. *Journal of Neurology, Neurosurgery, and Psychiatry*. 1987, 50, 333-340.
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32. Schapiro, M.B., Haxby, J.V., Grady, C.L., Duara, R., Schlageter, N.L., White, B., Moore, A., Sundaram, M., Larson, S.M., Rapoport, S.I. Decline in cerebral glucose utilisations and cognitive function with aging in Down's syndrome. *Journal of Neurology, Neurosurgery, and Psychiatry*. 1987, 50, 766-774.
33. Schapiro, M.B., Kay, A.D., May, C., Ryker, A.K., Haxby, J.V., Kaufman, S., Milstein, S., Rapoport, S.I. Cerebrospinal fluid monoamines in Down's syndrome adults at different ages. *Journal of Mental Deficiency Research*. 1987, 31, 259-269.
34. Schapiro, M.B., Creasey, H., Schwartz, M., Haxby, J.V., White, B., Moore, A., Rapoport, S.I. Quantitative CT analysis of brain morphometry in adult Down's syndrome at different ages. *Neurology*, 1987, 37, 1424-1427.
35. Haxby, J.V. Metabolic heterogeneity in Alzheimer disease: evidence from positron emission tomography studies. In R.P. Friedland (Mod.): *The clinical and biological heterogeneity of Alzheimer disease*. *Annals of Internal Medicine*, 1988, 109, 300-302.
36. Haxby, J.V., Grady, C.L., Koss, E.K., Horwitz, B., Schapiro, M.B., Friedland, R.P., Rapoport, S.I. Heterogeneous anterior-posterior metabolic patterns in Alzheimer's type dementia. *Neurology*, 1988, 38, 1853-1863.
37. Haxby, J.V. Heterogeneous patterns of regional cerebral metabolism in Alzheimer's disease: cross-sectional and longitudinal studies. In A. Agnoli, J. Cahn, N. Lassen, R. Mayeux (Eds.), *Current Problems in Senile Dementias*, Number 2, Paris, John Libbey Eurotext, 1988, pp. 65-72.
38. Haxby, J.V., Rapoport, S.I. Alzheimer's disease begins with altered metabolism in the parietal, frontal, and temporal neocortices. *Bulletin of Clinical Neurosciences*, 1988, 53, 43-50.

39. Friedland, R.P., Koss, E., Kumar, A., Gaine, S., Metzler, D., Haxby, J.V., Moore, A., Rapoport, S.I. Motor vehicle crashes in dementia of the Alzheimer type. *Annals of Neurology*, 1988, 24, 782-786.
40. Grady, C.L., Haxby, J.V., Horwitz, B., Berg, G., Rapoport, S.I. Neuropsychological and cerebral metabolic function in early vs late onset dementia of the Alzheimer type. *Neuropsychologia*, 1988, 25, 807-816.
41. Grady, C.L., Haxby, J.V., Horwitz, B., Sundaram, M., Berg, G., Schapiro, M., Friedland, R.P., Rapoport S.I. A longitudinal study of the early neuropsychological and cerebral metabolic changes in dementia of the Alzheimer type. *Journal of Clinical and Experimental Neuropsychology*, 1988, 10, 576-596.
42. Koss, E., Weiffenbach, J.M., Haxby, J.V., Friedland, R.P. Olfactory detection and identification are dissociated in early Alzheimer's disease. *Neurology*, 1988, 38, 1228-1232.
43. Schapiro, M.B., Ball, M.J., Grady, C.L., Haxby, J.V., Kaye, J.A., Rapoport, S.I. Dementia in Down's syndrome: Cerebral glucose utilization, neuropsychological assessment, and neuropathology. *Neurology*, 1988, 38, 938-942.
44. Schapiro, M.B., Luxenberg, J.S., Kaye, J.A., Haxby, J.V., White, B., Moore, A., Friedland, R.P., Rapoport, S.I. Serial quantitative computed tomography (CT) analysis of brain morphometry in adult Down's syndrome at different ages. In G. Pepeu, B. Tomlinson, C.M. Wischik (eds.): *New Trends in Aging Research*. Liviana, Padova, 1988, pp. 141-152.
45. Haxby, J.V. Neuropsychological evaluation of adults with Down syndrome: patterns of selective impairment in nondemented old adults. *Journal of Mental Deficiency Research*, 1989, 33, 193-210.
46. Nestor, P.G., Parasuraman, R., Haxby, J.V. Attentional cost of mental operations in young and old adults. *Developmental Neuropsychology*, 1989, 5, 141-158.
47. Schapiro, M.B., Luxenberg, J.S., Kaye, J.A., Haxby, J.V., Friedland, R.P., Rapoport, S.I. Serial quantitative CT analysis of brain morphometrics in adult Down's syndrome at different ages. *Neurology*, 1989, 39, 1349-1353.
48. Haxby, J.V., Grady, C.L., Koss, E., Horwitz, B., Schapiro, M.B., Katz, D., Friedland, R.P., Rapoport, S.I. Longitudinal study of cerebral metabolic asymmetries and associated neuropsychological patterns in early dementia of the Alzheimer type. *Archives of Neurology*, 1990, 47, 753-760.

49. Haxby, J.V. Cognitive deficits and local metabolic changes in dementia of Alzheimer's type. In S.I. Rapoport, H. Petit, D. Leys, Y. Christen (Eds.): *Imaging, Cerebral Topography and Alzheimer's Disease*. Springer Verlag, Berlin, 1990, pp. 109-119.
50. Haxby, J.V. Resting state regional cerebral metabolism in dementia of the Alzheimer type. In R. Duara (Ed.): *Positron Emission Tomography in Dementia*. Wiley-Liss, New York, 1990, pp. 93-116.
51. Butters, N., Grant, I., Haxby, J., Judd, L.L., Martin, A., McClelland, J., Pequegnat, W., Schacter, D., Stover, E. Assessment of AIDS-related cognitive changes: recommendations of the NIMH Workshop on Neuropsychological Assessment Approaches. *Journal of Clinical and Experimental Neuropsychology*, 1990, 12, 963-78.
52. Grady, C.L., Haxby, J.V., Schapiro, M.B., Gonzalez-Aviles, A., Kumar, A., Ball, M.J., Heston, L., Rapoport, S.I. Metabolic subgroups in dementia of the Alzheimer type identified using positron emission tomography. *Journal of Neuropsychiatry and Clinical Neurosciences*, 1990, 2, 373-384.
53. Kaye, J.A., Grady, C.L., Haxby, J.V., Moore, A., Friedland, R.P. Plasticity in aging brain: reversibility of anatomic, metabolic and cognitive deficits in normal pressure hydrocephalus following shunt surgery. *Archives of Neurology*, 1990, 47, 1336-1341.
54. Kumar, A., Schapiro, M.B., Haxby, J.V., Grady, C.L., Friedland, R.P. Cerebral metabolic and cognitive studies in dementia with frontal lobe behavioral features. *Journal of Psychiatric Research*, 1990, 24, 97-109.
55. White, B., Friedland, R.P., Rapoport, S.I. Regional cerebral glucose metabolism is normal in young adults with Down syndrome. *Journal of Cerebral Blood Flow and Metabolism*, 1990, 10, 199-206.
56. Schapiro, M.B., Atack, J.R., Hanin, I., May, C., Haxby, J.V., Rapoport, S.I. Lumbar cerebrospinal fluid choline in healthy aging and in Down's syndrome. *Archives of Neurology*, 1990, 47, 977-980.
57. Schapiro, M.B., Haxby, J.V., Grady, C.L., Rapoport, S.I. Topographical comparison of lesions in trisomy 21 and Alzheimer's disease: a study with PET, anatomical and neuropathological investigations. In S.I. Rapoport, H. Petit, D. Leys, Y. Christen (Eds.): *Imaging, Cerebral Topography and Alzheimer's Disease*. Springer Verlag, Berlin, 1990, pp. 97-107.
58. Schapiro, M.B., Kumar, A., White, B., Fox, D., Grady, C.L., Haxby, J.V., Friedland, R.P., Rapoport, S.I. Dementia without mental retardation in mosaic translocation Down syndrome. *Brain Dysfunction*, 1990, 3, 165-174



59. Haxby, J.V., Grady, C.L., Horwitz, B., Ungerleider, L.G., Mishkin, M., Carson, R.E., Herscovitch, P., Schapiro, M.B., Rapoport, S.I. Dissociation of object and spatial visual processing pathways in human extrastriate cortex. *Proceedings of the National Academy of Science, U.S.A.*, 1991, 88, 1621-1625.
60. Haxby, J.V., Grady, C.L., Horwitz, B. Two visual processing pathways in human extrastriate cortex mapped with positron emission tomography. In N.A. Lassen, D.H. Ingvar, M.E. Raichle, L. Friberg, (eds.): *Brain Work and Mental Activity*, Munksgaard, Copenhagen, 1991, pp. 324-333.
61. Haxby, J.V., Grady, C.L., Ungerleider, L.G., Horwitz, B. Mapping the functional neuroanatomy of the intact human brain with brain work imaging. *Neuropsychologia*, 1991, 6, 539-555.
62. Berardi, A., Haxby, J.V., Grady, C.L., Rapoport, S.I. Asymmetries of brain glucose metabolism and memory in the healthy elderly. *Developmental Neuropsychology*, 1991, 7, 87-97.
63. DeCarli, C., Grady, C.L., Clark, C.M., Gouras, G., Haxby, J.V., Salerno, J.A., Rapoport, S.I., Schapiro, M.B. Imaging techniques and neuropsychological testing in dementia with severe white matter changes. In A. Hartmann, W. Kuschinsky, S. Hoyer (eds.): *Cerebral Ischemia and Dementia*, Springer Verlag, Berlin, 1991, pp. 276-284.
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65. Kumar, A., Schapiro, M.B., Grady, C., Haxby, J.V., Wagner, E., Salerno, J.A., Friedland, R.P., Rapoport, S.I. High-resolution PET studies in Alzheimer's disease. *Neuropsychopharmacology*, 1991, 4, 35-46.
66. Kumar, A., Schapiro, M.B., Grady, C.L., Matocha, M.F., Haxby, J.V., Moore, A.M., Luxenberg, J.S., St George Hyslop, P.H., Robinette, C.D., Ball, M.J., Rapoport, S.I. Anatomic, metabolic, neuropsychological, and molecular genetic studies of three pairs of identical twins discordant for dementia of the Alzheimer's type. *Archives of Neurology*, 1991, 48, 160-168.
67. Nestor, P.G., Parasuraman, R., Haxby, J.V. Speed of information processing and attention in early Alzheimer's dementia. *Developmental Neuropsychology*, 1991, 7, 243-256.
68. Nestor, P.G., Parasuraman, R., Haxby, J.V., Grady, C.L. Divided attention and metabolic brain dysfunction in mild dementia of the Alzheimer's type. *Neuropsychologia*, 1991, 29, 379-387.

69. Raffaele, K.C., Berardi, A., Morris, P.P., Asthana, S., Haxby, J.V., Schapiro, M.B., Rapoport, S.I., Soncrant, T.T. Effects of acute infusion of the muscarinic cholinergic agonist arecoline on verbal memory and visuo-spatial function in dementia of the Alzheimer type. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, 1991, 15, 643-648.
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73. Haxby, J.V., Schapiro, M.B. Longitudinal study of neuropsychological function in older adults with Down syndrome. In C. Epstein, L. Nadel (eds.) *Down Syndrome and Alzheimer Disease*. Wiley, New York, 1992, pp. 35-51.
74. Azari, N.P., Rapoport, S.I., Grady, C.L., DeCarli, C., Haxby, J.V., Schapiro, M.B., Horwitz, B. Gender differences in correlations of cerebral glucose metabolic rates in young normal adults. *Brain Research*, 1992, 574, 198-208.
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81. Schapiro, M.B., Azari, N.P., Grady, C.L., Haxby, J.V., Horwitz, B. Down syndrome: Differentiating mental retardation and dementia with brain imaging techniques. In C. Epstein, L. Nadel (eds.) *Down Syndrome. and Alzheimer Disease*. Wiley, New York, 1992, pp. 103-122.
82. Schapiro, M.B., Haxby, J.V., Grady, C.L. Nature of mental retardation and dementia in Down syndrome: study with PET, CT, and neuropsychology. *Neurobiology of Aging*, 1992, 13, 723-734.
83. Haxby, J.V., Grady, C.L., Horwitz, B., Salerno, J.A., Ungerleider, L.G., Mishkin, M., Schapiro, M.B. Dissociation of object and spatial visual processing pathways in human extrastriate cortex. In B. Gulyas, D. Ottoson, P.E. Roland (eds.) *Functional Organization of Human Visual Cortex*. Pergamon, Oxford, 1993, 329-340.
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