

BIOGRAPHICAL SKETCH

Provide the following information for all key personnel.
Follow the sample format for each person found in **Biosketch Sample**. **DO NOT EXCEED FOUR PAGES.**

NAME		POSITION TITLE	
Gordon J. Chelune		Professor of Neurology University of Utah School of Medicine	
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
University of San Francisco, San Francisco, CA	BA	1968-72	Psychology
University of Nevada, Reno, Reno, NV	PhD	1972-76	Clinical Psychology
Veterans Affairs Palo Alto Health Care System, Palo Alto, CA	Resident	1975-76	Clinical Psychology
University of Colorado at Denver and Health Sciences Center, Denver, CO	Postdoctoral Fellow	1976-78	Clinical Neuropsychology

A. Positions and Honors.

<u>Employment / Experience</u>	
1978- 1981	Assistant Professor, University of Georgia, Department of Psychology, Athens, GA
1981- 1984	Adjunct Professor, West Virginia College of Graduate Studies, Morgantown, WV
1981- 1984	Associate Professor (tenure) and Director, West Virginia University Medical Center, Department of Behavioral Medicine and Psychiatry, Charleston Area Medical Center, Assessment Service & Neuropsychology Laboratory, Charleston, WV
1984- 1985	Director of Psychology Assessment Unit, San Diego Veterans Administration Medical Center, Psychology Service, San Diego, CA
1984- 1985	Associate Clinical Professor, University of California, San Diego, School of Medicine, Department of Psychiatry, San Diego, CA
1985- 2005	Cleveland Clinic Foundation, Departments of Neurology and Psychiatry & Psychology; Head, Section of Neuropsychology 1985-2000, Director of Neuropsychological Services, The Mellen Center for MS Treatment and Research 2000-05
2006- present	Professor, Department of Neurology, University of Utah, Salt Lake City, UT Adjunct Professor, University of Utah Department of Psychology, Salt Lake City, UT
<u>Selected Honors</u>	
1985 -present	Fellow, Society of Personality Assessment
1990 -present	Fellow, National Academy of Neuropsychology
1993 -present	Fellow, American Psychological Association, Division of Clinical Neuropsychology
1991 -1992	Secretary, National Academy of Neuropsychology
1993-1997	President, National Academy of Neuropsychology
1998-2001	President, American Psychological Association, Division of Clinical Neuropsychology
2007-2010	Treasurer, International Neuropsychological Society
<u>Selected Federal and Public Advisory Committee Service</u>	
1990 -1996	Member, National Institute of Mental Health, Office of AIDS Programs: Neuropsychological Assessment Workgroup

1990 -1993	Dept. of Veterans Affairs, Merit Review Board, Mental Health and Behavioral Science
2001-2003	National Institute of Mental Health, Interventions Study Section
2002 - Present	Scientific Advisory Board, Kessler Medical Rehabilitation Research and Education Corporation
2004 - Present	Member, Psychological Corp, External Advisory Panel for WAIS-IV and WMS-IV
2007 - Present	Consultant, National Institute on Aging, Advisory Panel, NIH-NIA Cognitive Toolbox Project emphasizing the assessment of neurological and behavioral health and function across the lifespan

B. Selected peer-reviewed publications (in chronological order).

B. Selected Peer-Reviewed Publications. (Selected from 98 peer-reviewed publications)

1. Attix DK, Story TJ, Chelune GJ, Ball JD, Stutts ML, Hart RP, Barth JT. (2008). The prediction of change: Normative neuropsychological trajectories. The Clinical Neuropsychologist (*in press*).
2. Chelune GJ. (2008). Evidence-based research and practice in clinical neuropsychology. The Clinical Neuropsychologist (*in press*).
3. Marchand WR, Lee JN, Thatcher JW, Hsu EW, Raskin E, Suchy Y, Chelune G, Starr J, Barbera SS. (2008). Putamen co-activation during motor task execution. NeuroReport, 19, 957-960.
4. Levy JA, Chelune GJ. (2007). Cognitive-behavioral profiles of neurodegenerative dementias: beyond Alzheimer's disease. J Geriatr Psychiatry Neurol, 20(4), 227-238.
5. Lange RT, Chelune GJ. (2007). Examining the relationship between WAIS-III premorbid intellectual functioning and WMS-III memory ability to evaluate memory impairment. Applied Neuropsychology, 14(3), 1-7.
6. Farag, E., Chelune, G.J., Schubert, A., & Mascha, E. (2006). Is depth of anesthesia, as assessed by the bispectral index, related to postoperative cognitive dysfunction and recovery? Anesthesia & Analgesia, 103(3), 633-640.
7. Lange, R.T., Chelune, G.J., Taylor, M.J., Woodward, T.S., & Heaton, R.K. (2006). Development of demographic norms for four new WAIS-III/WMS-III Indexes. Psychol. Assessment, 18, 174-181.
8. Schoenberg, M.R., Lange, R.T., Iverson, G.L., Chelune, G.J., Scott, J.G., & Adams, R.L. (2006). Clinical validation of the General Ability Index-Estimate (GAI-E): Estimating Premorbid GAI. The Clinical Neuropsychologist, 20, 365-381.
9. Lange, R.T., Chelune, G.J., & Tulskey, D.S. (2006). Development of WAIS-III General Ability Index minus WMS-III memory discrepancy scores. The Clinical Neuropsychologist, 20, 382-395.
10. Lange, R.T., & Chelune, G.J. (2006). Application of the new WAIS-III/WMS-III discrepancy scores for evaluating memory functioning: Relationship between intellectual and memory ability. Journal of Clinical and Experimental Neuropsychology, 28, 592-604.
11. Lange, R.T., Schoenberg, M.R., Chelune, G.J., Scott, J.G., & Adams, R.L. (2005). Development of the WAIS-III General Ability Index Estimate (GAI-E). The Clinical Neuropsychologist, 19, 73-86.
12. Marrie, R.A., Chelune, G.J., Miller, D.M., & Cohen, J.A. (2005). Subjective complaints relate to mild impairment of cognition in multiple sclerosis. Multiple Sclerosis, 11, 69-75.
13. Todd, M.M., Hindman, B.J., Clarke, W.R., & Torner, J.C., for the IHAIST Investigators. (2005). Mild intraoperative hypothermia during surgery for intracranial aneurysm. New England Journal of Medicine, 352, 135-145.
14. Tulskey, D.S., Chelune, G.J., & Price, L.R. (2004). Development of a new Delayed Memory Index for the WMS-III. Journal of Clinical and Experimental Neuropsychology, 26, 563-576.
15. DeLuca, J., Chelune, G.J., Tulskey, D.S., Lengenfelder, J., & Chiaravolloti, N.D. (2004). Is speed of processing or working memory the primary information processing deficit in Multiple Sclerosis? Journal of Clinical and Experimental Neuropsychology, 26, 550-562.
16. Frazier, T.W., Youngstrom, E.A., Chelune, G.J., Naugle, R.I., & Lineweaver, T.T. (2004).

- Increasing the reliability of ipsative interpretations in neuropsychology: A comparison of Reliable Components Analysis and other factor analytic methods. *J. Int. Neuropsychol. Soc.*, 10, 578-589.
17. Dori, G.A., & Chelune, G.J. (2004). Education stratified base rate information on discrepancy scores within and between the WAIS-III and WMS-III. *Psychol. Assessment*, 16, 46-54.
 18. Sherman, E.M.S., Slick, D.L., Connolly, M.B., Steinbok, P. Martin, R., Strauss, E., Chelune, G.J., & Farrell, K. (2003). Re-examining the effects of epilepsy surgery on IQ in children: Use of regression-based change scores. *J. Int. Neuropsychological Soc.*, 9, 879-886.
 19. Chelune, G.J. (2002). Making neuropsychological outcomes research consumer friendly: A comment on Keith, et al. (2002). *Neuropsychology*, 422-425.
 20. Wilde, N., Strauss, E., Chelune, G.J., Loring, D.W., Martin, R.C., Hermann, B.P., Sherman, E., & Hunter, M. (2001). WMS-III performance in patients with temporal lobe epilepsy: Group differences and individual classification. *J. Int. Neuropsychological Soc.*, 7, 881-891.
 21. Westerveld, M., Sass, K.J., Chelune, G., Hermann, B., Barr, W., Loring, D., Strauss, E., Perrine, K., & Spenser, D.D. (2000). Temporal lobectomy in children: Cognitive outcome. *Journal of Neurosurgery*, 92, 24-30.
 22. Hermann, B.P., Perrine, K., Chelune, G.J., Barr, W., Loring, D.W., Strauss, E., Trennery, M.R., & Westerveld, M. (1999). Visual confrontation naming following left anterior temporal lobectomy: A comparison of surgical approaches. *Neuropsychology*, 13, 3-9.
 23. Chelune, G.J., Naugle, R.I., Hermann, B.P., Barr, W.B., Trenerry, M.R., Loring, D.W., Perrine, K., Strauss, E., & Westerveld, M. (1998). Does presurgical IQ predict seizure outcome after temporal lobectomy? Evidence from the Bozeman Epilepsy Consortium. *Epilepsia*, 39, 314-318.
 24. Kneebone, A.C., Chelune, G.J., & Lüders, H. (1997). Individual prediction of seizure lateralization in temporal lobe epilepsy: A comparison between neuropsychological memory measures and the intracarotid amobarbital procedure. *J. Int. Neuropsychological Soc.*, 3, 159-168.
 25. Sawrie, S.M., Chelune, G.J., Naugle, R.I., & Lüders, H.O. (1996). Empirical methods for assessing clinically meaningful change following epilepsy surgery. *J. Int. Neuropsychol. Soc.*, 2, 556-564.
 26. Strauss, E., Loring, D., Chelune, G. J., Hunter, M., Hermann, B.P., Perrine, K., Westerveld . M., Trenerry, M., & Barr, W. (1995). Predicting cognitive impairment in epilepsy: Findings from the Bozeman Epilepsy Consortium. *J. Clin. Exp. Neuropsychology*, 17, 909-917.
 27. Chelune, G. J. (1995). Hippocampal Adequacy versus functional reserve: Predicting memory functions following temporal lobectomy. *Archives of Clinical Neuropsychology*, 10, 413-432.
 28. Kneebone, A. C., Chelune, G. J., Dinner, D., Awad, I. A., & Naugle, R. I. (1995). Use of the intracarotid amobarbital procedure to predict material specific memory change following anterior temporal lobectomy. *Epilepsia*, 36, 857-865.
 29. Naugle, R. I., Chelune, G. J., Cheek, R., Lüders, H., & Awad, I.A. (1993). Detection of changes in material-specific memory following temporal lobectomy using the Wechsler Memory Scale-Revised. *Archives of Clinical Neuropsychology*, 8, 381-395.
 30. McSweeney, A. J., Chelune, G. J., Naugle, R. I., & Lüders, H. (1993). "T-scores for change:" An illustration of a regression approach to depicting change in clinical neuropsychology. *The Clinical Neuropsychologist*, 7, 300-312.
 31. Chelune, G. J., Naugle, R. I., Lüders, H., Sedlak, J., & Awad, I. A. (1993). Individual change following epilepsy surgery: Practice effects and base-rate information. *Neuropsychology*, 1, 41-52.
 32. Wyllie, E., Naugle, R., Awad, I., Chelune, G., Lüders, H., Dinner, D., Skibinski, C., & Ahl, J. (1991). The intracarotid amobarbital procedure (Wada test): I. Prediction of decreased modality-specific memory scores after temporal lobectomy. *Epilepsia*, 32, 857-864.
 33. Chelune, G. J., Naugle, R. I., Lüders, H., & Awad, I. A. (1991). Prediction of cognitive change as a function of preoperative ability status among temporal lobectomy patients at six months follow-up. *Neurology*, 41, 399-404.

Selected Non-Peer Reviewed Publications (Selected relevant book chapters from 38)

1. Chelune GJ. (2008). Section Editor for Neurodegenerative disorders and dementias (in press). In DeLuca J;

- Kreutzer J; Caplan B (Ed.), *Encyclopedia of Clinical Neuropsychology*. Springer.
2. Chelune GJ, Stott H, Pinkston J. (2008). Multiple Sclerosis. In Morgan JE, Ricker JH (Eds.), *Textbook of Clinical Neuropsychology* (pp. 599-615). New York: Taylor & Francis.
 3. Busch, R.M., Chelune, G.J., & Suchy, Y. (2006). Using norms in neuropsychological assessment of the elderly. In D. Koltai-Attix and K.A. Welsh-Bohmer (Eds.), Geriatric neuropsychology: Assessment and intervention, pp. 141-165. New York: Gilford.
 4. Lineweaver, T.T. & Chelune, G.J. (2003). Use of the WAIS-III and WMS-III in the context of serial assessments: Interpreting reliable and meaningful change. Chapter in: D.S Tulsy, D.H. Saklofske, G.J. Chelune, R.K Heaton, R.J. Ivnik, R.A. Bornstein, A. Prifitera, & M.F Ledbetter. (Eds.). Clinical Interpretation of the WAIS--III and WMS-III, pp. 301-335. New York: Academic Press.
 5. Chelune, G.J. (2003). Assessing reliable neuropsychological change. In R. Franklin (Ed.), Prediction in forensic and neuropsychology: Sound statistical practices, pp. 123-147. Mahwah, N.J.: Lawrence Erlbaum.
 6. Chelune, G.J. & Najm, I. (2001). Risk factors associated with postsurgical decrements in memory. In H.O. Lüders & Y. Comair (Eds.), Epilepsy Surgery, 2nd Ed., pp. 497-504. Philadelphia: Lippincott Williams & Wilkins.

C. Research Support.

Active Research Projects

11/06 – present Anonymous Foundation (51001866) Co-PIs Foster and Chelune

Early detection of Alzheimer’s Disease in a community population using longitudinal cognitive assessment

Project developed cognitive trajectories of change over 10-yr period in normal older adults from Cache County Study and is relating these trajectories to differences in PET metabolism in a subsample

Role: Co-Principle Investigator

08/08 – 08/09 Faculty Seed Grant, University of Utah PI Marchand

Frontal-subcortical brain circuit function, connectivity, and structure in normal aging: Implications for functional independence and neurological disorders.

This is a functional neuroimaging study designed to look at age-related changes in basal ganglia circuitry and its relationship to measures of functional independence.

Role: Co-Investigator

01/05 – 12/10 NIH R01 MH072947-01A1 PI Butters

Pathways linking late-life depression to mild cognitive impairment and dementia

Study looks at relation between depression and cognitive impairment in older adults using serial assessments over time.

Role: Consultant

Completed Research Projects

11/06 – 10/07 Val A. Browning Foundation PI Rothstein

Studies of the anemia of aging

Project examined the cognitive correlates of anemia in an aging population

Role: Co-Investigator

01/02 – 12/05 Food and Drug Administration (FDA IDE G000204) PI Rezai

Electrical stimulation of the internal capsule for intractable obsessive-compulsive disorder

Clinical trial examining the efficacy of deep brain stimulation for the treatment of intractable OCD

Role: Co-Investigator