

Currículum Vitae of Roberto Cabeza, Ph.D.

Contact Information

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Academic History

2004-Present Associate Professor (with tenure), *Department of Psychology and Neuroscience, Duke University*

2001-Present Core Member, *Center for Cognitive Neuroscience, Duke University*

2001-Present Senior Fellow, *Center for the Study of Aging and Human Development, Duke University*

2001-2004 Assistant Professor, *Department of Psychological and Brain Sciences, Duke University*

1997-2000 Assistant Professor, *Department of Psychology, University of Alberta, Canada*

1995-1997 Post-doctoral Fellow, *Rotman Research Institute of Baycrest Centre, University Toronto, Canada*
(Advisors: Dr. Endel Tulving & Dr. Randy McIntosh)

1994-1994 Research Associate, *ATR Human Information Processing Laboratories, Japan*

1988-1994 Ph.D. in Psychology, *Institute of Psychology, University of Tsukuba, Japan*
(Advisor: Dr. Nobuo Ohta, Area: Cognitive Psychology, Title: Implicit Perceptual, Implicit Conceptual, and Explicit Memory Tests: Investigating the Empirical and Theoretical Foundations of the Distinction)

1987-1988 Research Fellow, *Interdiscip. Ctr. for Res. in Mathematical & Experimental Psychology (Argentina)*

1985-1988 Lecturer, *Faculty of Psychology, University of Buenos Aires*

1981-1985 Licentiate in Psychology, *Faculty of Psychology, University of Buenos Aires, Argentina*

Honors and awards

2006 Nominated Editor of *Cognitive, Affective, & Behavioral Neuroscience* (I declined the nomination)

2005 *Busse Research Award in the Biomedical Sciences* presented at 18th World Congress of Gerontology

2005 Elected to *International Neuropsychology Symposium*

2003 *Young Investigator Award* from the *Cognitive Neuroscience Society*

2003 *Fast Breaking Paper in Psychology/Psychiatry – Institute for Scientific Information*

2003 Elected to *Memory Disorders Research Society*

2003 Elected to *International Society for Behavioral Neuroscience*

1999-2004 *Medical Scholar Award* from the *Alberta Heritage Foundation for Medical Research*

1997 Fellowship for *McDonnell Summer Institute in Cognitive Neuroscience*

1996-1997 *Tanenbaum Postdoctoral Research Fellowship*

1995 *Max and Roslyn Gordon Research Prize*

1995-1996 Postdoctoral fellowship from the *International Human Frontier Science Program*

1989 Graduate fellowship from the *German Academic Exchange Program — DAAD* (not used)

1988-1994 Graduate fellowship from the *Ministry of Education of Japan*

1987- 1988 Research fellowship from the *National Council of Science and Technological Research of Argentina*

1985 *Honors Diploma* from the *University of Buenos Aires*

Professional Associations

International Neuropsychology Symposium (INS), Memory Disorders Research Society (MDRS), International Society for Behavioral Neuroscience (ISBN), Organization for Human Brain Mapping (OHBM), Society for Neuroscience (SfN) Cognitive Neuroscience Society (CNS)

Journal Reviewing and Editing

Guest Editor

Cabeza, R. & Nyberg, L., (Guest Editors) Special issue on Functional Neuroimaging of Memory. *Neuropsychologia*, 2003, 41, Issue 3.

Editorial Boards

2005-Present *Journal of Neuropsychology*
 2004-Present *Psychological Science*
 2004-Present *Cognitive Brain Research*
 2002-Present *Memory (Associate Editor)*
 2002-Present *Journal of Experimental Psychology: General*
 2003-Present *Faculty of 1000. Cognitive Neuroscience Section*
 2002-Present *BrainMap Database/Journal*
 2000-Present *Psicológica*

Reviewer Ad Hoc

<i>Acta Psychologica</i>	<i>Hippocampus</i>	<i>Neuroscience Letters</i>
<i>Aging, Neuropsychology and Cognition</i>	<i>Human Brain Mapping</i>	<i>Neuropsychologia</i>
<i>American Journal of Psychiatry</i>	<i>J. Cerebral Blood Flow & Metabolism</i>	<i>Neuropsychology</i>
<i>Behavioral and Brain Sciences</i>	<i>Journal of Cognitive Neuroscience</i>	<i>PLoS Biology</i>
<i>Biological Psychiatry</i>	<i>Journal of Neurophysiology</i>	<i>PNAS</i>
<i>Brain</i>	<i>Journal of Neuroscience</i>	<i>Psychiatry Research</i>
<i>Canadian J. of Experimental Psych.</i>	<i>J. Int. Neuropsychological Society</i>	<i>Psychological Bulletin</i>
<i>Cerebral Cortex</i>	<i>Learning & Memory</i>	<i>Psychological Science</i>
<i>Cognitive Neuropsychology</i>	<i>Memory & Cognition</i>	<i>Psychology and Aging</i>
<i>Cog., Affective, & Behav. Neuroscience</i>	<i>Microscopy Research and Technique</i>	<i>Psychonomic Bulletin & Review</i>
<i>Cognitive Brain Research</i>	<i>Nature Neuroscience</i>	<i>Science</i>
<i>Current Biology</i>	<i>Nature Reviews Neuroscience</i>	<i>Trends in Cognitive Sciences</i>
<i>European Journal of Neuroscience</i>	<i>Neuron</i>	
<i>Experimental Aging Research</i>	<i>Neuroimage</i>	

Grant Reviewing

Review Committees

2001-2005 Regular member of NIH Study Section *Cognition and Perception* (previously called *Behavioral and Biobehavioral Processes 4-BBBP4*)

Reviewer Ad Hoc

2006: NIH—*Social Neuroscience* Special Emphasis Panel; NSERC (Canada); FONCYT (Argentina)
 2003: CIHR (Canada)
 2002: US-Israel Binational Science Foundation; NSF—*Cognitive Neuroscience Initiative*; Alzheimer's Association
 2001: Swiss National Science Foundation
 2000: Wellcome Trust (UK)
 1998: NIH—*Biological and Physiological Sciences* Special Emphasis Panel

Organization of Conferences and Symposia

2006 Symposium Title: *Functional Neuroimaging of Episodic Memory: Current Issues*
 Conference: 4th International Conference on Memory (Sydney, Australia)
 Organizers: R. Cabeza & L. Nyberg
 Speakers: M. Rugg, K. McDermott, E. Duzel, L. Ryan, L. Nyberg, & R. Cabeza

2005 Symposium Title: *Neural Correlates of Autobiographical Memory*
 Conference: *Memory Disorders Research Society* (Tucson)
 Organizers: R. Cabeza & M. Moscovitch
 Speakers: M.P. McAndrews, M. Conway, P. Piolino, D. Rubin, S. Steinworth

2003 Symposium Title: *Prefrontal Cortex: Unitary Function or Multiple Functional Subregions?*
 Conference: Official Program of the 2003 Meeting of the *Cognitive Neuroscience Society* (New York)
 Organizer: R. Cabeza

- 2003 Speakers: E.K. Miller, J. Duncan, M. Petrides, & R. Cabeza
 Symposium Title: *Second Symposium on Neuroscience of Aging and Cognition (SNAC II)*
 Conference: Satellite symposium before 2003 Meeting of Cognitive Neuroscience Society (New York)
 Organizers: D. Park, R. Cabeza, & L. Nyberg
 Speakers: L. Cartensen, E. Kensinger, K. LaBar, R. Gur, A. Kramer, Y. Stern, C. Lustig, A. Wagner, S. Small, S. Daselaar, and M. Johnson
- 2002 Symposium Title: *Symposium on Neuroscience of Aging and Cognition (SNAC)*
 Conference: Satellite symposium to 2002 Meeting of Cognitive Neuroscience Society (San Francisco)
 Organizers: D. Park, R. Cabeza, & L. Nyberg
 Speakers: N. Raz, M. Fabiani, M. D'Esposito, M. Rugg, D. Madden, P. Reuter-Lorenz, R. West, R. Buckner, J. Gabrieli, C. Grady, L. Nyberg, D. Park, S.-C. Li, & R. Cabeza
- 2001 Symposium Title: *Functional Neuroimaging of Memory*
 Conference: *International Conference of Memory III* (Valencia, Spain)
 Organizers: R. Cabeza & L. Nyberg
 Speakers: D. Schacter, J. Gabrieli, J. Jonides, R. Poldrack, J. Doyon, A. Martin, R. Henson, R. Habib, K. McDermott, M. Conway, S. Courtney, L. Nyberg, & R. Cabeza
- 2000 Symposium Title: *Functional Neuroimaging of Cognition*
 Conference: Satellite Symposium to 2000 Meeting of the Society for Neuroscience (New Orleans).
 Organizers: R. Cabeza & A. Kingstone
 Speakers: R. Buckner, R. McIntosh, R. Mangun, N. Kanwisher, J. Binder, A. Martin, J. Gabrieli, M. D'Esposito, & R. Cabeza
- 2000 Symposium Title: *Functional Neuroimaging of Memory*
 Conference: *Joint Meeting of the Canadian Society for Brain, Behavior, and Cognitive Science and the Experimental Psychology Society of UK* (Cambridge, England)
 Organizer: R. Cabeza
 Speakers: P. Fletcher, A. Owen, C. Grady, & R. Cabeza
- 2000 Symposium Title: *Functional Neuroimaging of Cognitive Aging*
 Conference: *XXVII International Congress in Psychology* (Stockholm, Sweden).
 Organizer: R. Cabeza
 Speakers: N. Raz, T. Iidaka, M. Rugg, R. Buckner, & R. Cabeza
- 1998 Conference: *Banff Annual Seminar in Cognitive Science* (Banff, Canada).
 Organizers: A. Kingstone, M. Mason, & R. Cabeza
 Speakers: J. Binder, M. D'Esposito, J. Gabrieli, N. Kanwisher, R. Mangun, A. Martin, & R. Cabeza
- 1995 Conference: *Baycrest Research Day* (Toronto, Canada).
 Organizers: A. Troyer & R. Cabeza

Research Grants

Agency	Title	Duration	Annual Direct Costs	% Effort
Pending				
NIH/NIA	R01-AG19731-06 (PI: Cabeza) <i>Effects of aging on the neural bases of episodic encoding</i>	07/01/2007-06/30/2012	\$250,000	20%
NIH/NIA	R01-011622-13 (PI: Madden) Neuroimaging of age related cognitive changes	07/01/2007-06/30/2012	\$407,000	5%
CIHR	Canadian Inst of Health Research (PI: Anderson) <i>Memory Interventions for Older Adults</i>	04/01/2007-03/31/2010	Can \$503,050	n.a.
ASC	Alzheimer Society of Canada (PI: Anderson) <i>Behavioral and neural effects of recollection training in amnesic mild cognitive impairment</i>	07/01/2007-06/30/2009	Can.\$94,380	n.a.
NIH/NIA	R21-AG30771 (PI: Huettel) <i>Neural compensation and economic decision making in aging</i>	07/01/2007-06/30/2009	\$175,000	5%
Current				
NIH/NIA	R01-AG23770 (PI: Cabeza) <i>Relational Memory and Aging: Role of Prefrontal and Medial Temporal Lobe Regions</i>	09/30/2005-6/30/2010	\$205,000	15%
NIH/NIA	R01-AG19731 (PI: Cabeza) <i>Asymmetry Reduction with Aging: fMRI Studies of Memory</i>	07/01/2002-06/30/2007	\$218,250	15%
NIH/NIMH	R01-AG23123 (PI: Rubin, Co-PIs: Cabeza, LaBar) <i>Neural Correlates of Autobiographical Memory</i>	09/01/2004-08/31/2009	\$205,000	16%
NIH/NINDS	2P01-NS41328-06 (PI: McCarthy Co-PIs: LaBar, Cabeza)	09/01/2006-08/30/2011	\$115,400	10%

	<i>Emotional modulation of implicit and explicit memory systems</i>			
NIH/NIMH R01 -MH073982 (PI: Dobbins)		05/01/2006-04/30/2011	\$199,000	5%
	<i>Functional Neuroimaging of Strategic Retrieval Processes</i>			
NIH/NIMH R24 -MH67447 (PI: Strauman)		10/01/2003-09/30/2006	\$251,719	10%
	<i>Self/Brain/Behavior Systems in Depression</i>			
NIH/NIA R01 -AG11622 (PI: Madden)		07/01/2001-06/30/2006	\$358,806	5%
	<i>Neuroimaging of Age-Related Cognitive Changes</i>			
CIHR Canadian Inst of Health Research (PI: Anderson)		07/01/2004-06/30/2007	Can \$108,510	n.a.
	<i>Memory Interventions for Older Adults</i>			
CIHR Canadian Inst of Health Research (PI: Anderson)		03/01/2004-02/28/2007	Can \$273,666	n.a.
	<i>Memory Interventions for Older Adults</i>			
Past				
ASC Alzheimer Society of Canada (PI: Anderson)		07/2004-06/2006	Can.\$94,380	N/A
	<i>A process-oriented approach to memory training in older adults and individuals with MCI</i>			
Duke University – Provost Common Fund		08/22/2005-08/21/2006	\$49,650	
	<i>Imaging genetic variation in cognitive brain function</i>			
NIH: NCRR Shared Instrument Grant PAR-01-034 (PI: McCarthy)		01/01/2003-31/12/2003	\$199,744	
	<i>A Computational Facility for Neuroimaging Research</i>			
Swedish Council for Res. in Humanities & Social Sci. (PI: Nyberg)		01/01/2001-31/12/2003	\$30,000	
	<i>How different are different cognitive functions?</i>			
Canadian Institutes of Health Research (CIHR) (PI: Cabeza)		01/01/2001-12/31/2003	Can \$56,000	
	<i>Age-related changes in brain activity across cognitive domains</i>			
	(Awarded but never used due to PI move to the US)			
Alberta Heritage Found. Medical Research (AHFMR) (PI: Cabeza)		07/01/1999-06/30/2001	Can \$80,000	
	<i>Neural Correlates of Recognition Memory in Young and Older Adults</i>			
AHFMR Major equipment grant (PI: Cabeza)		07/01/1999-06/30/2000	Can \$23,000	
	<i>Equipment for analyses of fMRI data</i>			
Medical Research Council of Canada (MRC) (PI: Allen)		07/01/2000-06/30/2002	Can \$335,00	
	<i>NMR Equipment/Maintenance</i>			
CFI/IIPP/AHFMR Center grant (PI: Allen)		07/01/2001-06/30/2007	Can \$12 million	
	<i>NMR Center Grant</i>			
National Sci & Engin. Res. Council of Canada (NSERC) (PI: Cabeza)		07/01/1997-06/30/2001	Can \$30,000	
	<i>PET studies of content and context memory in young and older adults</i>			
NSERC Equipment grant (PI: Cabeza)		07/01/1997-06/30/1998	Can \$29,500	
	<i>Equipment for analyses of PET data</i>			
International Human Frontier Science Program (PI: Cabeza)		01/01/1995-12/31/1996	\$10,000	
	<i>PET studies of memory</i>			

University Service

2006-present	Member of <i>Chairs' Advising Committee</i> , Department of Psychology and Neuroscience
2006-present	Member of <i>Graduate Programs Committee</i> , Department of Psychology and Neuroscience
2006-present	Member of <i>Cognitive Psychology/Neuroscience Search Committee</i> , Dept. Psych & Neuroscience
2006-present	Member of the <i>Graduate Admissions Committee</i> , Department of Psychology and Neuroscience
2004-present	Member of the <i>Steering Committee</i> , Interdisciplinary Program in Cognitive Neuroscience
2004-present	Member of the <i>Graduate Admissions Committee</i> , Interdisciplinary Program in Cognitive Neuroscience
2005-2006	Member of <i>Neuropsychology Search Committee</i> , Center for Cognitive Neuroscience
2003-2006	Member of the <i>Scientific Committee</i> , Brain Imaging and Analysis Center, Duke University
2005-2006	Member of <i>Psychology Steering Committee</i> , Duke University
2005-2005	Member of the <i>Committee on Psychology at Duke</i> (Mandate from Provost and Arts/Sciences Deans)
2003-2004	Member of <i>Duke-PBS Leadership Team</i> for the <i>Carnegie Initiative on the Doctorate</i>
2003-2005	Member of the <i>Graduate Admissions Committee</i> , Psychological & Brain Sciences, Duke University
2002-2004	Member of <i>Undergraduate Curriculum Committee</i> , Psychological & Brain Sciences, Duke University
2001-2002	Member of <i>Neuropsychology Search Committee</i> , Psychological & Brain Sciences, Duke University
1999-2000	Member of <i>Chair's Advisory Committee</i> , Department of Psychology, University of Alberta
1998-2000	Member of <i>Brain & Behavior Search Committee</i> , Department of Psychology, University of Alberta
1998-1999	Member of <i>Graduate Curriculum Committee</i> , Department of Psychology, University of Alberta

Students

<i>Period</i>	<i>Name</i>	<i>Program/Site</i>	<i>Notes</i>
Postdoctoral Students			
2007-present	Norbou Buchler	P&N/CCN, Duke Univ.	Co-supervised with Ian Dobbins
2006-present	Anne Botzung	P&N/CCN, Duke Univ.	Co-supervised with David Rubin
2006-present	Scot Hayes	CNS, Duke Univ.	
2006-present	Florin Dolcos	CNS, Duke University	
2004-present	Nancy Dennis	CNS, Duke Univ.	
2002-2005	Sander Daselaar	CNS, Duke Univ.	Now: Asst. Prof., SILS -Univ. Amsterdam

Clinical Faculty Mentoring

2003-present	Rajendra Morey, M.D.	BIAC/VA
2003-present	Jeffrey Browndyke	Bryan Alzheimer Research Center

Ph.D. Students

Supervisor

2007-present	Ashley Osborne	IPCN, CCN, Duke Univ.	
2006-present	Maureen Ritchey	IPCN, CCN, Duke Univ.	
2005-present	Simon Davis	P&N Duke Univ.	
2004-present	Peggy St. Jacques	P&N Duke Univ.	
2001-present	Steve Prince	P&N Duke Univ.	
2003-2006	Mathias Fleck	PBS Duke Univ.	
1999-2004	Florin Dolcos	Ctr. Neurosci, U of A/CCN Duke	Postdoc, Duke University
1997-2002	Reiko Graham	Dept. Psych., Univ. Alberta	Assist. Prof., Dept. Psych, Texas S. Univ.
1999-2000	Andrea Hughes	Dept. Psych., Univ. Alberta	Industry
1998-2000	Randy Henderson	Dept. Psych., Univ. Alberta	Industry

Committee member

2005-present	Jessica Cantlon	Dept. Psych: SHS, Duke Univ.
2004-present	Amy Noll	Dept. Psych: SHS, Duke Univ.
2003-2006	Dan Dillon	PBS Duke Univ.
2003-2006	Harlan Fichtenholtz	PBS Duke Univ.
2001-2005	Michele Diaz	PBS, Duke Univ.
2002-2005	Daniel Greenberg	PBS, Duke Univ.
2002-2005	Jennifer Talarico	PBS, Duke Univ.
2002-2003	Sander Daselaar	VU Medical Ctr., Holland
2001-2003	Wayne Khoe	PBS, Duke Univ.
2002-2002	Simon Tonev	PBS, Duke Univ.
1997-2000	Shah Akeel	Dept. Psych., Univ. Alberta
1997-2000	Anthony Chaston	Dept. Psych., Univ. Alberta
1997-2000	Hugo Lehman	Dept. Psych., Univ. Alberta
1997-2000	Darren Piercy	Dept. Psych., Univ. Alberta
1997-1999	Barry Giesbrecht	Dept. Psych., Univ. Alberta

Undergraduate Students (Supervised thesis students only)

2006-2007	Jessica Levine	Psych & Neurosci, Duke Univ.
2003-2004	David Beckmann	PBS, Duke Univ.
1997-2001	Roger Lennartson	Dept. Psych., Univ. Alberta
1998-2001	James Keay	Dept. Psych., Univ. Alberta

Teaching

Department of Psychological and Brain Sciences, Duke University

Undergraduate	Cognitive Psychology (PSY 92)	Instructor Rating: 4.62 (out of 5)
Graduate/Undergraduate	Cognitive Neuroscience of Memory (PSY 226S)	
Graduate	Cognitive Neuroscience I (PSY 359), Cognitive Neuroscience II (PSY 360)	

Department of Psychology, University of Alberta

Undergraduate Introduction to Psychology (PSYCO 104)
 Human Memory (PSYCO 350) Teaching Award: *Honour Roll with Distinction*
 Graduate/Undergraduate Cognitive Neuroscience of Memory (PSYCO 403/606).

Books and Edited Volumes

- Cabeza, R.**, & Kingstone, A. (2006). *Handbook of Functional Neuroimaging of Cognition—Second Edition*. MIT Press. (Chapters by M. Raichle, A. Song, S. Huettel, G. McCarthy, J. Culham, G.R. Mangun, S. Thompson-Schill, R. Wise, M. D'Esposito, I. Dobbins, L. Davachi, T. Braver, B.J. Casey, E. Phelps, K. Labar, C. Price, F. Friston, and others)
- Cabeza, R.**, Nyberg, L., Park, D. C. (2004). *Cognitive Neuroscience of Aging: Linking Cognitive and Cerebral Aging*. Oxford University Press. (Chapters by L. Bäckman, R. Buckner, M. D'Esposito, M. Fabiani, J. Gabrieli, C. Grady, S.-C. Li, D. Madden, N. Raz, P. Reuter-Lorenz, R. West, and others.)
- Cabeza, R.**, & Nyberg, L. (2003). Special Issue on Functional Neuroimaging of Memory. *Neuropsychologia* (Articles by R. Poldrack, J. Doyon, A. Wagner, S. Thompson-Schill, K. McDermott, J. Jonides, S. Courtney, M. Conway, I. Dobbins, D. Schacter, C. Ranganath, and others).
- Cabeza, R.**, & Kingstone, A. (2001). *Handbook of Functional Neuroimaging of Cognition*. MIT Press. (Chapters by M. Raichle, R. Buckner, L. Nyberg, A. R. McIntosh, G.R. Mangun, N. Kanwisher, A. Martin, J. Binder, J. Gabrieli, M. D'Esposito, C. Price, F. Friston, and others).

Publications

Peer reviewed publications except for those marked with *. Names of supervised students/researchers are in *italics*.

In Preparation

- Daselaar, S.M.*, & **Cabeza, R.** (in preparation). Neural correlates of relational memory encoding: Role of preexisting associations.
- Davis, S.W.*, *Dennis, N.A.*, *Fleck, M.S.*, *Daselaar, S.M.*, **Cabeza, R.**, (in preparation). Que PASA?: The posterior-anterior shift in aging.
- Dennis, N.A.*, *Kim, H.* & **Cabeza, R.** (in preparation). The neural basis of true and false recognition in aging.
- Dennis, N.A.*, *LaBar, K.*, *Goldstein, D.*, *Need, A.*, *Waters, S.*, & **Cabeza, R.** Relational memory: Interactive effects of BDNF and COMT genotypes in PFC and hippocampal circuitry.
- Kim, H.* & **Cabeza, R.** (in preparation). Trusting our memories: double dissociations between the neural correlates of confidence in true versus false memories.
- LaBar, K.*, **Cabeza, R.**, *Dennis, N.A.*, *Need, A.*, *Waters, S.* & *Goldstein, D.*, Role of COMT genotype in prefrontal activation during WM: a replication study.
- Need, A.*, *Dennis, N.A.*, *LaBar, K.*, **Cabeza, R.**, *Waters, S.*, & *Goldstein, D.* Role of BDNF genotype during episodic retrieval: a replication study.
- Prince, S.E.* & **Cabeza, R.** (in preparation). Functional neuroanatomy of relational memory encoding and retrieval: Associating faces and scenes.
- St. Jacques, P.L.*, *Rubin, D.C.*, *LaBar, K.S.*, & **Cabeza, R.** (in preparation). Neural correlates of temporal-context vs. item memory for autobiographical events: An fMRI study using a novel photo paradigm.

Under Review

- Daselaar, S.M.*, *Prince, S.E.*, & **Cabeza, R.** (in preparation). Activity in posterior midline and lateral parietal regions is beneficial for episodic retrieval but detrimental to encoding. *Proceedings of the National Academy of Sciences USA*
- Dennis, N.A.*, *Kim, H.* & **Cabeza, R.** (under review). Aging and false memories: neural correlates of item-specific and gist traces. *Neuropsychologia*
- St. Jacques, P.L.*, *Rubin, D.C.*, *LaBar, K.S.*, & **Cabeza, R.** (under review). The short and long of it: Neural correlates of temporal-order memory for autobiographical events. *Journal of Cognitive Neuroscience*
- Prince, S.E.* & **Cabeza, R.** (under review). Remembering faces and places: Stimulus-specific, stage-specific, and general memory effects on brain activity. *Cerebral Cortex*

In press

89. **Cabeza, R.** & *St. Jacques, P. L.* (in press). Functional neuroimaging of autobiographical memory. *Trends in Cognitive Sciences*.
88. *Kim, H.* & **Cabeza, R.** (in press). Differential contributions of prefrontal, medial temporal, and sensory-perceptual regions to true and false memory formation. *Cerebral Cortex*.

87. Marklund, P., Fransson, P., **Cabeza, R.**, Petersson, K M., Ingvar, M., & Nyberg, L. (in press). Sustained and transient neural modulations in prefrontal cortex related to declarative long-term memory, working memory, and attention. *Cortex*.
86. Bucur, B., Madden, D. J., Spaniol, J., Provenzale, J. M., **Cabeza, R.**, White, L. E., & Huettel, S. A. (in press). Age-related slowing of memory retrieval: Contributions of perceptual speed and white matter integrity. *Neurobiology of Aging*.
85. Eddington, K. M., Dolcos, F., **Cabeza, R.**, Krishnan, K. R., & Timothy J. Strauman. (in press). Neural Correlates of Promotion and Prevention Goal Activation: An fMRI Study Using an Idiographic Approach. *Journal of Cognitive Neuroscience*.
84. *Dennis, N.A. & **Cabeza, R.** (in press). Neuroimaging of healthy cognitive aging. In: Craik FIM, Salthouse TA, editors. *Handbook of Aging and Cognition - Third Edition*. Mahwah, NJ: Erlbaum
83. *Daselaar, S.M., Dennis, N., **Cabeza, R.** (in press). Age-related changes in the neural substrates of episodic and working memory: Functional neuroimaging evidence. In S. Rombouts, F. Barkhof, & P. Scheltens (Eds.). *Clinical Applications of Functional Brain MRI*, Oxford University Press.
82. *Nyberg, L., & **Cabeza, R.** (in press). Similarities in brain activity during working memory, semantic memory, and episodic memory: Implications for theories of memory. In S. Algarabel, A. Pitarque, T. Bajo, S. E. Gathercole, & M. A. Conway (Eds.), *Theories of Memory Volume 3* : Psychology Press.

2007

81. Prince, S. E., Tsukiura, T., Daselaar, S. M., & **Cabeza, R.**, (in press). Distinguishing the neural correlates of episodic memory encoding and semantic memory retrieval. *Psychological Science*
80. Dennis, N.A., Daselaar, S.M., & **Cabeza R.** (2006). Effects of aging on transient and sustained successful memory encoding activity. *Neurobiology of Aging*
79. Madden, D.J. Spaniol, J., Whiting, W.L., Bucur, B., Provenzale, J.M., **Cabeza, R.**, White, L.E., & Huettel, S.A. (2007). Adult age differences in the functional neuroanatomy of visual attention: A combined fMRI and DTI study *Neurobiology of Aging*, 28, 459-476

2006

78. Daselaar, S. M., Fleck, M., & **Cabeza, R.** (2006). Triple dissociation within the medial temporal lobes: Recollection, familiarity, and novelty. *Journal of Neurophysiology*, 96, 1902-1911 → **Awarded a MUST READ label in Faculty of 1000**
77. Daselaar, S., M. Fleck, M, Dobbins, I., Madden, D. J. & **Cabeza, R.** (2006). Effects of healthy aging on hippocampal and rhinal memory functions: An event-related fMRI study, 16, 1771-1782. *Cerebral Cortex* → **Awarded a MUST READ label in Faculty of 1000**
76. Daselaar, S. M., Fleck, M., Prince, S. E., & **Cabeza, R.** (2006). The medial temporal lobe distinguishes old from new independently of consciousness. *Journal of Neuroscience*, 26, 5835-5839.
75. Fleck, M, Daselaar, S. M., Dobbins, I. & **Cabeza, R.** (2006). Role of prefrontal and anterior cingulate regions in decision-making processes shared by memory and non-memory tasks. *Cerebral Cortex*.
74. *Dolcos, F., LaBar, K.S., & **Cabeza, R.** (2006). The memory-enhancing effect of emotion: Functional neuroimaging evidence. Uttl, B., Ohta, N., & Siegenthaler, A. L. *Memory and Emotion: Interdisciplinary Perspectives*. Blackwell Publishing.
73. *Daselaar, S.M., Brown dyke, J., **Cabeza, R.** (2006). Functional neuroimaging of cognitive aging. In R. Cabeza & A. Kingstone, *Handbook of Functional Neuroimaging of Cognition—Second Edition*. MIT Press.
72. *LaBar, K.S., & **Cabeza, R.** (2006). Cognitive neuroscience of emotional memory. *Nature Reviews Neuroscience*, 7, 54-64.
71. ***Cabeza, R.** (2006) . Prefrontal and medial temporal lobe contributions to relational memory in young and older adults. In D. Zimmer, A. Mecklinger & U. Lindenberger (Eds). *Binding in Human Memory: A Neurocognitive Approach*. New York, Oxford University Press, p. 595-626

2005

70. Prince, S.E., Daselaar, S. M., **Cabeza, R.** (2005) Neural correlates of relational memory: Successful encoding and retrieval of semantic and perceptual associations. *Journal of Neuroscience*, 25, 1203-1210. → **Awarded a RECOMMENDED label in Faculty of 1000**
69. Dolcos, F., LaBar, K.S., & **Cabeza, R.** (2005). Remembering one year later: Role of the amygdala and medial temporal lobe memory system in retrieving emotional memories. *Proceedings of the National Academy of Sciences, USA.*, 102, 2626-2631.
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62. ***Cabeza, R.,** (2004). Cognitive neuroscience of aging: The birth of a new discipline. In R. Cabeza, L. Nyberg, D. C. Park, D. C. (Eds). *Cognitive Neuroscience of Aging: Linking Cognitive and Cerebral Aging*. Oxford University Press.
61. **Daselaar, S. M., Prince, S. E., & Cabeza, R.** (2004). When less means more: deactivations during encoding that predict subsequent memory. *Neuroimage*, 23, 921-927
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22. Düzel, E., **Cabeza, R.**, Picton, T. W., Yonelinas, A. P., Scheich, H., Heinze, H.-J., & Tulving, E. (1999). Task- and item-related processes in memory retrieval: A combined PET and ERP study. *Proceedings of the National Academy of Sciences USA*, 96, 1794-1799.
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19. Nyberg, L., **Cabeza, R.**, & Tulving, E. (1998). Asymmetric frontal activation during episodic memory: What kind of specificity? *Trends in Cognitive Sciences*, 2, 419-420.
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13. **Cabeza, R.**, Kapur, S., Craik, F. I. M., McIntosh, A. R., Houle, S., Tulving, E. (1997). Functional neuroanatomy of recall and recognition: A PET study of episodic memory. *Journal of Cognitive Neuroscience*, 9, 254-265.
12. **Cabeza, R.**, & Nyberg, L. (1997). Imaging Cognition: An empirical review of PET studies with normal subjects. *Journal of Cognitive Neuroscience*, 9, 1-26.
11. **Cabeza, R.**, McIntosh, A. R., Tulving, E., Nyberg, L., & Grady, C. L. (1997). Age-related differences in effective neural connectivity during encoding and recall. *Neuroreport*, 8, 3479-3483.
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9. **Cabeza, R.**, Burton, A. M., Kelly, S. W., & Akamatsu, S. (1997). Investigating the relation between imagery and perception: Evidence from face priming. *Quarterly Journal of Experimental Psychology*, 50A, 284-289.

Until 1996

8. Kapur, S., Tulving, E., **Cabeza, R.**, McIntosh, A. R., Houle, S., Craik, F. I. M. (1996) Neural correlates of intentional learning of verbal materials: A PET study in humans. *Cognitive Brain Research*, 4, 243-249.
7. Nyberg, L., McIntosh, A. R., **Cabeza, R.**, Habib, R., Houle, S., & Tulving, E. (1996). General and specific brain regions involved in encoding and retrieval of events: What, where, and when. *Proceedings of the National Academy of Sciences USA*, 93, 11280-11285.
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5. Nyberg, L., **Cabeza, R.**, & Tulving, E. (1996). PET studies of encoding and retrieval: The HERA Model. *Psychonomic Bulletin & Review*, 3, 134-147.
4. Nyberg, L., Tulving, E., Habib, R., Nilsson, L.-G., Kapur, S., Houle, S., **Cabeza, R.**, & McIntosh, A. R. (1995) Functional brain maps of retrieval mode and recovery of episodic information. *Neuroreport*, 7, 249-252.
3. **Cabeza, R.** (1995). Investigating the mixture and subdivision of perceptual and conceptual processing in Japanese memory tests. *Memory & Cognition*, 23, 155-165.
2. **Cabeza, R.** (1994). A dissociation between two implicit conceptual tests supports the distinction between types of conceptual processing. *Psychonomic Bulletin & Review*, 1, 505-508.
1. **Cabeza, R.**, & Ohta, N. (1993). Dissociating conceptual priming, perceptual priming, and explicit memory. *European Journal of Cognitive Psychology*, 5, 35-53.

Invited Talks, Workshops, and Chairships**2007**

70. **Keynote Address.** Society for Psychophysiological Research, Savannah, GA (Oct 7)

2006

69. Talk at Center for Cognitive Neuroscience, University of Pennsylvania (Dec 4)
68. Talk at symposium *Neuroscience and Memory*. Cognitive Aging Conference, Atlanta
66. Talk at *Current Research in Cognitive Neuroscience Series*, Department of Psychological Sciences, Purdue University
65. Talk at Duke Institute for Learning in Retirement, Duke Continuing Education, Forest at Duke, Durham

2005

64. Talk at symposium *Neuroimaging and the Varieties of Psychology*. University of Missouri, Columbia
Other invited speakers included Marcus Raichle, John Jonides, Kevin Ochsner, Kathleen Thomas, and William Bechtel
63. Chair of Session *Long-Term Memory III*. Annual Meeting of the *Society for Neuroscience*, Washington, DC

62. Talk at Invited Symposium: *Successful Cognitive Aging I – Brain Change Can Be Good*, APA Annual Convention (Washington DC)
Organized by Dr. Molly Wagster (NIA-NIH). Other invited speakers: Michela Gallagher and Randy Buckner
61. Talk at XVIII World Congress of Gerontology, Rio de Janeiro (Brazil)
When receiving the Busse Research Award in the Biomedical Sciences
60. Chair of session *MCI and Early AD: The Role of Neuroimaging*. XVIII World Congress of Gerontology, Rio de Janeiro, (Brazil)
59. Talk at *Perspectives in Neuroscience Seminar Series*, Center for Neuroscience, University of California – Davis
58. Talk at International Conference on the Future of Cognitive Aging Research. Pennsylvania State University
Other invited speakers included Paul Baltes, Fredda Blanchard-Fields, Neil Charness, Fergus Craik, Christopher Hertzog, William Hoyer, Ulman Lindenberger, Mark McDaniel, Denise Park, Pat Rabbit, Naftali Raz, Patricia Reuter-Lorenz, Tim Salthouse, and Werner Schaie
57. Talk at *Perspective in Neuroscience Seminar Series*, Neuroscience Program, University of Western Ontario (Canada)
56. Talk at Neuroscience Research Institute. Tsukuba (Japan)
55. Talk at Tsukuba International Conference on Memory – Memory and Emotion. Tsukuba University (Japan).
Other invited speakers included John Kihlstrom, Asher Koriat, Hans Markowitsch, Linda Levine, Daniel Reisberg, Mara Mather, Gail Goodman, Andrew Mathews, and Sven-Ake Christianson.
54. Talk at Department of Communication Sciences & Disorders. University of Texas, Austin.
53. Talk at *Winter Conference on Neural Plasticity* (Guadeloupe, French Antilles)
52. Talk at Department of Psychology, University of Michigan, Ann Arbor, MI

2004

51. Talk at Department of Psychology, North Carolina State University, Raleigh, NC.
50. Talk at Symposium *What is the role of parietal cortex in memory retrieval?* Annual meeting of the Memory Disorders Research Society, New York.
49. **Keynote Address** at VIII International Cognitive Aging Conference. Marseille (France)
48. **Invited Address** at 16th Annual Convention of the American Psychological Society.
47. Talk at Department of Cognitive and Linguistic Sciences, Brown University

2003

46. Talk at Conference *Cognitive Neuroimaging: Progress and Processes*. University of New Mexico and MIND Institute, Albuquerque, New Mexico..
Other invited speakers included S. Hillyard, J. Haxby, J. Gabrieli, H. Neville, S. Petersen, S. Bookheimer, and R. Buckner
45. **Keynote Address** at Biannual Congress of the Latino-American Society of Neuropsychology. Nov 2003, Montreal, (Canada)
44. Talk at Department of Psychology, Emory University, Atlanta
43. Speaker/discussant at the workshop *Cognitive/Brain Reserve and Aging* organized by Neuroscience and Neuropsychology of Aging Program of the National Institute of Aging (NIH), Bethesda
Other invited speakers/discussants included R. Buckner, C. Cotman, M. Gallagher, W. Greenough, S. Resnick, M. Richards, T. Salthouse, R. Wilson.
42. Talk at Symposium *Individual Differences in Aging*. Annual meeting of the International Society for Behavioral Neuroscience, Prague (Czech Republic)
41. Talk at Conference *Reprogramming the Human Brain*. University of Texas Southwestern Medical Center at Dallas
Other invited speakers in the symposium included *Nobel Laureates* D. Hubel and T. Wiesel, as well as C. Gilbert, T. Südhof, P. Sanberg, K. Thulborn, S. Kernie, and M. Sur.
40. Talk at International Brain Awareness Week. University of Geneva (Switzerland)
39. Talk at Department of Psychology, University of Toronto, Toronto (Canada)
38. Talk at Vrije Universiteit Medical Center, Amsterdam (The Netherlands)

2002

37. Talk at Institute of Gerontology, Wayne State University, Detroit, MI
36. Talk at Research Center, Montreal University Geriatric Institute, Montreal (Canada)
35. Talk at *Fall Academy* seminar, Berlin (Germany)
The *Fall Academy* is a component of the doctoral program on “Neuropsychiatry and Psychology of Aging” at the *Free University of Berlin* and the *Max Planck Institute of Human Development*. Other invited speakers included L. Backman, V. Kaasinen, E.A. Nofzinger, M. Lackman, & P. Norman
34. Four-talk seminar at *Seminar in Cognitive Neuroscience*, Sion (Switzerland)
This seminar is part of the *Graduate Program in Cognitive Psychology*, a joint program of the Universities of Berne, Fribourg, Geneva, and Zurich. Previous invited seminars in this program were given by A. Baddeley (1992), G. Bower (1993), F.I.M. Craik (1995), R. Engle (2000), J. Engelkamp (1992), J. Gardiner (1991), P. Graf (1998), L. Jacoby (1995), M. Johnson (1996), W. Kintsch (1992), T. Landis (1992), E. Loftus (1993), D. McKay (200), M. Moscovitch (1996), D. Rubin (1994), T. Salthouse (1994), and W. Schneider (1991)
33. Talk at International Neuropsychological Symposium, Sitges (Spain)

32. Talk at Conference *Binding in Human Memory: A Neurocognitive Approach*. Saarland University, Saarbrücken, (Germany)
Other invited speakers included A. Treisman, F. I. M. Craik, R. Dolan, H. Markowitsch, D. Friedman, Malcolm Brown, Gordon Brown, K. Paller, A. Yonelinas, A. Wagner, B. Knowlton, T. Curran.
31. Talk at Center for the Neurobiology of Learning and Memory, University of California Irvine
30. Talk at Department of Psychology, New York University
29. Overview talk at the *Cognitive Aging Conference*, Atlanta.

2001

28. Talk at Department of Psychology, University of North Carolina, Chapel Hill
27. Talk at Symposium *Visualizing the Aging Brain: The Impact of Non-invasive Neuroimaging on Understanding of Cognitive Aging*. Symposium in the official program of the 2001 Annual Meeting Society for Neuroscience, San Diego.
The other invited speakers were N. Raz, M. D'Esposito, and N. Volkow
26. Talk at Conference *Frontiers of Human Memory*. Japan Society for the Promotion of Science, Sendai (Japan)
Other invited speakers included P. Roland, N. Kapur, D. Stuss, M. Moscovitch, A. Shimamura, H. Markowitsch, and R. Seitz
25. Talk at Symposium *Many Levels and Facets of Memory Aging*. International Conference of Memory III, Valencia, (Spain)
Other invited speakers included L. Bäckman, D. Burke, G. McKoon, L. Light, R. Ratcliff, N. Raz, T. Singer, P. Verhaeghen, and R. West
24. Commentator of Marcus Raichle's Plenary Talk at the 5th Annual Meeting of the Association for the Scientific Study of Consciousness, Duke University.
23. Talk at Conference *New Frontier in Cognitive Aging*, Whistler (Canada)
Other invited speakers included R. Dixon, L.-G. Nilsson, L. Bäckman, D. Park, C. Hertzog, D. Hultsch, L. Light, N. Raz, L. Nyberg, U. Lindenberger, H. Christensen, N. Pedersen, and P. Graf
22. Talk at Cognitive Neuroscience of Aging Talk Series. Department of Psychology, University of Michigan,
Other speakers in the talk series included J. Gabrieli, R. Buckner, and P. Reuter-Lorenz

2000

21. Talk at Institute for Cognitive Neuroscience, University College London (England)
20. Talk at Symposium *The Aging Brain and Mind*. APA Annual Convention (Washington DC)
Other invited speakers included J. Gabrieli, R. Buckner, and P. Reuter-Lorenz

1999

19. Talk at Old Memories Conference. Cold Spring Harbor Laboratory (New York)
Other invited speakers included K. Berman, F. Craik, M. D'Esposito, M. Gallagher, J. Gabrieli, C. Grady, L. Light, and D. Park.
18. Talk at Biomedical Imaging Research Centre, Fukui Medical University (Fukui, Japan)
17. Talk at Laboratory for Cognitive Brain Mapping, Brain Science Institute, RIKEN (Wako, Japan)
16. Talk at Department of Psychology, University of Tsukuba (Tsukuba, Japan)
15. Talk at ATR Human Information Processing Research Laboratories (Tokyo, Japan)

1998

14. Talk at Memory, Consciousness, and the Brain: The Tallinn Conference. Tallinn (Estonia)
Other invited speakers included M. Gazzaniga, T. Shallice, F. Craik, D. Schacter, and H. Roediger
13. Talk at 4th Innsbruck Neuropsychology Conference. Innsbruck (Austria)
Other invited speakers included D. LeBihan, and J. Decety
12. Talk at Innsbruck University Hospital (Austria)

1997

11. Talk at Institute of Experimental Biology and Medicine (Buenos Aires, Argentina)
10. Talk at Raúl Carrea Institute of Neurological Research—FLENI (Buenos Aires, Argentina)
9. Talk at Private Hospital of Cordoba (Cordoba, Argentina)
8. Talk at Psychology Research Institute, University of Buenos Aires (Argentina)
7. Talk at Department of Psychology, University of Toronto (Canada)

1996

6. Talk at National Institute of Bioscience and Human Technology (Tsukuba, Japan)
5. Talk at Neural Computation Section, Communications Research Laboratories (Tokyo, Japan)
4. Talk at ATR Human Information Processing Research Laboratories (Tokyo, Japan)
3. Talk at National Hospital for Mental Disorders (Tokyo, Japan)
2. Talk at Institute for Brain Research, University of Tokyo School of Medicine (Japan)
1. Talk at Department of Education, University of Tsukuba (Tokyo Campus), Japan

Conference Presentations

Presentations with a published abstract are indicated with *. Names of supervised students are in *italics*.

2007

105. Madden, D. J., Costello, M.C., Cradell Daves, L. L., White, L. E., Provenzale, J. M., **Cabeza, R.**, & Huettel, S. A. (2007) Cerebral white matter fiber tracking: Adult age and attention. APA Annual Convention.

2006

104. *Davis, S.W., Dennis, N.A., Fleck, M.S., Daselaar, S.M., Cabeza, R.*, (2006). Que PASA?: The posterior-anterior shift in aging. *Society for Neuroscience Abstracts*.
103. *Dennis, N.A., Kim, H. & Cabeza, R.* (2006). The neural basis of true and false recognition in aging. *Society for Neuroscience Abstracts*.
102. *Prince, S.E. & Cabeza, R.* (2006). Have I seen you here before? An fMRI study of the successful encoding and recognition of faces, scenes, and face--scene pairings. *Society for Neuroscience Abstracts*.
101. *St. Jacques, P.L., Rubin, D.C., LaBar, K.S., & Cabeza, R.* (2006). Neural correlates of temporal-context vs. item memory for autobiographical events: An fMRI study using a novel photo paradigm. *Society for Neuroscience Abstracts*.
100. *Daselaar, S.M., Prince, S.E., & Cabeza, R.* (2006). Posterior midline activity is beneficial for episodic retrieval but detrimental for episodic encoding: Implications for understanding the default state of the brain. *Society for Neuroscience Abstracts*.
99. *Kim, H. & Cabeza, R.* (2006). Trusting our memories: Double dissociations between the neural correlates of confidence in true versus false memories. *Society for Neuroscience Abstracts*.
98. Ebert, P.L., Jennings, J., Jaspers-Fayer, F, Arita, S., Kushnir, V., Lysenko, M., Grady, C., **Cabeza, R.**, Graham, S., & Anderson, N.D. (November, 2006). Memory training in healthy older adults and older adults with Amnesic Mild Cognitive Impairment. Poster presented at the Alzheimer Society of Canada Conference, Toronto, Ontario.
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Sample of empirical papers	Citations
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