

Curriculum Vitae

Ronald A. Yeo, Ph.D.

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Education:

Ph.D. (1984): The University of Texas at Austin, Department of Psychology, Austin, Texas; clinical neuropsychology.

B.A. (1975): Colby College, Waterville, Maine; psychology and biology.

Employment History:

5/12 – present: Regents Professor, Department of Psychology, University of New Mexico.

6/98 – 5/12: Professor, Department of Psychology, University of New Mexico.

7/11 – 7/12: Principal Investigator Coordinator, Mind Research Network, Albuquerque, NM.

1/85 - present: Private practice in neuropsychological assessment, Neuropsychology Associates, Albuquerque, NM.

6/04 – 8/08: Chair, Department of Psychology, University of New Mexico.

8/00- 6/04: Director of Clinical Training, Department of Psychology, University of New Mexico.

8/94 -7/98: Associate Chair for Graduate Studies, Department of Psychology, University of New Mexico.

6/90 -6/98: Associate Professor, Department of Psychology, University of New Mexico.

8/84 - 6/90: Assistant Professor, Department of Psychology, University of New Mexico.

1/85 - 5/87: Neuropsychology consultant to Veterans Health Study, conducted at Lovelace Medical Center for the Center for Disease Control.

9/83 - 8/84: Post-Doctoral fellow in clinical neuropsychology at the Aphasia Research Center, Boston VA Medical Center, funded by National Institute of Health training grant.

1/84 - 8/84: Assistant in Neuropsychology, Department of Neurology, Harvard University Medical School, McLean Hospital, Belmont, MA.

9/83 - 9/84: Research Fellow, Department of Psychology, Brandeis University, Waltham, MA.

9/82 - 9/83: Internship - A. P. A. - approved internship in clinical neuropsychology at the Boston VA Medical Center under the supervision of Dr. Edith Kaplan.

Honors:

Regents Professor, University of New Mexico (2012)

Earl Walker Award, Outstanding Neuroscience Research, University of New Mexico (2010)

Outstanding Teacher of the Year, University of New Mexico (1996)

Presidential Lecturer, University of New Mexico (1988-1989).

Outstanding Instructor, University of New Mexico (1985-1987).

Presidential Recognition Award, University of New Mexico (1985).

Best Doctoral Dissertation, Department of Psychology, University of Texas at Austin (1982-1983).

Professional Memberships:

International Neuropsychological Society  
Division 40 (Neuropsychology), American Psychological Association

Research Interests:

1. Evolutionary, genetic, and neurobiological origins of individual differences in cognition.
2. The role of developmental instability in the etiology of neurodevelopmental disorders such as schizophrenia, dyslexia, and attention deficit/hyperactivity disorder.
3. Neuroimaging and neuropsychological analyses of brain injury from trauma and drug abuse (including diffusion tensor imaging, functional fMRI, and magnetic resonance spectroscopy).

Articles in refereed journals:

1. Yeo, R. A., & Cohen, D. B. (1983). Familial sinistrality and sex differences in cognitive abilities. *Cortex*, 19, 125-130.
2. Yeo, R. A., Turkheimer, E., & Bigler, E. D. (1983). A simple computerized method for quantification of CAT scan parameters: Reliability and Utility. *Clinical Neuropsychology*, 4, 287.
3. Turkheimer, E., Yeo, R., & Bigler, E. (1983). Digital planimetry in APLSF. *Behavior Research Methods*, 15, 471-473.
4. Yeo, R. A., Turkheimer, E., & Bigler, E. D. (1984). The influence of sex and age on unilateral cerebral lesion sequelae. *International Journal of Neuroscience*, 24, 299-301.
5. Bigler, E., Hubler, D., Turkheimer, E., Cullum, C., Paver, S., & Yeo, R. (1984). Volumetric CAT measures and neuropsychological performance in Alzheimer's disease. *International Journal of Neuroscience*, 24, 291-294.
6. Bigler, E., Paver, S., Cullum, C., Turkheimer, E., Hubler, D., & Yeo, R. (1984). Ventricular enlargement, cortical atrophy and neuropsychological performance following head injury. *International Journal of Neuroscience*, 24, 295-298.
7. Turkheimer, E., Cullum, M., Hubler, D., Paver, S., Yeo, R., & Bigler, E. (1984). Quantifying cortical atrophy. *Journal of Neurology, Neurosurgery, and Psychiatry*, 47, 1314-1318.
8. Yeo, R. A. (1986). Neuropsychological assessment strategies. *Contemporary Psychology*, 31, 254-256.

9. Helm-Estabrooks, N., Yeo, R., Geschwind, N., Friedman, M., & Weinstein, C. (1986). Stuttering: Disappearance and reappearance with acquired brain lesions. *Neurology*, 36, 1109-1112.
10. Raz, N., Raz, S., Yeo, R. A., Turkheimer, E., Bigler, E. D., & Cullum, C. M. (1986). Relationship between cognitive and morphological asymmetry in dementia of the Alzheimer type: A CT study. *International Journal of Neuroscience*, 26, 301-309.
11. Yeo, R. A., Turkheimer, E., Raz, N., & Bigler, E. D. (1987). Volumetric asymmetries of the human brain: Intellectual correlates. *Brain and Cognition*, 6, 15-23.
12. Helm-Estabrooks, N., Weinstein, C., Yeo, R. A., & Freedman, M. (1987). Stuttering assessment and acquired lesions. *Neurology*, 37, 1434-1435.
13. Otto, M. W., Yeo, R. A., & Dougher, M. J. (1987). Right hemisphere involvement in depression: Toward a neuropsychological model of negative affective experiences. *Biological Psychiatry*, 22, 1201-1215.
14. Haaland, K. Y., Harrington, D., & Yeo, R. A. (1987). The effects of task complexity on motor performance in left and right CVA patients. *Neuropsychologica*, 29, 783-794.
15. Burke, H., Yeo, R., & Vranes, L., Garry, P., & Goodwin, J. (1988). Handedness, developmental disorder and in vivo and in vitro measurement of immune response disorders. *Developmental Neuropsychology*, 4, 103-115.
16. Willis, L., & Yeo, R. A. (1988). Differential declines in cognitive function with aging: The possible role of health status. *Developmental Neuropsychology*, 4, 23-28.
17. Daniel, W. F., Yeo, R. A., & Smith, J. E. (1989). Conversion disorders and ECT. *British Journal of Psychiatry*, 154, 274-275.
18. Otto, M. W., Dougher, M. J., Yeo, R. A. (1989). Depression, pain, and hemispheric activation. *Journal of Nervous and Mental Disease*, 177, 210-218.
19. Hunt, A., Orrison, W. W., Yeo, R. A., Haaland, K. Y., Rhyne, R., Garry, P., & Rosenberg, G. A. (1989). Clinical significance of MRI white matter hyperintensities in the elderly. *Neurology*, 39, 1470-1474.

20. Harrington, D. L., Haaland, K. Y., Yeo, R. A., & Marder, E. (1990). Procedural and declarative learning in Parkinson's Disease. *Journal of Clinical and Experimental Neuropsychology*, 12, 323-339.
21. Turkheimer, E., Yeo, R. A., & Bigler, E. D. (1990). Quantitative assessment of covariation between neuropsychological function and location of naturally occurring lesions in humans. *Journal of Clinical and Experimental Neuropsychology*, 12, 549-565.
22. Turkheimer, E., Yeo, R. A., & Bigler, E. D. (1990). Basic relations among lesion location, lesion volume and neuropsychological performance. *Neuropsychologia*, 28, 1011-1019.
23. Craft, S., & Yeo, R. A. (1990). Eye dominance and CT asymmetries. *Developmental Neuropsychology*, 6, 89-95.
24. Yeo, R. A., Turkheimer, E., & Bigler, E. D. (1990). Neuropsychological methods of localizing brain dysfunction: Clinical versus empirical approaches. *Neuropsychiatry, Neuropsychology, and Behavioral Neurology*, 3, 290-303.
25. Daniel, W. F. & Yeo, R. A. (1991). Left-handedness and accident rates. *American Journal of Public Health*, 81, 1036-1037.
26. Gennis, V., Garry, P. J., Haaland, K. Y., Yeo, R. A., & Goodwin, J. S. (1991). Hearing and cognition in the elderly. *Archives of Internal Medicine*, 151, 2259-2265.
27. Fouty, H. E., Otto, M. W., Yeo, R. A., & Briggs, C. R. (1992). A novel contact lens system to assess visual hemispheric asymmetries. *Perceptual and Motor Skills*, 74, 567-575.
28. Burke, H. L., Yeo, R. A., Delaney, H. C., & Connors, L. (1993). CT scan cerebral asymmetries: Predictors of recovery from aphasia. *Journal of Clinical and Experimental Neuropsychology*, 15, 191-204.
29. Yeo, R. A., Gangestad, S. W., & Daniel, W. F. (1993). Hand preference and developmental instability. *Psychobiology*, 21, 161-168.
30. Yeo, R. A., Gangestad, S. W. (1993). Developmental origins of variation in human hand preference. *Genetica*, 89, 281-296.

31. Otto, M. W., & Yeo, R. A. (1993). Hemispheric activation, affective judgments, and pain perception. *Psychotherapy and Psychosomatics*, 60, 186-194.
32. Turkheimer, E., Farace, E., Yeo, R. A., & Bigler, E. D. (1993). Quantitative analysis of gender differences in the effects of lateralized lesions on verbal and performance IQ. *Intelligence*, 17, 461-474.
33. Daniel, W. F., & Yeo, R. A. (1994). Accident proneness and handedness. *Biological Psychiatry*, 28, 128.
34. Burke, H. L., & Yeo, R. (1994). Systematic variations in callosal morphology: The effects of age, gender, hand preference, and anatomic asymmetry. *Neuropsychology*, 8, 563-571.
35. Gangestad, S. W., Thornhill, R., & Yeo, R. A. (1994). Facial attractiveness and fluctuating anatomic asymmetries. *Ethology and Sociobiology*, 15, 73-85.
36. Gangestad, S. W., & Yeo, R. A. (1994). Parental handedness and relative hand skill: A test of the developmental instability hypothesis. *Neuropsychology*, 8, 572-578.
37. Boyle, P. J., Nagy, R. J., O'Conner, A. M., Kempers, S. F., Yeo, R. A., & Qualls, C. (1995) Adaptation in brain glucose metabolism following recurrent hypoglycemia cause hypoglycemia unawareness and defective glucose counterregulation in man. *Proceedings of the National Academy of Sciences*, 91, 9352-9356.
38. Fouty, H. E., & Yeo, R. A. (1995). Lateralization of perceptual closure ability. *Perceptual and Motor Skills*, 81, 547-551.
39. Hendren, R. L., Hodde-Vargas, J., Yeo, R. A., Vargas, L. A., Brooks, W. M., & Ford, C. (1995). Neuropsychophysiologic study of children at risk for schizophrenia: A preliminary report. *Journal of Child and Adolescent Psychiatry*, 10, 1284-1291.
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41. Gangestad, S. W., & Yeo, R. A. (1997). Behavioral genetic variation, adaptation and maladaptation: An evolutionary perspective. *Trends in Cognitive Science*, 1, 103-108.

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44. Brooks, W.M., Hodde-Vargas, J., Vargas, L., Yeo, R.A., Ford, C.C., & Hendren, R. Frontal lobe of adolescents with schizotypal signs: A <sup>1</sup>H- MRS study. (1998). *Biological Psychiatry*, 43, 263-269.
45. Friedman, S. D., Brooks, W. M., Jung, R. E., Hart, B. L., & Yeo, R. A. (1998). Proton MR spectroscopic findings correspond to diffuse neuropsychological function in traumatic brain injury. *The American Journal of Neuroradiology*, 19, 1879-1885.
46. Friedman, S. F., Brooks, W. M., Jung, R. E., Chuilli, S. J., Sloan, J. H., Montoya, B. T., Hart, B. L., & Yeo, R. A. (1999). Quantitative <sup>1</sup>H-MRS predicts outcome following traumatic brain injury. *Neurology*, 52, 1384-1396.
47. Jung, R. E., Brooks, W. M., Yeo, R. A., Weers, D., Hart, B., & Sibbitt, W.L. (1999). Biochemical markers of intelligence: A proton MR spectroscopy study of the normal human brain. *Proceedings of the Royal Society B*, 266, 1375-1379.
48. Yeo, R. A. (1999). Asymmetry, developmental stability, and evolution. *Laterality*, 4, 389-394.
49. Jung, R. E., Yeo, R. A., Weers, D., Hart, B., & Sibbitt, W. L., Brooks, W. M. (1999). Biochemical markers of neuropsychological performance: A proton MR spectroscopy study of the normal human brain. *Neuroreport*, 10, 1-5.
50. Yeo, R. A., Gangestad, S. W., Edgar, C., & Thoma, R. (1999). The evolutionary-genetic underpinnings of schizophrenia: The Developmental Instability model. *Schizophrenia Research*, 39, 197-206.
51. Yeo, R. A., Hill, D. E., Campbell, R., Vigil, J., & Brooks, W. M. (2000) Developmental instability and working memory ability in children: A magnetic resonance spectroscopy investigation. *Developmental Neuropsychology*, 17, 143-159.

52. Jung, R., Yeo, R. A., & Gangestad, S. W. (2000). Developmental instability predicts individual variation in verbal memory skill following caffeine ingestion. *Behavioral Neurology, Neuropsychology, and Neuropsychiatry*, 13, 195-198.
53. Brooks, W. M., Stidely, C. A., Petropoulos, H., Jung, R. E., Weers, D. C., Friedman, S. D., Barlow, M. A., Sibbitt, W. L., & Yeo, R. A. (2000). Metabolic and cognitive response to traumatic brain injury: A proton magnetic resonance study in humans. *Journal of Neurotrauma*, 17, 629-640.
54. Jung, R. E., Yeo, R. A., Chuilli, S. J., Sibbitt, W. L., & Brooks, W. M. (2000). Myths of neuropsychology: Intelligence, neurometabolism, and cognitive ability. *The Clinical Neuropsychologist*, 14, 535-545.
55. Jung, R. E., Yeo, R. A., Sibbitt, W. L., Ford, C. C., Hart, B. L., & Brooks, W. M. (2001). Gerstmann Syndrome in Systemic Lupus Erythematosus: Neuropsychological, Neuroimaging and Spectroscopic Findings. *Neurocase*, 7, 515-521.
56. Jung, R. E., Yeo, R. A., Love, T. M., Petropoulos, H., Sibbitt, W. M., & Brooks, W. M. (2002). Biochemical markers of mood: A proton MR spectroscopy study of normal human brain. *Biological Psychiatry*, 51, 224-229.
57. Thoma, R., Yeo, R. A., Gangestad, S. W., Lewine, J. D., & Davis, J. (2002). Fluctuating asymmetry and the human brain. *Laterality*, 7, 45-58.
58. Jung, R. E., Yeo, R. A., Love, T. M., Petropoulos, H., Sibbitt, W. M., & Brooks, W. M. (2002). Biochemical markers of mood: A proton MR spectroscopy study of normal human brain. *Biological Psychiatry*, 51, 224-229.
59. Yeo, R. A., Thoma, R., & Gangestad, S. W. (2002). Human handedness: A biological perspective. In I. Rapin & S. Segalowitz (Eds.), *Handbook of Neuropsychology*, Amsterdam: Elsevier Science, pp. 329-364.
60. Yeo, R. A., Hill, D. E., Campbell, R. A., Brooks, W. M., Vigil, J., Hart, B., & Zamora, L. (2003). A proton magnetic resonance spectroscopy investigation of the right frontal lobe in children with attention deficit hyperactivity disorder. *Journal of the American Academy of Child and Adolescent Psychiatry*, 42, 303-310.
61. Hill, D. E., Yeo, R. A., Campbell, R. A., Hart, B., Vigil, J., & Brooks, W. M. MRI Correlates of Attention Deficit/Hyperactivity Disorder (ADHD) in Children. (2003). *Neuropsychology*, 17, 491-506.

62. Driscoll, I. Hamilton, D. A., Petropoulos, H., Yeo, R. A., Brooks, W. M., Baumgartner, R. N., & Sutherland, R. J. (2003). The aging hippocampus: Cognitive, biochemical and structural variations. *Cerebral Cortex*, 13, 1344-1351.
63. Haier, R. J., Jung, R. E., Yeo, R. A., Head, K., Alkire, M. T. (2004) Structural brain variation and general intelligence. *NeuroImage*, 23, 425-433.
64. Thoma, R. J., Yeo, R. A., Gangestad, S. W., Halgren, E., Sanchez, N. M., & Lewine, J. D. (2005). Cortical Volume and Developmental Instability are Independent Predictors of General Intellectual Ability. *Intelligence*, 33, 27-38.
65. Prokosch, M. D., Yeo, R. A., & Miller G. F. (2005). Intelligence tests with higher g-loadings show higher correlations with body symmetry: Evidence for a general fitness factor mediated by developmental stability. *Intelligence*, 33, 203-213.
66. Rowland, L. M., Bustillo, J. R., Mullins, P. G., Jung, R. E., Lenroot, R., Landgraf, E., Barrow, R., Yeo, R. A., Lauriello, J., Brooks, W. M. (2005). Effects of ketamine on anterior cingulate glutamate metabolism in healthy humans: A 4-T proton MRS study. *American Journal of Psychiatry*, 162, 394-396.
67. Rowland, L. M., Astur, R. S., Jung, R. E. Bustillo, J. B., Lauriello, J., & Yeo, R. A. (2005). Selective Cognitive Impairments Associated with NMDA Receptor Blockade in Humans. *Neuropsychopharmacology*, 30, 633-639.
68. Driscoll, I., Hamilton, D. A., Yeo, R. A., Brooks, W. M., and Sutherland, R. J. (2005). Virtual Navigation in Humans: The Impact of Age, Sex, and Hormones on Place Learning. *Hormones and Behavior*, 47, 326-335.
69. Haier, R. J., Jung, R. E., Yeo, R. A., Head, K., Alkire, M. (2005) The neuroanatomy of general intelligence: Sex matters. *NeuroImage*, 25, 320-327.
70. Jung, R. E. Haier, R. J., Yeo, R. A., Rowland, M., Petropoulos, H., Levine, A. S., Sibbitt, W. S., & Brooks, W. M. (2005). Sex differences in N-acetylaspartate correlates of general intelligence: A 1H-MRS study of normal human brain. *NeuroImage*, 26, 965-972.
71. Hanlon, F. M., Weisend, M. P., Yeo, R. A., Huang, M., Lee, R. R., Thoma, R. J., Moses, S. N., Paulson, K. M., Miller, G. A., & Cañive, J. (2005). A Specific Test of Hippocampal Deficit in Schizophrenia. *Behavioral Neuroscience*, 119(4), 863-875.

72. Haier, R. J., Jung, R. E., Yeo, R. A., Head, K., & Alkire, M. T. (2005). Structural brain variation, age, and response time. *Cognitive, Affective, and Behavioral Neuroscience*, 5, 246-251.
73. Edgar, C., Yeo, R. A., Canive, J., Miller, G. Reduced auditory M100. (2006). Asymmetry in schizophrenia and dyslexia: Applying a developmental instability approach to assess atypical brain asymmetry. *Neuropsychologia*, 44, 289-299.
74. Yeo, R. A., Brooks, W. M., Jung, R. E. (2006). NAA and higher cognitive function in humans. *Advanced Experimental Medicine and Biology*, 576: 215-26, 2006.
75. Hanlon, F. M., Weisend, M., Hamilton, D. A., Jones, A. P., Thoma, R. J., Huang, M., Martin, K., Yeo, R. A, Miller, G.A., & Cañive, J. M. (2006). Impairment on the hippocampal-dependent virtual morris water task in schizophrenia. *Schizophrenia Research*, 87, 67-80.
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77. Thoma, R. J., Yeo, R. A., Gangestad, S. W., Halgren, E., Davis, J., Paulson, K. M., & Lewine, J. D. (2006). Developmental instability and the neural dynamics of the speed-intelligence relationship. *NeuroImage*, 32(3), 1456-1464.
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80. Thoma, R. J., Gangestad, S. W., Euler, M. J., Lysne, P. A., Monnig, M., Lewine, J. D., & Yeo, R. A. (2008). Developmental instability and markers of schizotypy in university students. *Evolutionary Psychology*, 6 (4). 586-594.
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94. Yeo, R. A., Arden, R., & Jung, R. E. (2011). Alzheimer's disease and intelligence. *Current Alzheimer Research*, 8(4), 345-353.
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99. Yang, Z., Yeo, R. A., Pena, A., Ling, J. M., Klimaj, S., Campbell, R. A., Doezema, D., & Mayer, A. R. (2012). A fMRI study of auditory orienting and inhibition of return in pediatric mild traumatic brain injury. *Journal of Neurotrauma*, 29, 2109-2123.
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### Teaching

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 Introduction to Clinical Neuropsychology  
 Cognitive and Neuropsychological Assessment  
 Practicum in Cognitive and Neuropsychological Assessment  
 Biological Bases of Psychopathology  
 Introductory Psychology  
 Advanced Neuropsychological Assessment  
 Brain & Behavior  
 Topics in Cognitive Neuropsychology  
 The Neuropsychology of Individual Differences  
 Biological Bases of Behavior  
 Graduate Research Seminar  
 Seniors Honors Seminar  
 Genes, Parents, and Culture: Shaping Human Nature  
 Laboratory in Neuroimaging and Psychopathology

### Professional Service

Associate Editor (current):  
 Evolutionary Neuroscience

## Laterality

### Ad Hoc Editorial Review (recent):

Neuroscience Letters

Biological Psychiatry

Journal of Neurotrauma

Journal of the International Neuropsychological Society

Psychiatry Research: Neuroimaging

Human Behavior and Evolution

Pediatrics

Developmental Neuropsychology

Laterality

Neuropsychology

Journal of Abnormal Psychology

American Journal of Public Health

Psychological Assessment

Assessment

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