

CURRICULUM VITAE
James Van Loan Haxby
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Date of Birth: May 20, 1951
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Current Status

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

Service Activities

- NIMH Fellowship Training Committee
In Vivo NMR Center Steering Committee
Protocol subcommittee
NIMH Staff Promotions Committee

NIMH Committee for the Scientific Review of Protocols
Tenure-Track Search Committee, Geriatric Psychiatry Branch, NIMH
Tenure-Track Search Committee, Child Psychiatry Branch, NIMH
Tenure-Track Search Committee, NIAAA
Chair, Tenure-Track Search Committee, DRD/CC/NIH
IRP, Princeton University

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.
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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.

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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.

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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.
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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.
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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.

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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.
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Recent Invited Lectures (2002 to present)

Representation of objects and faces in ventral temporal cortex, Johns Hopkins University Department of Psychology Colloquium Series, Baltimore, MD, February 13, 2002.

Distributed representation of faces in human cortex. Department of Neurology, University of Maryland Medical School, Baltimore, MD, May 9, 2002.

Distributed neural system for face perception in the human brain, Sackler Institute, Cornell Medical Center, New York City, NY, September 18, 2002.

Spatially and temporally distributed processing in the human neural system for face perception. Harvard University Department of Psychology, Cambridge, MA, February 20, 2003.

Human neural systems for face perception in the human brain. Johns Hopkins Medical Center, Neurology Grand Rounds, Baltimore, MD, February 27, 2003.

Distributed, topographically-organized representations of faces and objects in human cortex. Rutgers University Department of Psychology, Newark, NJ, March 25, 2003.

Spatial and temporal distribution of face and object representations in the human brain. University of Chicago Department of Psychology, Chicago, IL, April 8, 2003.

Spatial and temporal distribution of face and object representations. Mitre Corporation, Vienna, VA, March 25, 2004.

Spatial and temporal distribution of face and object representations. University of Pennsylvania Department of Psychology, Philadelphia, PA, April 5, 2004.

Spatial and temporal distribution of face and object representations. Donders Lecture at the Donders Centre for Cognitive Neuroimaging, Radboud University of Nijmegen. May 28, 2004.

Ten years of human brain mapping: How far have we come? Meeting wrap-up as outgoing Council Chair at the Tenth Annual Meeting of the Organization for Human Brain Mapping, Budapest, Hungary, June 17, 2004

Analysis of topographically-organized patterns of response in functional imaging data. Chinese Academy of Sciences, Beijing, China, August 6, 2004.

Spatially distributed representations of faces in the human brain. University of Texas at Dallas, November 5, 2004.

Multi-voxel pattern analysis of fMRI data: Application to the representation of faces. Dartmouth University, February 4, 2005.

Multi-voxel pattern analysis of fMRI data. University of Western Ontario, April 25, 2005.

Distributed neural representations of faces and objects in human cortex. University of Kentucky, October 24, 2005.

Analysis of multi-voxel patterns of response to faces and objects in ventral temporal cortex. Max Planck Institute für Hirnforschung, Frankfurt, Germany, February 20, 2006.

Analysis of multi-voxel patterns of response to faces and objects in ventral temporal cortex. University of Magdeburg, Germany, February 23, 2006.

Distributed neural representations of faces and objects in human cortex. Northwestern University, May 9, 2006, Evanston, IL.

Recent Invited Presentations at Symposia (2001 to present)

Topographic pattern analysis of distributed representations in functional neuroimaging data sets. N. Kanwisher and J. Duncan (organizers) Attention and Performance XX, Erice, Italy, July 7, 2002.

Distributed neural system for face perception in the human brain. Italian Biological Psychiatry Meeting, Milan, Italy, July 12, 2002.

Representation of faces and objects in human extrastriate cortex. F. Rösler and B. Röder (organizers) Assessing the dynamics of human brain function, University of Marburg, Germany, August 30, 2002.

Distributed representations of faces and objects in temporal cortex. In G. Sperling (organizer) Annual Interdisciplinary Conference. Teton Village, WY, February 4, 2003.

- The distributed human neural system for face perception. In B.J. Casey (organizer), Sackler Summer Institute, Princeton University, Princeton, NJ, July 22, 2003.
- Spatial and temporal distribution of representations of faces and objects. In V. Clark (organizer), University of New Mexico Cognitive Neuroimaging Symposium. University of New Mexico, Albuquerque, NM, October 27, 2003.
- Spatial and temporal distribution of face representations. In R. Henson (organizer), "Seeing Faces in the Brain", English Psychological Society Meeting, University College London, England, January 5, 2004.
- Distributed face and object representations. In R. Rouwe (organizer), "Distributed vs Modular processing of Faces and Objects in the Brain", University of Amsterdam, Amsterdam, Netherlands, May 29, 2004.
- Local and extended distribution of face perception in the human brain. In M. Guazzelli, C. Maffei (organizers), "Basi neurali delle emozioni e del comportamento", XIV Congresso della Società Italiana di Neuropsicofarmacologia. Bologna, Italy, June 4, 2004.
- Distributed face and object representations. In Ben Blich (organizer), "Cognitive modularity", at the Tenth Annual Meeting of the Organization for Human Brain Mapping, Budapest, Hungary, June 16, 2004.
- Analysis of topographically-organized patterns of response in functional imaging data. In K. Grill-Spector, B. Wandel (organizers), Computational Neuroimaging Workshop, Stanford University, Stanford, CA, July 5, 2004.
- Spatially and temporally distributed representations of faces. In F. Rösler (organizer), "Biological bases of knowledge representation", International Congress on Psychology, Beijing, China, August 9, 2004.
- Distributed representation of faces in human extrastriate cortex. In Y. Luo & J. Haxby (organizers), "Neuroimaging and face recognition", International Congress on Psychology, Beijing, China, August 11, 2004.
- Spatial and temporal distribution of cortical representations of faces and objects. In Z. Kourtzi (organizer), "Functional Brain Imaging of Form and Motion Perception", European Conference on Visual Perception, Budapest, Hungary, August 24, 2004.

- The neural representation of faces is distributed in space and time. In P. Pietrini (organizer), 12th World Congress of Psychophysiology, Porto Carras, Greece, September 20, 2004.
- Multi-voxel pattern analysis of fMRI data: Faces and objects. Maastricht Brain Imaging Center Opening Symposium, Maastricht, Netherlands, April 23, 2005.
- Expression of the emotions. Second Thematic Conference of the Italian Society of Psychiatry (SIP), Rome, Italy, June 23, 2005.
- Distributed neural representations of faces and objects in human cortex. Tenth European Workshop on Imagery and Cognition, St. Andrews, Scotland, June 28, 2005.
- Distributed representations of faces and objects in the human ventral visual pathway. Autumn School in Cognitive Neuroscience, University of Oxford, Oxford, England, September 28, 2005.
- Distributed representations investigated with fMRI. 5th International fMRI Meeting and Autumn School. Sorrento, Italy, November 19, 2005.
- Distributed neural representations of faces and objects in ventral temporal cortex. In L. Pessoa and T. Mitchell (organizers), "Workshop: Decoding brain states with machine learning: Applications to fMRI", NIPS 2005, Whistler, BC, Canada, December 9, 2005.
- Human neural systems for face perception. International Neuroscience Symposium of the DFG Transregional Research Consortium, February 16-18, 2006, Bonn Germany.
- Analysis of multi-voxel patterns of response to faces and objects. In D. Heeger (organizer), The Next Generation of fMRI: Statistical Learning and the Complexity of Real Life, CoSyne, Park City, UT, March 10, 2006.
- Analysis of multi-voxel patterns of response to faces and objects. In M. Bunzl and S. Hanson, The Rutgers Conference on the Philosophical Foundations of Neuroimaging. New Brunswick, NJ, April 27-28, 2006.
- Multi-voxel pattern analysis: What can it tell us about neural representations? In L. Pessoa (Organizer), Decoding Brain States with Machine Learning, Workshop at the Annual Meeting of the Organization for Human Brain Mapping, Florence, Italy, June 12-15, 2006.

Neural systems for face perception and social communication. In Yuejia Luo, Qi Dong, R. Desimone (organizers), Conference of Sino-Western Exchanges in Cognitive Neuroscience, Beijing, China, October 25-27, 2006.

Multi-voxel pattern analysis. 6th International fMRI Meeting and Autumn School. Sorrento, Italy, November 10, 2006.

Implications of decoding for theories of neural representation. In J.D. Haynes, F. Pereira, and T. Mitchell (organizers), "Workshop: New directions for decoding mental states from fMRI data", NIPS 2006, Whistler, BC, Canada, December 8, 2006.

Current International Collaborative Projects

1. MEG studies of the effect of attention on category-related responses to faces and objects. Helsinki University of Technology, Espoo, Finland. Collaborating scientists: Riitta Hari, Topi Tanskanen (Finland), Maura Furey, Michael Beauchamp (NIH, Bethesda, MD, USA).
2. MEG studies of responses to different types of facial changes. Max Planck Institute for Cognitive Neuroscience, Leipzig, Germany. Collaborating scientists: Stefan Pollman, Burkhard Mäß (Germany), Elizabeth Hoffman, Ida Gobbini (USA).
3. fMRI studies of emotional responses to faces in patients with social phobia. University of Pisa, Pisa, Italy. Collaborating scientists: Pietro Pietrini, Mario Guazzelli, Emiliano Ricciardi (Italy), Ida Gobbini (USA).
4. fMRI studies of the representation of faces in temporal and frontal cortices. University of Magdeburg, Germany. Collaborating scientists: Stefan Pollman, Michael Haneke.