

October 14, 2015

CURRICULUM VITAE

Hanna B. C. Damasio

I. PERSONAL DATA

U. S. Citizen
Born in Portugal

Dornsife Neuroscience Imaging Center
University of Southern California
Los Angeles, CA 90089-2921
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II. EDUCATION

1969 MD University of Lisbon
Medical School, Lisbon

III. POST-GRADUATE EDUCATION

1969-70	Rotating Internship	University Hospital Lisbon
1970-72	Medical Internship	University Hospital Lisbon
1972-74	Residency in Neurology	University Hospital Lisbon
1974-75	Research Fellow	Centro de Estudos Egas Moniz, Lisbon

Other Studies

1967	Research Fellow	Aphasia Research Center, Boston (with Dr. Norman Geschwind)
1968	Training in Cytology	Institute of Biology and Histology, Univ. of Lisbon College of Medicine
1970	Electron Microscopy Intensive Post-Graduate Course	Gulbenkian Institute of Science, Portugal
1973 &	Neuroradiology Post-	Columbia University,

1979	Graduate Courses	New York
1975	Neurology Post-Graduate Course	National Hospital for Nervous Diseases, Queen Square, London
1975	Senior Registrar	Princess Margaret Migraine Clinic, London
1979	Neuroradiology Post-Graduate Course	Columbia University, NY

IV. ACADEMIC APPOINTMENTS

2011 - present	Appointed University Professor at the University of Southern California
2006 - present	Dana Dornsife Professor of Neuroscience in the Dana and David Dornsife College of Letters, Arts and Sciences, University of Southern California
2005 - present	Director, Dana and David Dornsife Cognitive Neuroscience Imaging Center, University of Southern California
2005 - present	Professor of Psychology, Neuroscience and Neurology, University of Southern California
2005 - present	Distinguished Adjunct Professor, University of Iowa
1998 - 2005	University of Iowa Distinguished Professor
1994 - present	Adjunct Professor, Salk Institute for Biological Studies, La Jolla, CA
1985 - 2005	Professor, Department of Neurology University of Iowa
1981 - 1985	Associate Professor, Department of Neurology, University of Iowa
1985 - 2005	Co-Director, Division of Cognitive Neuroscience, Department of Neurology, University of Iowa
1982 - 2005	Director, Laboratory for Neuroimaging and Human Neuroanatomy, Department of Neurology, University of Iowa
1977 - 1981	Assistant Professor, Department of Neurology, University of Iowa
1977 - 1988	Director, The Migraine Clinic

Department of Neurology
University of Iowa

1976 - 1977

Instructor, Department of Neurology
University of Iowa

October 1975 - June 1976

Fellow-Associate, Department of
Neurology, University of Iowa

V. LICENSURE

Permanent Unrestricted Medical License, Portugal, 1969

Medical License, United Kingdom, 1975

Permanent Unrestricted License, Iowa 20897, 1977

VI. AREAS OF RESEARCH

The Neuroanatomical Basis of Cognition

VII. CURRENT PROJECTS

1. Development of new techniques to investigate brain structure in vivo using magnetic resonance (MR).
2. Development of new techniques to evaluate experimental results in PET and fMR imaging.
3. Investigation of the neuroanatomical substrates of language, memory, emotion, and decision-making using the lesion method, and functional imaging.

VIII. SELECTED HONORS AND PRIZES

Doctor Honoris Causa, Université Paris Descartes (Sorbonne), 2015.

Escola Secundária D. Afonso Henriques-Vila das Aves, Room in the Library dedicated to the scientific work of Antonio and Hanna Damasio, Porto, Portugal, 2014

Doctor Honoris Causa, Open University of Catalonia, Barcelona, 2012

Doctor Honoris Causa, École Polytechnique Fédérale de Lausanne (Swiss Institute of Technology), 2011

USC University Professor, 2011.

Honorary Citizen of Porto, City of Science, Porto, September 2005

Jean-Louis Signoret Prize in Cognitive Neuroscience, 2004.

Doctor Honoris Causa, University of Aachen, 2002.

Listed in *Best Doctors in America* under Neurology, 1992 - 2004

Doctor Honoris Causa, University of Lisbon, 2001.

Named Distinguished Professor, University of Iowa Foundation, 1998.

Elected to the American Academy of Arts and Sciences, 1997.

Elected to the American Neurological Association, 1995.

Order of Santiago da Espada (Grand Oficial), 1995.

Pessoa Prize, 1992.

Prize for Outstanding Book in Bio and Medical Sciences, 1989 (from the Professional and Scholarly Book Division of the Association of American Publishers), for "Lesion Analysis in Neuropsychology" (Oxford University Press, 1989).

IX. SELECTED GRANTS AND CONTRACTS

Institute for New Economic Thinking 2015 - 2018
"Scientific Insights on Human Nature and a New Economics of Cooperation and Conflict"
Principal Investigator

Nicolas Berggruen Charitable Foundation 2015 - 2018
"Humans, Science, and Technology"
Principal Investigator

NIMH 2015 - 2020
"The Neurobiological Basis of Heterogeneous Social and Motor Deficits in ASD"
Co-Investigator

NIH 1R01DC011538 2009 - 2016
"Quantitative Lesion Deficit Analysis of Sign Language Aphasia"
Principal Investigator

DARPA D12AP00069 2012 - 2015
"Culture-specific neurobiological models of the influence of narrative framing using sacred values."
Co-Principal Investigator

NIH DC003681 2010 - 2015
"Neurobiology of Auditory Language Perception"
Principal Investigator

Air Force Office of Scientific Research (ASFOR) "Collaborative Research: Developing, Testing, and Validating Brain Alignment Algorithm using Geometric Analysis" Principal Investigator	2010 - 2013
NIH P01NS19632-24 to 29 "Anatomical Substrates of Complex Behavior" Co-Program Director	2007 - 2013
The Mathers Foundation "The Neurobiology of Consciousness" Co-Principal Investigator	2008 - 2012
NIH 1 R01 DC006708-01A1 "Neural Systems Underlying Sign Language", Co-Principal Investigator	2005 - 2009
NIH R01 DC03681-01A1 "Neurobiology of Auditory Language Perception", Co-Principal Investigator	2005 - 2010
NIDA 5 R01 DA022549-02 Drug Abuse, Social Decision-Making and Sex-related Functional Brain Asymmetry, Co-Principal Investigator	2006 - 2009
NIH P01NS 19632 Program Project "Anatomical Substrates of Complex Behavior," Co-Program Director	2001 - 2007
NIH P01NS 19632 Program Project "Anatomical Substrates of Complex Behavior," Co-Program Director and Principal Investigator of Core Project	1996 - 2001
NIH 1 P50 DC0 3189-01A1 Program Project "Neural Correlates of Lexical Processing in English and ASL", Co-Program Director and Principal Investigator	1997 - 2002
NIH P01NS 19632 Program Project "Anatomical Substrates of Complex Behavior," Co-Program Director	1991 - 1996
"Neurobiology of Emotion" The Mathers Foundation Co-Principal Investigator	1995 - 2000
NIH P01NS 19632 Program Project "Anatomical Substrates of Complex Behavior," Co-Program Director and Principal Investigator of Core Project	1991 - 1996

"Testing and Further Development of a New Model for the Neural Basis of Cognition: Implications for the Understanding of Brain Diseases," Co-Principal Investigator, The Mathers Foundation.	1989 - 1995
NIA P50 AG05681 Washington University Iowa/Missouri Consortium for Alzheimer's Disease, Co-Investigator	1990 - 1995
N00014-91-J-1240 "Neural Systems Underlying Visual Recognition in Humans," Office of Naval Research, Co-Investigator	1990 - 1993
NIH PO1 NS 19632 Program Project "Anatomical Substrates of Complex Behavior," Co-Program Director	1986 - 1991
NIH PO1 NS 32326 Evaluation of "Magnetic Resonance Imaging (MRI) Early in the Course of Acute Stroke," Principal Investigator	1987 - 1989
"Anatomical and Neurochemical Aspects of Alzheimer's Disease," Principal Investigator, The Mathers Foundation	1985 - 1988
NIH PO1 NS 1962-01 Program Project "Anatomical Substrate of Complex Behavior," Co-Program Director	1983 - 1986
"Late Phase I and Phase II Studies of Naloxone in the Treatment of Acute Cerebral Infarction," NIH N01-NS3-2326 Co-Investigator	1983 - 1985
"Effectiveness of Naloxone in the Treatment of Dementia," Mathers Foundation, Co-Principal Investigator	1983 - 1984

X. PROFESSIONAL AFFILIATIONS

Boards of Foundations

Member, Scientific Board, Bial Foundation (1995 -

Society Memberships

1995 American Neurological Association

1994 Board Member, American Society of Neuroimaging

1988 Memory Disorders Research Society

1988 Academia Rodinensis Pro Remediatione

- 1988 National Aphasia Association (Founding Member)
- 1985 Society for Neuroscience
- 1983 American Society of Neuroimaging
- 1981 International Neuropsychological Society
- 1981 Academy of Aphasia
- 1979 Association for Research in Nervous and Mental Diseases
- 1977 Research Group on Headache and Migraine of The World Federation of Neurology
- 1976 American Academy of Neurology
- 1972 Sociedade Portuguesa de Neurologia e Psiquiatria

Boards of Scientific Journals

- Board Editor, Human Brain Mapping (1992-
- Board Editor, NeuroImage (2002-

XI. SELECTED BIBLIOGRAPHY

Web of Science H Index (Damasio, H*): 76; over 25,000 citations

Google Scholar H Index (Damasio, Hanna): 91; over 54,000 citations

Books

Damasio H: Human Brain Anatomy in Computerized Images, 2nd edition, Oxford University Press, New York, 2005.

Damasio AR, Damasio H, Christen Y, (eds.), Neurobiology of Decision-Making, Springer Verlag, New York, 1995.

Damasio H and Damasio A: Lesion Analysis in Neuropsychology, Oxford University Press, NY, 1989. Japanese edition: Igaku-Shoin, Tokyo, 1992.

Selected Articles

Araujo, H. F., Kaplan, J., Damasio, H., & Damasio, A. (in press). Neural correlates of different self domains. *Brain and Behavior*.

Ilari BS, Keller P, Damasio H, Habibi A. (to appear). Musical development of children from an underserved urban community: A longitudinal study in the context of an El Sistema-inspired program. *Frontiers*

Fox, G. R., Kaplan, J., Damasio, H., and Damasio, A. (2015). Neural correlates of gratitude. *Frontiers in Psychology*, 6(1491).

Garrison K, Rogalsky C, Tong S, Liu B, Damasio H, Winstein CJ, Aziz-Zadeh LS. Functional MRI preprocessing in lesioned brains: manual versus automated region of interest analysis. *Frontiers in Neurology*, 6:196. 2015

Rogalsky C, Poppa T, Chen KH, Anderson SW, Damasio H, & Hickok G. Speech repetition as a window on the neurobiology of auditory-motor integration for speech: A voxel-based lesion symptom mapping study. *Neuropsychologia*, 71, 18-27. 2015

Immordino-Yang MH, Yang XF, Damasio H, Correlations between social-emotional feelings and anterior insula activity are independent from visceral states but influenced by culture. *Frontiers in Human Neuroscience*, 8:728.doi: 10.3389/fnhum.2014.00728. 2014

Habibi, A, Ilari, B, Crimi, K, Metke, M., Kaplan, J., Joshi, A., & Damasio, H. (2014). An Equal Start: Absence of Group Differences in Cognitive, Social and Neural Measures Prior to Music or Sports Training in Children. *Name: Frontiers in Human Neuroscience*, 8, 690. 2014

Araujo HF, Kaplan J, Damasio H, Damasio A. Involvement of cortical midline structures in the processing of autobiographical information. *PeerJ* 2:e481. DOI 10.7717/peerj-481.2014

Rogalsky C, Raphel K, Tomkovicz V, O'Grady L, Damasio H, Bellugi U & Hickok G, Neural basis of action understanding: Evidence from sign language aphasia, *Aphasiology*, Volume 27, Issue 9, pages 1147-1158 2013 DOI:10.1080/02687038.2013.812779

Man K, Kaplan JT, Damasio H, Damasio A. Neural convergence and divergence in the mammalian cerebral cortex: from experimental neuroanatomy to functional neuroimaging. *Journal of Comparative Neurology*, DOI:10.1002/cne.23408, 2013

Allen JS, Emmorey K, Bruss J, Damasio H: Neuroanatomical differences in visual, motor, and language cortices between congenitally deaf signers, hearing signers, and hearing non-signers, *Frontiers in Neuroanatomy* 7, August 2013

Zhuang J, Lu ZL, Vidal CB, Damasio H. Correction of eddy current distortions in high angular resolution diffusion imaging. *Journal of Magnetic Resonance Imaging* Volume 37, Issue 6, pages 1460-1467, 2013

Wisnowski J, Bluml S, Paquette L, Zelinsky E, Nelson M, Painter J, Damasio H, Giles F, Panigrahy A. Altered glutamatergic metabolism associated with punctate white matter lesions in preterm infants. *PLOS ONE*. Volume 8, Issue 2 e56880 DOI 10.1371/journal.pone.0056880 February 2013

Rogalsky C, Vidal C, Li X, Damasio, H. Risky decision-making in older adults without cognitive deficits: an fMRI study of VMPFC with the Iowa Gambling Task. *Social Neuroscience*, 7:2, 178-190, 2012

Joshi AA, Ashrafulla S, Shattuck DW, Damasio H, Leahy RM. An Invariant Shape Representation using the Anisotropic Helmholtz Equation *Medical Image Computing and Computer Assisted Intervention (MICCAI)* 2012, Nice, France, 2012

Yang Y, Joshi AA, Joshi SH, Baker LA, Narr KL, Raine A, Thompson PM, Damasio H. Genetic and environmental influences on cortical thickness among 14-year-old twins. Neuroreport. 702-6, 2012

Gläscher J, Adolphs R, Damasio H, Bechara A, Rudrauf D, Calamia M, Paula LK, and Tranel D. Lesion mapping of cognitive control and value-based decision making in the prefrontal cortex. Proceedings of the National Academy of Sciences 109, 14681-14686, 2012

Damasio A, Damasio H, Tranel D. Persistence of feelings and sentience after bilateral damage of the insula. Cerebral Cortex. Volume 23, Issue 4 p. 833-846, 2012

Anand Joshi, David Shattuck, Hanna Damasio, Richard Leahy, (2012) Geodesic curvature flow on surfaces for automatic sulcal delineation, International Symposium on Biomedical Imaging: From Nano to Macro, Barcelona, pp. 430-433, 2012.

Aziz-Zadeh L, Sheng T, Liew SL, Damasio H, Understanding Otherness: The Neural Bases of Action Comprehension and Pain Empathy in a Congenital Amputee. Cereb. Cortex Volume 22, Issue 4 Pp. 811-819, 2011

Cavaco S, Anderson SW, Correia M, Magalhaes M, Pereira C, Tuna A, Taipa R, Pinto P, Pinto C, Cruz R, Lima AB, Castro-Caldas A, da Silva AM, Damasio H. Task-specific contribution of the human striatum to perceptual-motor skill learning. Journal of Clinical and Experimental Neuropsychology. 33(1):51-62, 2011

K Meyer, JT Kaplan, R Essex, H Damasio, A Damasio. Seeing touch is correlated with content-specific activity in primary sensory cortex. Cerebral Cortex; 21:2113-2121, 2011

Meyer K, Kaplan JT, Essex R, Webber C, Damasio H, Damasio A. Predicting visual stimuli on the basis of activity in auditory cortices. Nature Neuroscience vol 13, 6, 667-668, 2010

Young L, Bechara A, Tranel D, Damasio H, Hauser M, Damasio A. Damage to ventromedial prefrontal cortex impairs judgment of harmful intent. Neuron vol 65, 1 - 7, 2010

Gläscher J, Rudrauf D, Colom R, Paul LK, Tranel D, Damasio H, Adolphs R. Distributed neural system for general intelligence revealed by lesion mapping. Proceedings of the National Academy of Sciences vol. 107 no. 10 pp 4705-4709, 2010

Anand A. Joshi, Dimitrios Pantazis, Quanzheng Li, Hanna Damasio, David W. Shattuck, Arthur W. Toga, Richard M. Leahy. Sulcal set optimization for cortical surface registration, NeuroImage, Volume 50, Issue 3, 15 April, pp 950-959, 2010

Pantazis D, Joshi A, Jintao J, Shattuck D, Bernstein L, Damasio H, Leahy R. Comparison of landmark-based and automatic methods for cortical surface registration, NeuroImage Vol 49, Issue 3, pp 2479-2493, 2010

Immordino-Yang MH, McColl A, Damasio H, Damasio A, Neural correlates of admiration and compassion. Proceedings of the National Academy of Sciences vol. 106 no. 19 8021-8026, 2009

Gläscher J, Tranel D, Paul L, Rudrauf D, Rorden C, Hornaday A, Grabowski T, Damasio H, Adolphs R, Lesion Mapping of Cognitive Abilities Linked to Intelligence. Neuron 61, pp 681-691, 2009

Tranel D, Vianna E, Manzel K, Damasio H, Grabowski T. Neuroanatomical correlates of the Benton Facial Recognition Test and Judgment of Line Orientation Test. Journal of Clinical and Experimental Neuropsychology. 31(2):219-33. 2009

Rudrauf D, Lachaux JP, Damasio A, Baillet S, Hugueville L, Martinerie J, Damasio H, Renault B. Enter feelings: somatosensory responses following early stages of visual induction of emotion. International Journal of Psychophysiology. Apr;72(1):13-23, 2009.

Anderson SW, Wisnowski JL, Barrash J, Damasio H, Tranel D. Consistency of neuropsychological outcome following damage to prefrontal cortex in the first years of life. Journal of Clinical and Experimental Neuropsychology 31: 2, 2009

Bechara A, Tranel D, and Damasio H. Characterization of the decision-making deficit of patients with ventromedial prefrontal cortex lesions. Brain, 132: p. 1289, 2000. 2009

Allen JS, Emmorey K, Bruss J, Damasio H. Morphology of the insula in relation to hearing status and sign language experience. Journal of Neuroscience. 28(46):11900-5. 2008

Clark L, Bechara A, Damasio H, Aitken MR, Sahakian BJ, Robbins TW. Differential effects of insular and ventromedial prefrontal cortex lesions on risky decision-making. Brain. 131(Pt 5):1311-22. 2008

Tranel D, Rudrauf D, Vianna EPM, Damasio H. Does the Clock Drawing Test have focal neuroanatomical correlates? Neuropsychology 22: 5:553 - 562, 2008

Allen JS, Bruss, J, Mehta S, Grabowski T, Damasio H. Effects of spatial transformation on regional brain volume estimates. Neuroimage 42:535-547,2008

Rudrauf D, Mehta S, Bruss J, Tranel D, Damasio H, Grabowski T. Thresholding lesion overlap difference maps: Application to naming and recognition deficits in various categories of concrete entities. Neuroimage 41:970-984,2008

Anderson SW, Aksan N, Kochanska G, Damasio H, Wisnowski J, Afifi A: The earliest behavioral expression of focal damage to human prefrontal cortex. Cortex, 43: 801 - 816, 2007

Berntson GG, Bechara A, Damasio H, Tranel D, Cacioppo JT. Amygdala contribution to selective dimensions of emotion. Social Cognitive Affective Neuroscience. 2(2):123-129, 2007.

Naqvi N, Rudrauf D, Damasio H, Bechara A: Damage to the insula disrupts addiction to cigarette smoking. Science Vol 315: 531 - 534, 2007

Anderson SW, Rizzo M, Skaar N, Stierman L, Cavaco S, Damasio H, Dawson J: Amnesia and driving. Journal of Clinical and Experimental Neuropsychology 29: 1 - 12, 2007

Preston S, Bechara A, Damasio H, Grabowski T, Stansfield B, Mehta S, Damasio A: The neural substrates of cognitive empathy Social Neuroscience 2: 3 & 4, 254 - 275, 2007

Damasio A, Damasio H: Minding the Body. In: Daedalus (Journal of the American Academy of Arts & Sciences) Vol 135: 3, 15 - 22, 2006

Fiez JA, Tranel D, Seager-Frerichs D, Damasio H: Specific reading and phonological processing deficits are associated with damage to the left frontal operculum. Cortex , 4: 1 - 20, 2006

Allen JS, Bruss J, Damasio H: Looking for the lunate sulcus: a magnetic resonance imaging study in modern humans. The Anatomical Record Part A, 288A: 867-876, 2006

Allen JS, Tranel D, Bruss J, Damasio H: Correlations between regional brain volumes and memory performance in anoxia. Journal of Clinical and Experimental Neuropsychology 28: 457-476, 2006

Allen JS, Bruss J, Brown CK, Damasio H: Methods for studying the aging brain: Volumetric analyses versus VBM. Neurobiology of Aging 26: 1275-1278, 2005.

Allen JS, Bruss J, Brown CK, Damasio H: Normal neuroanatomical variation due to age: The major lobes and parcellation of the temporal region. Neurobiology of Aging 26: 1245-1260, 2005.

Tranel D, Damasio H, Denburg N, Bechara A: Does gender play a role in functional asymmetry of ventromedial prefrontal cortex? Brain 128, 2872-2881 (2005)

Tranel D, Grabowski TJ, Lyon J, Damasio H: Naming the same entities from visual or from auditory stimulation engages similar regions of left inferotemporal cortices. Journal of Cognitive Neuroscience . 17(8): 1293-305, 2005

Allen JS, Bruss J, Damasio H: The Aging Brain: The Cognitive Reserve Hypothesis and Hominid Evolution. American Journal of Human Biology 17:673-689 2005

Kawasaki H, Adolphs R, Oya H, Kovach C, Damasio H, Kaufman, Howard M. Analysis of single-unit responses to emotional scenes in human ventromedial prefrontal cortex. J of Cognitive Neuroscience 17:10, 1509-1518. 2005

Emmorey K, Grabowski TJ, McCullough S, Ponto L, Hichwa R, Damasio H: The neural correlates of spatial language in English and American Sign Language: A PET study with hearing bilinguals. NeuroImage, 24:832-840, 2005

Shiv B, Loewenstein G, Bechara A, Damasio H, Damasio AR: Investment behavior and the negative side of emotion. Psychological Sciences, 16: 435-439, 2005

Bechara A, Damasio H, Tranel D, Damasio AR: The Iowa gambling task (IGT) and the somatic marker hypothesis (SMH): Some questions and answers. Trends in Cognitive Sciences, 9:159-162, 2005.

Anderson S, Damasio H, Damasio A: "A neural basis for collecting behavior in humans." Brain, 128:201-212, 2005.

Tranel D, Martin C, Damasio H, Grabowski TJ, Hichwa R. Effects of noun-verb homonymy on the neural correlates of naming concrete entities and actions. Brain Lang 92:288-299, 2005.

Heberlain AS, Adolphs A, Tranel D, Damasio H. Cortical Regions for Judgments of Emotions and Personality Traits from Point-light Walkers. Journal of Cognitive Neuroscience. 16:7, 11143-1158, 2004

Damasio H, Tranel D, Grabowski TJ, Adolphs R, Damasio AR: Neural systems behind word and concept retrieval. Cognition, 92:179-229, 2004.

Emmorey K, Grabowski TJ, McCullough S, Damasio H, Ponto L, Hichwa R, Bellugi U: Motor-iconicity of sign language does not alter the neural systems underlying tool and action planning. Brain and Language, 89:27-37, 2004.

Mehta S, Grabowski TJ, Trivedi Y, Damasio H: Evaluation of voxel-based morphometry for focal lesion detection in individuals. NeuroImage, 20:1438-54, 2003.

Tranel D, Kemmerer D, Damasio H, Adolphs R, Damasio AR: Neural correlates of conceptual knowledge for actions, Cognitive Neuropsychology, 20:409-432, 2003.

Grabowski TJ, Damasio H, Cooper GE, Tranel D, Frank RJ, Ponto LLB, Watkins GL, Hichwa RD. Residual naming after damage to left temporal pole: A PET activation study. NeuroImage 19:846-868, 2003.

Grabowski TJ, Damasio H, Eichhorn GR, Tranel D: Effects of gender on blood flow correlates of naming concrete entities. NeuroImage, 20:940-954, 2003.

Tranel D, Damasio H, Eichhorn GR, Grabowski TJ, Ponto LLB, Hichwa RD: Neural correlates of naming animals from their characteristic sounds. Neuropsychologia, 41:847-54, 2003.

Emmorey K, Grabowski TJ, McCullough S, Damasio H., Ponto LLB, Hichwa RW, Bellugi U. Neural systems underlying lexical retrieval for sign language. Neuropsychologia 41:85-95, 2003.

Emmorey K, Allen JS, Bruss J, Schenker N, Damasio H: A morphometric analysis of auditory brain regions in congenitally deaf adults, Proceedings of the National Academy of Sciences, 100:10049-10054, 2003.

Allen JS, Damasio H, Grabowski TJ, Bruss J, Zhang W: Sexual dimorphism and asymmetries in the gray-white composition of the human cerebrum, NeuroImage, 18:880-894, 2003.

Damasio H, Bechara A, Damasio AR. Reply to 'Do somatic markers mediate decisions on the gambling task?' Nature Neuroscience. 5:11 p. 1104-1104, 2002.

Allen JS, Damasio H, Grabowski TJ: Normal neuroanatomical variation in the human brain: an MRI-volumetric study. American Journal of Physical Anthropology, 118:341-358, 2002.

Adolphs R, Damasio H, Tranel D: Neural systems for recognition of emotional prosody: A 3-D lesion study. Emotion, 2:23-51, 2002.

Bechara A, Damasio H: Decision-Making And Addiction (Part I): Impaired Activation of Somatic States in Substance Dependent Individuals when Pondering Decisions with Negative Future Consequences. Neuropsychologia, 40:1675-1689, 2002.

Emmorey K, Damasio H, McCullough S, Grabowski T, Ponto LLG, Hichwa RD, Bellugi R: Neural systems underlying spatial language in American Sign Language. NeuroImage, 17:812-824, 2002.

Semendeferi K, Lu A, Schenker N, Damasio H: Humans and great apes share a large frontal cortex. Nature Neuroscience, 5:272-276, 2002.

Damasio H, Grabowski TJ, Tranel D, Ponto LLB, Hichwa R, Damasio AR: Neural correlates of naming actions and of naming spatial relations. NeuroImage, 13:1053-1064, 2001.

Grabowski TJ, Damasio H, Tranel D, Ponto LLB, Hichwa RD, Damasio AR: A role for left temporal pole in the retrieval of words for unique entities. Human Brain Mapping, 13:199-212, 2001.

Tranel D, Adolphs R, Damasio H, Damasio AR: A neural basis for the retrieval of words for actions. Cognitive Neuropsychology, 18:655-670, 2001.

Adolphs R, Tranel D, Damasio H: Emotion recognition from faces and prosody following temporal lobectomy. Neuropsychology, 15:396-404, 2001.

Parvizi J, Anderson S, Martin C, Damasio H, Damasio AR: Pathological laughter and crying: a link to the cerebellum. Brain, 124:1708-1719, 2001.

Kawasaki H, Adolphs R, Kaufman O, Damasio H, Damasio AR, Granner M, Bakken H, Hori T, Howard MA: Analysis of single-unit responses to emotional visual stimuli recorded in human ventral prefrontal cortex. Nature Neuroscience. 4:15-16. 2001.

Anderson SW, Damasio H, Tranel D, Damasio A. Longterm sequelae of prefrontal cortex damage acquired in early childhood. Developmental Neuropsychology.18:3 p. 281-296, 2000.

Damasio AR, Grabowski TJ, Bechara A, Damasio H, Ponto LLB, Parvizi J, Hichwa RD: Subcortical and cortical brain activity during the feeling of self-generated emotions. Nature Neuroscience, vol. 3:10, 2000.

Grabowski TJ, Frank RJ, Szumski NR, Brown CK, Damasio H: Validation of partial tissue segmentation of single-channel magnetic resonance images of the brain. NeuroImage, 12:640-656, 2000.

Kawasaki H, Adolphs R, Kaufman O, Damasio H, Damasio AR, Granner M, Bakken H, Hori T, Howard MA: Single-unit responses to emotional visual stimuli recorded in human ventral prefrontal cortex. Nature Neuroscience, 4:15-16, 2001.

Fiez JA, Damasio H, Grabowski TJ: Lesion segmentation and manual warping to a reference brain: intra- and interobserver reliability. Human Brain Mapping, 2:192-211, 2000.

Barrash J, Damasio H, Adolphs R, & Tranel, D: The neuroanatomical correlates of route learning impairment. Neuropsychologia, 38:820-836, 2000.

Bechara A, Damasio H, Damasio AR: Emotion, decision-making, and the orbitofrontal cortex. Cerebral Cortex, 10:295-307, 2000.

Bechara A, Tranel D, Damasio H: Characterization of the decision-making deficit of patients with ventromedial prefrontal cortex lesions. Brain, 123:2189-2202, 2000.

Adolphs R, Damasio H, Tranel D, Cooper G, Damasio AR: A role for somatosensory cortices in the visual recognition of emotion as revealed by three-dimensional lesion mapping. Journal of Neuroscience, 20:2683-2690, 2000.

Howard MA, Volkov IO, Mirsky R, Garell PC, Noh MD, Granner M, Damasio H, Stensneider M, Reale RA, Hind JE, Brugge JF: An auditory field in the

posterior superior temporal gyrus of human cerebral cortex. Journal of Comparative Neurology, 416:79-92, 2000.

Semendeferi K, Damasio H: The brain and its main anatomical subdivisions in living hominoids using magnetic resonance imaging. Journal of Human Evolution, 38:317-332, 2000.

Bechara A, Damasio H, Damasio AR, Lee GP: Different contributions of the human amygdala and ventromedial prefrontal cortex to decision-making. Journal of Neuroscience 19:5473-5481, 1999.

Anderson SW, Bechara A, Damasio H, Tranel D, Damasio AR: Impairment of social and moral behavior related to early damage in human prefrontal cortex. Nature Neuroscience, 2:1032-1037, 1999.

Grabowski TJ, Damasio H, Damasio AR: Premotor and prefrontal correlates of category-related lexical retrieval. NeuroImage, 7:232-243, 1998.

Bechara A, Damasio H, Tranel D, Anderson SW: Dissociation of working memory from decision-making within the human prefrontal cortex. Journal of Neuroscience, 18:238-437, 1998.

Frank RJ, Damasio H, Grabowski TJ: Brainvox: an interactive, multimodal, visualization and analysis system for neuroanatomical imaging. Neuroimage, 5:13-30, 1997.

Tranel D, Damasio H, Damasio AR: A neural basis for the retrieval of conceptual knowledge. Neuropsychologia, 35:1319-1327, 1997.

Semendeferi K, Damasio H, Frank R, Van Hoesen G.W.: The evolution of the frontal lobes: a volumetric analysis based on three-dimensional reconstructions of magnetic resonance scans of human and ape brains. Journal of Human Evolution, 34:375-388, 1997.

Bechara A, Damasio H, Tranel D, Damasio AR: Deciding advantageously before knowing the advantageous strategy. Science, 275:1293-1294, 1997.

Damasio H, Grabowski TJ, Tranel D, Hichwa R, Damasio AR: A neural basis for lexical retrieval. Nature, 380:499-505, 1996.

Grabowski TJ, Frank RJ, Brown CK, Damasio H, Ponto LLB, Watkins GL, Hichwa RD: A comparison of four pixel-based analyses for PET. The 2nd International Meeting on Quantification of Brain Function, Brain PET 95, Oxford, England, pp. 384-388, 1996.

Adolphs R, Damasio H, Tranel D, Damasio AR: Cortical systems for the recognition of emotion in facial expressions. Journal of Neuroscience, 16:7678-7687, 1996.

Grabowski TJ, Frank RJ, Brown CK, Damasio H, Boles-Ponto LL, Watkins GL, Hichwa RD: Reliability of PET activation across statistical methods, subject groups, and sample sizes. Human Brain Mapping, 4:23-46, 1996.

Bechara A, Tranel D, Damasio H, Damasio AR: Failure to respond autonomically to anticipated future outcomes following damage to prefrontal cortex. Cerebral Cortex, 6:215-225, 1996.

Howard MA, Volkov IO, Granner MA, Damasio HM, Ollendieck MC, Bakken HE: A hybrid clinical-research depth electrode for acute and chronic *in vivo* microelectrode recording of human brain neurons. Journal of Neurosurgery, 84:129-132, 1996.

Howard MA, Volkov IO, Abbas P, Damasio H, Ollendieck M, Granner M: A chronic microelectrode investigation of the tonotopic organization of human auditory cortex. Brian Research 724:260-264, 1996.

Grabowski TJ, Damasio H, Frank R, Hichwa RD, Boles-Pont LL, Watkins GL: A new technique for PET slice orientation and MRI-PET coregistration. Human Brain Mapping, Vol. 2:123-133, 1995.

Grabowski TJ, Damasio H, Frank R, Brown CK, Boles-Ponto LL, Watkins GL, Hichwa RD: Neuroanatomical analysis of functional brain images: validation with retinotopic mapping. Human Brain Mapping, 2:134-148, 1995.

Bechara A, Tranel D, Damasio H, Adolphs R, Rockland C, Damasio A: A double dissociation of conditioning and declarative knowledge relative to the amygdala and hippocampus in humans. Science, 269:1115-1118, 1995.

Adolphs R, Tranel D, Damasio H, & Damasio AR: Fear and the human amygdala. Journal of Neuroscience, 15:5879-5891, 1995.

Tranel D, Damasio H, Damasio AR: Double dissociation between overt and covert face recognition. Journal of Cognitive Neuroscience, 7:425-432, 1995.

Damasio H, Grabowski, T, Frank R, Galaburda AM, Damasio AR: The return of Phineas Gage: Clues about the brain from the skull of a famous patient. Science, 264:1102-1105, 1994.

Adolphs R, Tranel D, Damasio H, Damasio AR: Impaired recognition of emotion in facial expressions following bilateral damage to the human amygdala. Nature, 372:669-672, 1994.

Tranel D, Damasio AR, Damasio H, & Brandt JP: Sensorimotor skill learning in amnesia: Additional evidence for the neural basis of nondeclarative memory. Learning and Memory, 1,165-179, 1994.

Tranel, D. and Damasio, H: Neuroanatomical correlates of electrodermal skin conductance responses. Psychophysiology, 31:427-438, 1994.

Chu C-C, Tranel D, Damasio H: How reliable are occipital asymmetry measurements, Neuropsychologia 32:1503-1513, 1994.

Bechara B, Damasio AR, Damasio H, Anderson SW: Insensitivity to future consequences following damage to human prefrontal cortex. Cognition, 50:7-15, 1994.

Damasio H, Grabowski TJ, Frank R, Knosp B, Hichwa RD, Watkins GL, Ponto LLB: PET-Brainvox, a technique for neuroanatomical analysis of positron emission tomography images. Proceedings of the PET 93 Akita: Quantification of Brain Function, Elsevier, Pp 465-473, 1993.

Nahm FKD, Tranel D, Damasio H, Damasio AR: Cross-modal associations and the human amygdala. Neuropsychologia 31:727-744, 1993.

Damasio AR, Tranel D, Damasio H: Similarity of structure and the profile of visual recognition defects: A comment on Gaffan and Heywood. Journal of Cognitive Neuroscience, 5:371-372, 1993.

Anderson SW, Saver J, Tranel D, Damasio H: Acquired agraphia caused by focal brain damage. Acta Psychologica, 82:193-210, 1993.

Eslinger PJ, Damasio H, Damasio AR, Butters N: Nonverbal amnesia and asymmetric cerebral lesions following encephalitis. Brain and Cognition, 21:140-152, 1993.

Damasio H, Frank R: Three-dimensional in vivo mapping of brain lesions in humans. Archives of Neurology, 49:137-143, 1992.

Damasio AR, Damasio H: Brain and Language, Scientific American, 267:89-95, 1992.

Anderson SW, Damasio H, Damasio AR, Klima E, Bellugi U, Brandt JP: Acquisition of signs from American Sign Language in hearing individuals following left hemisphere damage and aphasia. Neuropsychologia, 4:329-340, 1992.

Eslinger PJ, Grattan LM, Damasio H, Damasio AR: Developmental consequences of childhood frontal lobe damage. Archives of Neurology, 49:764-769, 1992.

Damasio H, Kuljis RO, Yuh W, Van Hoesen GW, Ehrhardt J: Magnetic resonance imaging of human intracortical structure in vivo. Cerebral Cortex, 1:374-379, 1991.

Anderson SW, Damasio H, Jones RD, Tranel D: Wisconsin card sorting test performance as a measure of frontal lobe damage. Journal of Clinical and Experimental Neuropsychology, 13:909-922, 1991.

Damasio H and Damasio A: The neural basis of memory, language and behavioral guidance: Advances with the lesion method in humans. Seminars in the Neurosciences, "The Biology of Mind" issue, 2:277-286, 1990.

Damasio AR, Tranel D, Damasio H: Individuals with sociopathic behavior caused by frontal damage fail to respond autonomically to social stimuli. Behavioral Brain Research, 41:81-94, 1990.

Robin DA, Tranel D, Damasio H. Auditory perception of temporal and spectral events in patients with focal left and right cerebral lesions. Brain and Language, 39:539-555, 1990.

Anderson S, Damasio A, Damasio H: Troubled letters but not numbers: domain-specific cognitive impairments following focal damage in frontal cortex. Brain, 113:749-766, 1990.

Graff-Radford NG, Damasio AR, Hyman BT, Hart MN, Tranel D, Damasio H, Van Hoesen GW, Rezai K: Progressive aphasia in a patient with Pick's disease: A neuropsychological, radiologic, and anatomic study. Neurology, 40:620-626, 1990.

Anderson S, Damasio H, and Tranel D: Neuropsychological impairments associated with lesions caused by tumor or stroke. Archives of Neurology, 47:397-405, 1990.

Varney NR, Damasio H, Adler S. The role of the individual difference in determining the nature of comprehension defects in aphasia. Cortex. 25:1 p. 47-55, 1989.

Tranel D and Damasio H: Intact electrodermal skin conductance response in a patient with bilateral amygdala damage. Neuropsychologia, 27:381-390, 1989.

Damasio A and Damasio H: Cognitive neuroscience and the status of aphasiology. Aphasiology 2(3/4): 271-276, 1988.

Tranel D, Damasio AR, and Damasio H: Intact recognition of facial expression, gender, and age in patients with impaired recognition of face identity. Neurology, 38:680-696, 1988.

Graff-Radford NR, Rezai K, Godersky JC, Eslinger P, Damasio H, Kirchner PT. Regional cerebral blood flow in normal pressure hydrocephalus. Journal of Neurology, Neurosurgery and Psychiatry, 50:1589-1596, 1987.

Mehta Z, Newcombe F and Damasio H: A left hemisphere contribution to visuospatial processing. Cortex, 23:447-461, 1987.

Newcombe F, Ratcliff G and Damasio H: Dissociable visual and spatial impairments following right posterior cerebral lesions: clinical, neuropsychological and anatomical evidence. Neuropsychologia, 25(1B):149-161, 1987.

Tranel D, Biller J, Damasio H, Adams HP, & Cornell S: Global aphasia without hemiparesis. Archives of Neurology, 44:304-308, 1987.

Varney N, Damasio H: Locus of lesion in impaired pantomime recognition. Cortex, 23:699-703, 1987.

Damasio A, Bellugi U, Damasio H, Poizner H, Van Gilder, J: Sign language aphasia during left hemisphere Amytal injection. Nature, 322:363-365, 1986.

Damasio A and Damasio H: Hemianopia, hemiachromatopsia and the mechanisms of alexia. Cortex, 22:161-169, 1986.

Varney N, Damasio H: CT scan correlates of sound recognition defect in aphasia. Cortex, 22:483-486, 1986.

Graff-Radford N, Damasio H, Yamada T, Eslinger P, Damasio A: Non-hemorrhagic thalamic infarction: clinical, neurophysiological and electrophysiological findings in four anatomical groups defined by computerized tomography. Brain, 108:485-516, 1985.

Kimura J, Wilkinson T, Damasio H, Adams H, Shivapour E, Yamada T: Blink reflex in patients with hemispheric cerebrovascular accident. Journal of Neurological Sciences, 67:15-28, 1985.

Damasio A, Eslinger P, Damasio H, Van Hoesen GW, Cornell S: Multimodal amnesic syndrome following bilateral temporal and frontal forebrain damage. Archives of Neurology, 42:252-259, 1985.

Damasio A, Graff-Radford N, Eslinger P, Damasio H, Kassell N: Amnesia following basal forebrain lesions. Archives of Neurology, 42:263-271, 1985.

Graff-Radford N, Schelper RL, Illinsky I, Damasio H: Computed tomography and post mortem study of a nonhemorrhagic thalamic infarction. Archives of Neurology, 42:761-763, 1985.

Sargent J, Solbach P, Damasio H, Baumel B, Corbett J, Jessen B, Kudrow N, Medina J. A comparison of naproxen sodium to propranolol hydrochloride and a placebo control for the prophylaxis of migraine headache. *Headache*. 25:6 320-324, 1985.

Damasio H: Drug management of vascular headaches Part II: Preventive treatment. *Journal of Iowa Medical Society*, December, 1984; also in Drug Letter University of Iowa Hospitals and Clinics, August 1984.

Damasio H: Drug management of vascular headaches Part I: Treatment of the acute attack. *Journal of Iowa Medical Society*, November, pg. 490-492, 1984; also in Drug Letter University of Iowa Hospitals and Clinics, July, 1984.

Eslinger P, Damasio H, Graff-Radford N, Damasio A: Examining the relationship between computerized tomography and neuropsychologic measures in normal and demented elderly. *Journal of Neurology, Neurosurgery and Psychiatry*, 47:1319-1325, 1984.

Damasio H, Eslinger P and Adams HP: Aphasia following basal ganglia lesions: New evidence. *Seminars in Neurology*, 4(2):151-161, 1984.

Damasio A, Damasio H: The anatomic basis of pure alexia. *Neurology*, 33:1573-1583, 1983.

Adams H, Damasio H, Putman S, Damasio A: Middle cerebral artery occlusion as a cause of isolated subcortical infarction. *Stroke*, 14:948-952, 1983.

Damasio H, Eslinger P, Damasio A, Rizzo M, Huang H, Demeter S: Quantitative computed tomographic analysis in the diagnosis of dementia. *Archives of Neurology*, 40:715-719, 1983.

Damasio A, Graff-Radford N, Damasio H: Transient partial amnesia. *Neurology*, 40:656-657, 1983.

Damasio H: A computed tomographic guide to the identification of cerebral vascular territories. *Archives of Neurology*, 40:138-142, 1983.

Damasio A, Damasio H, Van Hoesen GW: Prosopagnosia: Anatomic basis and behavioral mechanisms. *Neurology*, 32:331-341, 1982.

Damasio A, Damasio H, Rizzo M, Varney N, Gersh F: Aphasia with nonhemorrhagic lesions in the basal ganglia and internal capsule. *Archives of Neurology*, 39:15-20, 1982.

Nasrallah H, Rizzo M, Damasio H, McCalley-Whitters M, Kuperman S, and Jacoby C: Neurological differences between paranoid and nonparanoid schizophrenia: Part II. Computerized tomographic findings. *Journal of Clinical Psychiatry*, 42:307-309, 1982.

Damasio H, Corbett JJ: Estrogens and migraine. *Annals of Neurology*, 9:92, 1981.

Damasio H: The neurological complications of the pill. *Resident and Staff Physician*, 26:30-34, 1980 (invited article).

Damasio H, Lyon L: Lithium carbonate in the treatment of cluster headaches. *Journal of Neurology*, 224:1-8, 1980.

Damasio A, Yamada T, Damasio H & McKee J: Central achromatopsia: behavioral, anatomic, and physiologic aspects. Neurology, 30:1064-1071, 1980.

Damasio H, Damasio A, Castro-Caldas A and Hamsher K: Reversal of ear advantage for phonetically similar words in illiterates. Journal of Clinical Neuropsychology, 1:331-338, 1980.

Damasio H and Damasio A: Dichotic listening pattern in conduction aphasia. Brain and Language, 10:281-286, 1980.

Damasio H, Maurer R, Damasio A and Chui H: Computerized tomographic scan findings in patients with autistic behavior. Archives of Neurology, 37:504-510, 1980.

Damasio AR, Damasio H and Chui H: Neglect following damage to frontal lobe or basal ganglia. Neuropsychologia, 18:123-132, 1980.

Damasio H and Damasio AR: The anatomical basis of conduction aphasia. Brain, 103:337-350, 1980.

Damasio AR, McKee J, Damasio H: Determinants of performance in color anomia. Brain and Language, 7:74-85, 1979.

Damasio H and Damasio AR: "Paradoxical" ear extinction in dichotic listening: possible anatomic significance. Neurology, 29:644-653, 1979.

Damasio H: Success or failure of dipyridamole in migraine. Lancet, II:478-479, 1978.

Damasio H: Migraine, thrombocytopenia and serotonin metabolism. Lancet II:512-513, 1977.

Damasio H and Beck D: Migraine, thrombocytopenia and serotonin metabolism. Lancet, I: 240-242, 1978.

Damasio H, Antunes JL, Damasio AR: Familial nonprogressive involuntary movements of childhood. Annals of Neurology, 1(6)602-603, 1977.

Damasio H, Damasio AR, Grosso JT, Ferro JM and Castro-Caldas A: Dichotic listening pattern in relation to hemispheric disconnection. Neuropsychologia, 14:247-250, 1976.

Damasio AR, Damasio H, Castro-Caldas A, Grosso JT, Calfau ES, Ferro JM, Antunes NL: Para uma semiologia cerebral nao-invasiva. Jornal da Sociedade das Ciencias Medicas, CXXXXIX, October-November, 8-9:1-49, 1975.

Damasio H, Gomes RS, Silva JP, Damasio A and Antunes JL: Multiple cerebral aneurysms and cardiac myxoma. Archives of Neurology, 32:269-270, 1975.

Damasio AR, Lima PA and Damasio H: Nervous function after right hemispherectomy. Neurology, 25:89-93, 1975.

Damasio AR, Damasio H, Ferro JM and Castro-Caldas A: Recovery from hemianopia in man: Evidence for collicular vision? Lancet, 2:110, 1974.

Damasio AR and Damasio H: Sindromes psiquiatricos sintomaticos de hipotiroidismo. Journal do Medico, 73:515, 1970.

Selected Chapters

Damasio, A., Damasio, H. (to appear). William James and the Emotions: Then and Now. In: A. Klein (Ed.), Oxford Handbook of William James.

Damasio, A., Damasio, H. (to appear). Exploring the Concept of Homeostasis and Considering Its Application to Economics. In: D. Snower (Ed.), Journal of Economic Behavior and Organization.

Damasio A., Damasio H. A World in His Hands. Chapter in Catalogue of Works of Julião Sarmiento, 2012

Damasio A, Damasio H, Educating the Whole Child for the Whole World: Essays in Honor of Courtney Sale Ross, Chapter 5: Mind, Brain and Education, Marcelo M. Suárez-Orozco and Carolyn Sattin-Bajaj(eds) New York University Press pp 61-69, 2010

Damasio H, Damasio A: Social Conduct, Neurobiology, and Education, page 104 - 117. In: Learning in the Global Era, Marcelo M. Suarez-Orozco (Editor) University of California Press, 2007

Damasio, H: Neural Basis of Language Disorder, page 18 - 36, in Language Intervention Strategies in Aphasia, Roberta Chapey (Editor) Lippincott, Williams and Wilkins, 2007

Damasio H: Disorders of social conduct following damage to prefrontal cortices. In: Neurobiology of Human Values, JP Changeux, A Damasio, W Singer, Y Christen (eds.), Springer Verlag, 2005.

Bechara A, Damasio H, Damasio A: The role of the amygdala in decision-making In The Amygdala in Brain Function: Basic and Clinical Approaches, P. Shinnick-Gallagher, et al. (Eds.), Annals of the New York Academy of Science, 985:356-369, 2003.

Tranel D, Grabowski TJ, Damasio H: Behavioral neurology. In Atlas of Clinical Neurology, Second Edition, R.N. Rosenberg (Editor-in-Chief), Butterworth-Heinemann/Current Medicine, Inc., Philadelphia, 2003.

Damasio AR, Adolphs R, Damasio H: "Contribution of the Lesion Method to the Functional Neuroanatomy of Emotion." In: Handbook of Affective Science, R.J. Davidson, H. H. Goldsmith and K. Scherer (eds), Oxford University Press, New York, pp 66-92, 2002.

Damasio H: Impairment of interpersonal social behavior caused by acquired brain damage. In: Altruism and Altruistic Love: Science, Philosophy, and Religion in Dialogue. S.G. Post, L. Underwood, J. Schloss, W. Hurlbut (eds.), Oxford University Press, New York, pp 272-283, 2002.

Damasio H: Neuroanatomical correlates of the aphasias. In: Acquired Aphasia, M. Sarno (ed.), Academic Press, New York, 2001.

Damasio H: Words and concepts in the brain. In: The Foundations of Cognitive Science, J. Branquinho (ed.), Clarendon Press, Oxford, pp 109-120, 2001.

Damasio AR, Adolphs R, Damasio H: Contribution of the Lesion Method to the Functional Neuroanatomy of Emotion. In: Handbook of Affective Science, RJ Davidson, HH Goldsmith, K Scherer (eds.), Oxford University Press, NY, 2001.

Damasio, H: The lesion method in cognitive neuroscience. In: Handbook of Neuropsychology, 2nd edition, F. Boller, J. Grafman, G. Rizzolatti (eds.), New York, Elsevier, pp 77-102, 2000.

Damasio, H: The neural basis of language disorders. In: Language Intervention Strategies in Adult Aphasia, Fourth Edition, R. Chapey (ed.), Philadelphia, Williams & Wilkins/Lippincott, pp 18-36, 2000.

Damasio A, Damasio H: Aphasia and the Neural Basis of Language. In: Principles of Behavioral and Cognitive Neurology, M.M. Mesulam (ed.), New York: Oxford University Press, pp 294-315, 2000.

Tranel D, Damasio AR, Damasio H: Amnesia caused by herpes simplex encephalitis, infarctions in basal forebrain, and anoxia/ischemia. In Handbook of Neuropsychology, 2nd Edition, F Boller and J Grafman (eds.), Amsterdam, Elsevier Science, pp 85-220, 2000.

Howard MA, Volkov IO, Mirsky R, Abbas P, Damasio H, Steinschneider M, Reale RA, Hind JE, Brugge JF: Electrical recording from the human auditory cerebral cortex. In: Central Auditory Processing and Neural Modeling, PWF Poon and JF Brugge (eds.), New York, Plenum, 2000.

Tranel D, Grabowski TF, Damasio H: Behavioral neurology. In: Atlas of Clinical Neurology. Rosenberg RN (ed.). Butterworth-Heinemann/Current Medicine, Philadelphia, pp 7.1-7.25, 1998.

Tranel D, Damasio H, Damasio AR: The neural basis of lexical retrieval. In Fundamentals of Neural Network Modeling: Neuropsychology and cognitive Neuroscience. Goodglass H, Wingfield A (eds.). MIT Press, 1998.

Damasio H, Damasio AR: The lesion method in behavioral neurology. In: Behavioral Neurology and Neuropsychology. T. Feinberg & M. Farah (eds.), McGraw Hill, pp 69-82, 1997.

Tranel D, Damasio H, Damasio AR: On the neurology of naming. In Anomia: neuroanatomical and cognitive correlates. H. Goodglass & A. Wingfield (eds.), pp 65-90, Academic Press, 1997.

Damasio AR, & Damasio H: Language and the Alzheimer Brain. In Connections, Cognition, and Alzheimer's Disease. B.T. Hyman, C. Duyckaerts, Y. Christen (eds.), Springer-Verlag, Heidelberg, pp 181-189, 1997.

Damasio AR, & Damasio H: Images and subjectivity. In: The Churchlands and Their Critics. Blackwell Publishers, Oxford, 1996.

Damasio H: Human neuroanatomy relevant to decision-making. In: Neurobiology of Decision-Making. A. Damasio, H. Damasio, Y. Christen, (eds.), Springer Verlag, New York, 1996.

Adolphs R, Tranel D, Bechara A, Damasio H, Damasio AR: Neuropsychological approaches to reasoning and decision-making. In: Neurobiology of Decision-Making. A. Damasio, H. Damasio, Y. Christen, (eds.), Springer Verlag, New York, 1996.

Damasio AR, Damasio H: Cortical systems for retrieval of concrete knowledge: the convergence zone framework. In: *Large-Scale Neuronal Theories of the Brain*, C. Koch (Ed.), MIT Press, Cambridge, MA, 1994, pp. 61-74.

Damasio AR, Damasio H: Cortical systems underlying knowledge retrieval: Evidence from human lesion studies. *Exploring Brain Functions: Models in Neuroscience*. Wiley & Sons, New York, pp 233-248, 1993

Damasio AR, Tranel D, Damasio H: Update on memory disorders. In P. Andersen, O Hvalby, O Paulsen & B Hokfelt (eds.), *Memory Concepts-1993*. Amsterdam: Elsevier, pp 379-380, 1993.

Damasio H, Damasio AR: Memory, language and decision-making: Contributions from the lesion method in humans. In: *Neurophilosophy and Alzheimer's Disease*, Christen et al. (Eds.), Springer-Verlag, Berlin Heidelberg, pp 108-122, 1992.

Damasio H: Neuroanatomy of frontal lobe in vivo: A comment on methodology. In: *Frontal Lobe Function and Injury*, Levin H, Eisenberg H, & Benton A (eds), Oxford University Press, New York, pp 92-121, 1991.

Damasio AR, Tranel D, Damasio H: Somatic markers and the guidance of behavior: Theory and preliminary testing. In: *Frontal Lobe Function and Injury*, Levin HS, Eisenberg H, & Benton A (eds.) Oxford University Press, New York, pp 217-229, 1991.

Damasio H: Neuroanatomical correlates of the aphasias. In: *Acquired Aphasia*, M. Sarno (ed.), pp 45-71, Academic Press, New York, 1991.

Damasio AR, Damasio H, Tranel D, Brandt JP: Neural regionalization of knowledge access: Preliminary evidence. *Symposia on Quantitative Biology*, Vol. 55, pp 1039-1047. Cold Spring Harbor Laboratory Press, New York, 1990.

Damasio A, Damasio H, Tranel D: Impairments of visual recognition as clues to the processes of memory, in *Signal & Sense: Local & Global Order in Perceptual Maps*, Edelman & Gall (Eds.), pp 451-473. Neuroscience Institute Monograph, Wiley & Sons, New York, 1990.

Damasio AR, Tranel D, Damasio H: Face agnosia and the neural substrates of memory. *Annual Review of Neuroscience*, 13:89-109, 1990.

Damasio H: Neuroimaging contributions to the understanding of aphasia, in *Handbook of Neuropsychology*, Vol.2, F Boller and J Grafman (Eds.), pp 3-46, Elsevier, Amsterdam, 1989.

Damasio AR, Tranel D, & Damasio H: Amnesia caused by herpes simplex encephalitis, infarctions in basal forebrain, Alzheimer's disease, and anoxia. In: *Handbook of Neuropsychology*, Vol. 3. pp 149-166, L. Squire (Ed.), Elsevier, Amsterdam, 1989.

Damasio AR, Tranel D, & Damasio H: Disorders of visual recognition. In: *Handbook of Neuropsychology*, Vol. 2, F Boller and J Grafman (Eds.), pp 317-332, Elsevier, Amsterdam, 1989.

Damasio H, Tranel D, Spradling J, Alliger R: Aphasia in men and women, in *From Neurons to Reading*, A Galaburda (Ed.), pp 307-330, MIT Press: Cambridge, MA, 1989.

Hyman BT, Damasio H, Damasio AR, & Van Hoesen GW: Alzheimer's Disease, Annual Review of Public Health, 10: 115-140, 1989.

Eslinger P and Damasio H: Anatomical correlates of paradoxical ear extinction, in: Handbook of Dichotic Listening: Theory, Methods and Research, Ed. K. Hugdahl, John Wiley & Sons, New York, 1988.

Damasio AR, Damasio H: Advances in the neuroanatomical correlates of aphasia and the understanding of the neural substrates of language, in Language, Speech and Mind, Hyman LM and Li CN (eds.), Routledge, NY, 1988.

Damasio H: Vascular territories defined by computed tomography, in: Cerebral Blood Flow: Physiologic and Clinical Aspects, Ed. J. H. Wood, McGraw-Hill Medical Book Co., 1987.

Digre K, Damasio H: Menstrual migraine: differential diagnosis, evaluation and treatment, in The Premenstrual Syndrome, (Clinical Obstetrics and Gynecology), Ed. S. Johnson, J. P. Lippincott, 1987.

Damasio A, Damasio H: The anatomical substrate of prosopagnosia. Chapter for The Neuropsychology of Face Perception and Facial Expression. Edited by Raymond Bruyer, Lawrence Erlbaum Associates, London, 1986.

Damasio AR, Damasio H, and Tranel D. Prosopagnosia: anatomic and physiologic aspects, in: Aspects of Face Processing, H. Ellis, M. Jeeves, F. Newcombe, and A. Young (eds.). NATO ASI Series, Nijhoff Publishers, Boston, MA, 1986.

Damasio H, Damasio A: Localization of lesions in conduction aphasia, in: Localization in Neuropsychology, Ed. Andrew Kertesz, Academic Press, 1983 pp. 231-243.

Damasio A, Damasio H: Localization of lesions in achromatopsia and prosopagnosia, in: Localization in Neuropsychology, Andrew Kertesz (ed.), Academic Press, 1983 pp. 417-428.

Damasio H: Cerebral localization of the aphasias, in: Acquired Aphasia, Martha Taylor Sarno (ed.), Academic Press, 1981, pp. 27-65.

Damasio AR and Damasio R: Studies in dichotic listening: contributions to neurophysiology. In: Physiological Aspects of Clinical Neurology, F. Clifford Rose (ed.), Blackwell Medical Publishers, London and New York, 1977.

Damasio AR and Damasio H: Musical faculty and cerebral dominance. In: Music and the Brain, MacDonald Critchley and Ronald Henson (eds.), Heinemann, London, 1977.

SELECTED LECTURES

Organization of Human Brain Mapping (OHBM) 2014 Annual Meeting Keynote Lecture, "Visualizing Human Brain Anatomy," Hamburg, Germany 2014

Keynote address upon receipt of Doctor Honoris Causa, Open University of Catalonia, Barcelona, 2012

University of Iowa, "Some Advances in the Understanding of Brain and Language", Opening Lecture, Brain Awareness Week, 2004.

College de France, "Brain and Language", 2003.

Scuola Normale Superiore, Pisa, Italy, 2002, Language.

Address on the occasion of receiving a PhD degree Honoris Causa, from the University of Lisbon, 2001.

The Neural Basis of Language Disorders, Keynote address, Symposium on Brain Damage Rehabilitation, University of Porto, 2000.

Harvard Medical School, Neurology of Behavior Course, "Neuroimaging in the Study of Cognitive Disorders", 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000.

Egas Moniz Symposium, "The Comparative Neuroanatomy of the Frontal Lobe in the Great Apes", European Federation of Neurological Societies, Lisbon, 1999.
The Neural Correlates of Abnormal Social Behavior, Templeton Foundation Symposium at MIT, 1999.

Bial Fundaion, "The Construction of the Self", Porto, 1998.

University of Lisbon, "The Neuroscience of Language", Lisbon, 1998.

Address on behalf of the Biological Sciences Class, Induction ceremony, American Academy of Arts and Sciences, Cambridge, MA, 1997.

Institute for Advanced Studies, Stanford University, "Recent Advances on Neuroimaging", Stanford, CA, June, 1995.

Karolinska Institutet Seminar, "Memory, Language and the Human Brain", Stockholm, Sweden, May, 1995.

Northwestern University, Neurology of Behavior and Cognition Course, "Neuroimaging Techniques in Behavioral Neurology", Northwestern University, December, 1994.

American Speech and Hearing Association, Keynote address, "Neuroimaging Contributions to Aphasia", New Orleans, November, 1994,

Co-organizer of the Fondation Ipsen Colloquium on the Neurobiology of Decision-Making, "Neuroanatomy of Structures Relevant to Decisions-Making", Paris, October, 1994.

International Neuropsychological Symposium, "Brain Systems for Language", France, June, 1993.

Columbia University, The Rita Rudel Lecture, "Memory, Language and the Human Brain", New York, March, 1993.

Oxford University, "New Methodologies for Brain Damage Mapping in Humans", Oxford, England, September 1990.

American Academy of Neurology's Annual Meeting "Music and the Brain", Miami Beach, Florida, April, 1990.

Frontal Lobe Conference, "Neuroimaging of Frontal Lobe Anatomy: Methodological Issues", Galveston, Texas, November, 1989.

Seminar of Neuropsychological Testing in Aphasia, "Neuroimaging in the Study of Aphasia", Academy of Neurology meeting, Cincinnati, Ohio, April 1988.

University of California - Davis, "Neuroimaging Correlates of Higher Brain Dysfunction", October, 1987.

"Functional Brain Asymmetries & Gender", in "From Neurons to Reading", an international conference organized by Harvard Medical School, Florence, June, 1987.

"Neuroanatomy of the Frontal Lobe", American Academy of Neurology, April, 1986.

"New Technology in the Study of Aphasia", 6th AMEDD Neurology Conference, Letterman Medical Center, San Francisco, November 14-16, 1985.

"Conduction Aphasia", Guest Lecture in the Behavioral Neurology Course, Academy of Neurology, Dallas, April, 1985.

"Neuroimaging in Brain and Language Research", Keynote address, Sloan Foundation Conference on Language and the Brain, Paris, March, 1985.

"Cerebral Asymmetries Assessed with Neuroimaging Methods", Guest lecture, Behavioral Neurology Course, American Academy of Neurology, Boston, April, 1984.

"Anatomy of Basal Ganglia", Guest lecture to the 28th International Neuropsychological Symposium, Greece, June 20, 1983.

"Aphasia Following Lesions of the Basal Ganglia: Nature of Lesion and Neuroanatomical Substrate", The Neuroscience Group, Oxford University, Radcliffe Infirmary, England, September, 1982.

The Julie McGee Lamberth Lecture, "Aphasia", Dallas, 1981.