

CURRICULUM VITAE (12-2019)

NAME: **Jordan Grafman, Ph.D.**

CURRENT WORK ADDRESS: Director, Brain Injury Research
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<https://www.sralab.org/labs/cognitive-neuroscience-laboratory>

PLACE OF BIRTH: Chicago, Illinois

CITIZENSHIP: United States

EDUCATION:

1974	B.A. (with honors), Sonoma State University, Rohnert Park, California, in Psychology.
1981	Ph.D., University of Wisconsin, Madison, Wisconsin, in Human Neuropsychology (special committee degree).

EMPLOYMENT:

1981-1986	Director, Neuropsychological Research Section, Vietnam Head Injury Study, Walter Reed Army Medical Center, Washington, D.C., Captain, United States Air Force Biomedical Sciences Command.
1986-1988	Senior Staff Fellow, Clinical Neuropsychology Section, NINCDS, Bethesda, Maryland.

- 1989-2010 Chief, Cognitive Neuroscience Section, NINDS, Bethesda, Maryland.
- 2011-2012 Director, Traumatic Brain Injury Research Laboratory, Kessler Foundation, West Orange, NJ
- 2012- Director, Brain Injury Research
Chief, Cognitive Neuroscience Laboratory
Rehabilitation Institute of Chicago, Chicago, Illinois**
- Professor, Physical Medicine and Rehabilitation, Psychiatry and Behavioral Sciences, & Cognitive Neurology/Alzheimer's Disease Research Center Departments in the Northwestern University School of Medicine and Department of Psychology, Northwestern University**

HONORS AND AWARDS

- N.I.M.H. Summer Traineeship, University of California-Irvine: Summer Training Institute on Psychobiology and Mental Illness (1978).
- University of Wisconsin-Madison Graduate School Travel Fellowship, Dissertation Research (1980).
- Defense Meritorious Service Medal, U.S. Air Force (1986).
- Elected Fellow, Division 40 (Clinical Neuropsychology), American Psychological Association (1992)
- National Institutes of Health Award of Merit (1992)
- Alumnus of the Year Award (1996), Sonoma State University, Rohnert Park, California.
- National Institutes of Health Director's Award (2010)

Research Award of the Alexander von Humboldt Foundation
(2012-2013)

Coleman Chair in Rehabilitative Medicine (2013 - 2016)

PROFESSIONAL SOCIETY MEMBERSHIP

American Psychological Society

Dana Alliance for Brain Initiatives

New York Academy of Sciences (Fellow)

Society for Neuroscience

RESEARCH INTERESTS

Frontal Lobes and Behavior

Cognitive Neuroplasticity

PRIMARY AFFILIATIONS

Director, Brain Injury Research
Shirley Ryan AbilityLab (formally known as the Rehabilitation
Institute of Chicago)

Professor, Department of Physical Medicine and Rehabilitation
Northwestern University Medical School

Other Affiliations

Hines VA Hospital Research Associate, Hines, Illinois

CURRENT EDITORIAL BOARD MEMBER

Cortex (co-editor-in-Chief)
Frontiers in Neurotrauma (Associate Editor)

AD HOC REVIEWER FOR THE FOLLOWING JOURNALS

Cognitive Neuropsychology
Brain
Science
Nature
Nature Reviews – Neuroscience
Nature Neuroscience
Neuron
Neurology
Journal of Neuroscience
Neuropsychologia
Journal of Gerontology
Journal of Consulting and Clinical Psychology
Cortex
Journal of Cognitive Neuroscience
Stroke
Journal of Neurophysiology
Psychological Review
Psychological Bulletin
Memory and Cognition
Journal of Psychiatric Research
Biological Psychiatry
Behavioral and Brain Sciences
Psychological Science
Cerebral Cortex
Neuroscience Letters
Alzheimer's Disease and Associated Disorders
Annals of Neurology
European Journal of Cognitive Psychology
Neurocase
Trends in Cognitive Science
Trends in Neuroscience
Proceedings of the US National Academy of Sciences
Psychonomic Bulletin and Review
New England Journal of Medicine

AD-HOC GRANT REVIEWER FOR THE FOLLOWING AGENCIES

National Science Foundation
National Science Foundation: Advisory Panel for Cognitive Neuroscience (2008-)

National Institute of Mental Health
National Institute on Alcohol Abuse and Alcoholism
National Institute of Aging
National Institute of Neurological Disorders and Stroke
Veteran's Administration
Department of Education
Medical Research Council – Canada
Medical Research Council – United Kingdom
Wellcome Foundation - United Kingdom
International Human Frontiers Science Program
Templeton Foundation

MEETING ORGANIZER

Co-organizer (with Drs. Harvey Levin and Howard Eisenberg) of a workshop: "Neurobehavioral Recovery from Head Injury" held at the University of Texas Medical Center-Galveston in May, 1985 (Sponsored by the NINDS).

Chairperson: Baltimore-Washington Area Neuropsychology Group (1981-1985) Founded group (with Dr. Jason Brandt).

Local Arrangement Committee Chairperson: International Neuropsychological Society Meeting, Washington, D.C., February, 1987.

Co-organizer (with Dr. Sarah Broman) of a workshop: Syndromic Profiles of Developmental Neurocognitive Deficit: Implications for Brain Function, Bethesda, Maryland, 1991 (sponsored by the NINDS).

Co-organizer (with Drs. Francois Boller & Keith Holyoak) of a workshop: Competing Theories of Prefrontal Lobe Functions, New York City, March, 1995 (sponsored by the New York Academy of Sciences, NINDS, NIA, and UpJohn Company).

Co-organizer (with Dr. Harvey Levin) of a workshop on Neuroplasticity and Reorganization of Function after Brain Injury, Bethesda, Maryland, December, 1996 (sponsored by the NIH).

Co-organizer (with Dr. Yves Christen) of a workshop on Neuroplasticity: Building a Bridge from the Laboratory to the Clinic, Paris, France, October, 1997 (sponsored by the Fondation IPSSEN).

COURSES TAUGHT

Cognitive and Behavioral Sequelae of Severe Head Injury. Participant in Course on Recent Advances in Head Injury, American Academy of Neurology Meeting, 1985-1989.

Neuropsychological Methods in Rehabilitation. School of Continuing Studies, Johns Hopkins University, 1985.

Human Neuropsychology. FAES Graduate School, NIH, 1990-1999.

Behavioral Neurology Course Lecturer
American Academy of Neurology Annual Meeting, 1996-1997.

ADVISORY COMMITTEE MEMBER

Longitudinal Study on the Effects of Boxing on Neurological and Neurobehavioral Status, School of Public Health, Johns Hopkins University School of Medicine, 1986-1994.

James S. McDonnell Foundation - Program for Collaborative Pilot Projects in Cognitive Rehabilitation Research. St. Louis, Mo, 1998-2000.

The Association for Frontotemporal Dementias – Medical Advisory Council Member. Philadelphia, PA, 2003 – 2008.

DoD Brain Injury Computational Modeling Expert Panel. Ft. Detrick, Maryland, 2010.

DoD National Intrepid Center of Excellence Neuroimaging Steering Committee. Bethesda, Maryland, 2010.

IDOR, Rio de Janeiro, Brazil, Advisory Board Member, 2011-current.

VISITING SCIENTIST

Medical Research Council, Applied Psychology Unit (host: Professor Tim Shallice), Cambridge, England, September-November, 1985.

EXTERNAL FUNDING

Co-principal Investigator on Contract No. IGA-V101 (9) M-79031-2 funded by the Veteran's Administration, "Anatomical and Functional Sequelae of Head Injuries: A proposal for the Completion of a Study of Head Injury Incurred in Vietnam", 1981-1988.

Principal Investigator on Contract# 2093 funded by the Department of Defense Medical Research Program – “Vietnam Head Injury Study Phase III: A 30-Year Post-Injury Follow-up Study” 2001-2006.

NIH Activities

NIAAA IRB member from 2004-2007.

NIMH Promotion Committee Member from 2007-2010.

H-Index (2018) = 115 (Google Scholar)

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BIBLIOGRAPHY

PEER-REVIEWED ARTICLES

1978 (1)

- Fernando, C.K., Middaugh, S., Basmajian, J.V., Jankel, W.R., Silverstein, L., Waring, W., Grafman, J. and Presty, F.P. Task Force Report on Physical Medicine and Rehabilitation. Biofeedback and Self-Regulation. December, 1978.

1980 (1)

- Timming, R., Cayner, J., Grady, S., Grafman, J., Haskins, R., Malec, J., and Thompson, C. Multidisciplinary Rehabilitation in Severe Head Trauma. Wisconsin State Medical Journal, 79: 49-52, 1980.

1982 (1)

- Grafman, J., Passafiume, D., Faglioni, P. and Boller, F. Calculation Disturbances in Adults with Focal Hemispheric Damage. Cortex, 18: 37-50, 1982.

1983 (3)

- Weingartner, H., Grafman, J., Boutelle, W., Kaye, W., & Martin, P. Forms of Memory Failure. Science, 221: 380-382, 1983.
- Harley, J.P. and Grafman, J. Finger-tip Number Writing Errors in Hospitalized Non-neurological Patients. Perceptual and Motor Skills, 56: 551-554, 1983.
- Boller, F. and Grafman, J. Acalculia: Historical development and current significance. Brain and Cognition, 2: 205-223, 1983.

1985 (3)

- Grafman, J., Smutok, M., Sweeney, J., Vance, S.C., Salazar, A.M. and Weingartner, H. The Effects of Left Hand Preference on Post-injury Measures of Distal Motor Ability. Perceptual and Motor Skills, 61: 615-624, 1985.
- Salazar, A.M., Jabbari, B., Vance, S., Grafman, J., Amin, D. and Dillon, J.D. Epilepsy after Penetrating Head Injury. I. Clinical Correlates: A Report of the Vietnam Head Injury Study. Neurology, 35: (10), 1406-1414, 1985.
- Grafman, J., Salazar, A.M., Weingartner, H., Vance, S.C. and Ludlow, C. Isolated Impairment of Memory Following a Penetrating Lesion of the Fornix. Archives of Neurology, 42: 1162-1168, 1985.

1986 (6)

- Grafman, J., Salazar, A.M., Weingartner, H., Vance, S.C. and Amin, D. The Relationship of Volume Loss and Lesion Location to Cognitive Deficit. Journal of Neuroscience, 6: 301-307, 1986.
- Grafman, J., Salazar, A.M., Weingartner H. and Amin, D. Face Memory and Discrimination: A Preliminary Analysis of the Persistent Effects of Penetrating Brain Wounds. The International Journal of Neuroscience, 29: (1-2), 125-139, 1986.
- Weiss, G.H., Salazar, A.M., Vance, S.C., Grafman, J. and Jabbari, B. Predicting Post-traumatic Epilepsy in Penetrating Head Injury. Archives of Neurology, 43: 771-773, 1986.
- Salazar, A.M., Grafman, J., Schlesselman, S., Vance, S.C., Carpenter, M., Pevsner, P., Ludlow, C., Weingartner, H., and Mohr, J.P. Penetrating War Injuries to Basal Forebrain: Neurologic and Cognitive Correlates. Neurology, 36: (4), 459-465, 1986.
- Salazar, A.M., Grafman, J., Vance, S.C., Weingartner, H., Dillon, J.D., and Ludlow, C., Consciousness and Amnesia Following Penetrating Head Injury. Neurology, 36: 178-187, 1986.

- Grafman, J., Vance, S.C., Weingartner, H., Salazar, A.M., and Amin, D. The Effects of Lateralized Frontal Lesions Upon Mood Regulation. Brain, 109: 1127-1148, 1986.

1987 (3)

- Litvan, I., Grafman, J., Vendrell, P. and Martinez, J.M. Slowed information processing in multiple sclerosis, Archives of Neurology, 45: 281-285. 1987.
- Ludlow, C.L., Rosenberg, J., Salazar, A., Grafman, J. and Smutok, M. Site of Penetrating Brain Lesions Causing Chronic Acquired Stuttering. Annals of Neurology, 22: 60-66, 1987.
- Yarchoan, R., Brouwers, P., Spitzer, A.R., Grafman, J., Safai, B. Perno, C.F., Larson, S.F., Broder, S., Berg, G., Fischl, M.A., Wichman, A., Thomas, R.V., Brunetti, A., Schmidt, P.J. and Myers, C.E. Response of Human Immunodeficiency-Virus-Associated Neurological Disease to 3'-Azido-3'-Deoxythymidine. The Lancet, pp. 132-135, 1987.

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- Yarchoan, R., Thomas, R.V., Grafman, J., Wichman, A., Dalakas, M., McAtee, N., Berg, G., Fischl, M., Perno, C.F., Klecker, R.W., Buchbinder, A., Tay, S., Larson, S.M., Myers, C.E., and Broder, S. Response of Aids-Related Neurological Disease to 3'-Azido-2', 3'-Dideoxythymidine: A 6-Month Follow-Up. Annals of Neurology, Supplement to Volume 23, S82-S87, 1988.
- Grafman, J., Jonas, B.S., Martin, A., Salazar, A.M., Weingartner, H., Ludlow, C., Smutok, M.A., and Vance, S.C. Intellectual Function Following Penetrating Head Injury in Vietnam Veterans. Brain, 111: 169-184, 1988.
- Litvan, I., Grafman, J., Damasio, H., Vendrell, P. and Martinez, J.M. Multiple memory deficits in multiple sclerosis patients: Exploring the working memory system. Archives of Neurology, 45, 607-610, 1988.
- Smutok, M.A., Grafman, J., Salazar, A.M., Sweeney, J.K. and DiRocco, P.J. The effects of unilateral brain damage on contralateral and

ipsilateral upper extremity function in hemiplegia, Physical Therapy, **69**: 195-203, 1988.

1989 (6)

- Grafman, J., Kampen, D., Rosenberg, J., Salazar, A.M. and Boller, F. The progressive breakdown of number processing and calculation ability: A case study. Cortex, 1989.
- Devinsky, O., Putnam, F., Grafman, J., Bromfield, E. and Theodore, W.H. Dissociative states and epilepsy, Neurology, **39**: 835-840, 1989.
- Litvan, I., Grafman, J., Gomez, C., and Chase, T.N. Memory Impairment in Patients with Progressive Supranuclear Palsy, Archives of Neurology, **46**: 765-767, 1989.
- Sunderland, T., Hill, J.A., Mellow, A.M., Lawlor, B.A., Gundersheimer, B.A., Newhouse, P.A. and Grafman, J. Clock drawing in Alzheimer's disease: A novel measure of dementia severity, Journal of the American Geriatric Society, **37**: 725-729, 1989.
- Grafman, J., and Boller, F. A Comment on Luria's Investigation of Calculation Disorders. Journal of Neurolinguistics, **4**: 123-135, 1989.
- Grafman, J., Kampen, D., Rosenberg, J., Salazar, A., Boller, F. Calculation Abilities in a Patient with a Virtual Left Hemispherectomy, Behavioural Neurology, **2**, 183-194, 1989.

1990 (6)

- Grafman, J., Litvan, I., Gomez, C., and Chase, T. Frontal Lobe Function in Progressive Supranuclear Palsy, Archives of Neurology, **47**, 553-558, 1990.
- Grafman, J. Cognitive and Behavioral Consequences of Head Injury. New Issues in Neuroscience, **2** (2), 221-231, 1990.
- Grafman, J., Weingartner, H., Newhouse, P., Sunderland, T., Thompsen-Putnam, K., Lalonde, F., and Litvan, I. Implicit Learning in

Patients with Alzheimer's Disease, Pharmacopsychiatry, 23, 94-101, 1990.

- Grafman, J., Weingartner, H., Lawlor, B., Mellow, A.M., Thompsen-Putnam, K., and Sunderland, T. Automatic Memory Processes in Patients with Dementia-Alzheimer's Type (DAT), Cortex, 26, 361-372, 1990.
- Molchan, S., Martinez, R.A., Lawlor, B.A., Grafman, J.H., and Sunderland, T. Reflections of the Self: Atypical Misidentification and Delusional Syndromes in Two Patients With Alzheimer's Disease, British Journal of Psychiatry, 157, 605-608, 1990.
- Grafman, J., Jonas, B., and Salazar, A. Wisconsin Card Sorting Test Performance Based on Location and Size of Neuroanatomical Lesion in Vietnam Veterans with Penetrating Head Injuries. Perceptual and Motor Skills, 71, 1120-1122, 1990.

1991 (8)

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- Grafman, J., Thompsen-Putnam, K., Sunderland, T., and Weingartner, H. Script Generation as an Indicator of Knowledge Representation in Patients with Alzheimer's Disease, Brain and Language, 40 (3), 344-358, 1991.
- Sirigu, A., Grafman, J., Bressler, K., and Sunderland, T. Multiple Representations Contribute to Body Knowledge Processing: Evidence from a case of autotopagnosia. Brain, 114 (1B), 629-642, 1991.
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- Grafman, J., Cohen, L.J., and Hallett, M. Is Focal Hand Dystonia Associated With Psychopathology? Movement Disorders, 6, 29-35, 1991.
- Grafman, J., Rao, S., Bernardin, L., and Leo, G.J. Automatic Memory Processes in Patients with Multiple Sclerosis. Archives of Neurology, 48, 1072-1075, 1991.
- Grafman, J., and Hendler, J. Planning and the Brain. Behavioral and Brain Sciences (commentary), 14 (4), 563-564, 1991.

1992 (8)

- Grafman, J. Neuropsychological Assessment of Vascular Dementia. Proceedings of the NINDS-AIREN International Workshop on Vascular Dementia. NIH, Bethesda, Maryland, April 19-20, 1991. New Issues in Neuroscience, 4, 159-163, 1992.
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- Grafman, J., Litvan, I., Massaquoi, S., Stewart, M., Sirigu, A., and Hallett, M. Cognitive Planning Deficit in Patients with Cerebellar Atrophy. Neurology, 42 (8), 1493-1496, 1992.

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- Pascual-Leone, A., Houser, C.M., Grafman, J., and Hallett, M. Reaction Time Following Transcranial Magnetic Stimulation, Lancet, 339 (June 6), 1420, 1992.
- Duhamel, J.-R., Goldberg, M.E., Fitzgibbon, E.J., Sirigu, A., and Grafman, J. Saccadic Dysmetria in a Patient with a Right Frontoparietal Lesion: The Importance of Corollary Discharge for Accurate Spatial Behavior. Brain, 115 (5), 1387-1402, 1992.

1993 (13)

- Weingartner, H., Eckhart, M., Grafman, J., Molchan, S., Thompsen-Putnam, K., Rawlings, R., and Sunderland, T. The Effects of Repetition on Memory Performance in Cognitively Impaired Patients. Neuropsychology, 7 (3), 385-395, 1993.
- Grafman, J., Schwartz, V., Dale, J.K., Scheffers, M., Houser, C., and Straus, S.E. Analysis of Neuropsychological Functioning in Patients with Chronic Fatigue Syndrome, Journal of Neurology, Neurosurgery, and Psychiatry, 56 (6), 684-689, 1993.
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- Friedman, R.B., Beeman, M., Lott, S.N., Link, K., Grafman, J., and Robinson, S. Modality-specific Phonological Alexia, Cognitive Neuropsychology, 10 (6), 549-568, 1993.
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and Hallett, M. Memory in Patients with Cerebellar Degeneration. Neurology, 43 (8), 1536-1544, 1993.

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- Grafman, J., Sirigu, A., Spector, L., and Hendler, J. Damage to the Prefrontal Cortex Leads to Decomposition of Structured Event Complexes. Journal of Head Trauma Rehabilitation, 8 (1), 73-87, 1993.
- Pascual-Leone, A., Grafman, J., Clark, K., Stewart, M., Massaquoi, S., Lou, J.-L., and Hallett, M. Procedural Learning in Parkinson's Disease and Cerebellar Degeneration. Annals of Neurology, 34 (4), 594-602, 1993.
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- Appollonio, I., Clark, K., Grafman, J., and Frattola, L. Abilità Cognitive Visuo-Spaziali Nel Morbo Di Parkinson Con O Senza Demenza: Mantenimento E Rotazione Di Immagini. Atti XX Riunione L.I.M.P.E.,

Patologia extrapiramidale degenerativa e iatogena. Varese, 21-22-23 ottobre, 1993.

1994 (16)

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- Litvan, I. Blesa, R., Clark, K., Nichelli, P., Atack, J.R., Gillespie, M., Mouradian, M.M., Grafman, J., and Chase, T.N. Pharmacologic Evaluation of the Cholinergic System in Progressive Supranuclear Palsy. Annals of Neurology, 36, 55-61, 1994.
- Pascual-Leone, A., Valls-Sole, J., Brasil-Neto, J.P., Cammarotta, A., Grafman, J., and Hallett, M. Akinesia in Parkinson's Disease. Part 2: Shortening of Choice Reaction Time and Movement Time with Subthreshold Repetitive Transcranial Motor Cortex Stimulation, Neurology, 44 (5), 892-898, 1994.
- Ruchkin, D.S., Grafman, J., Krauss, G.L., Johnson, Jr., R., Canoune, H., and Ritter, W. Confirmation of a Verbal Working Memory Deficit in Multiple Sclerosis. Brain, 117 (2), 289-306, 1994.
- Rueckert, L., Appollonio, I., Grafman, J., Jezard, P., Johnson Jr. R., Le Bihan, D., and Turner, R. MRI Functional Activation of Left Frontal Cortex during Covert Word Production. Journal of Neuroimaging, 4 (2), 67-70, 1994.
- Arnett, P.A., Rao, S.M., Bernardin, L.J., Grafman, J., Yetkin, F.Z., and Lobeck, L. Relationship Between Frontal Lobe Lesions and Wisconsin Card Sorting Test Performance in Patients with Multiple Sclerosis. Neurology, 44 (3), 420-424, 1994.

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- Pascual-Leone, A., Gomez-Tortosa, E., Grafman, J., Alway, D., Nichelli, P., and Hallett, M. Induction of Transient Hemi-Attention to Visual Stimuli by Rapid-Rate Transcranial Magnetic Stimulation (rTMS) of the Parietal Lobe. Neurology, 44 (3), 494-498, 1994.
- Pascual-Leone, A., Grafman, J., and Hallett, M. Modulation of Cortical Motor Output Maps during the Development of Implicit and Explicit Knowledge. Science, 263 (4 March 1994), 1287-1289.
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- Pascual-Leone, A., Grafman, J., and Hallett, M. Explicit and Implicit Learning and Maps of Cortical Motor Output (technical report). Science, 265 (9 September, 1994), 1600-1601.

1995 (12)

- Sirigu, A., Zalla, T., Pillon, B., Grafman, J., Agid, Y., and Dubois, B. Selective Impairments in Managerial Knowledge Following Prefrontal Cortex Damage. Cortex, 31 (2), 301-316, 1995.
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- Grafman, J., Litvan, I., and Stark, M. Neuropsychological Features of Progressive Supranuclear Palsy. Brain and Cognition, 28, 311-320. 1995.
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- Goel, V., and Grafman, J. Are the Frontal Lobes Implicated in Planning Functions: Re-interpreting data from the tower of hanoi. Neuropsychologia, 33 (5), 623-642, 1995.
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