



ELLIOT HIRSHMAN

President, San Diego State University

**5500 Campanile Drive
San Diego, CA 92182-8000
619-594-5201
presidents.office@sdsu.edu**

Curriculum Vitae

Education

- | | |
|-----------|--|
| 1979-1983 | Yale University, B.A., summa cum laude, Economics and Mathematics |
| 1983-1984 | University of California, Los Angeles, M.A., Cognitive Psychology |
| 1984-1987 | University of California, Los Angeles, Ph.D., Cognitive Psychology
Minor Areas: Personality Psychology, Quantitative Psychology |
| 1987-1989 | New York University, Post-Doctoral Fellow, National Institute of Mental Health Fellowship |

Professional Experience

Administrative

- | | |
|-----------------|--|
| 7.01.11-Present | President
San Diego State University, San Diego, CA |
|-----------------|--|

President Elliot Hirshman serves as SDSU's Chief Executive Officer, overseeing a campus with 36,000 students and 7,000 faculty and staff. SDSU, a major research university that obtains \$130 million annually in external research funding, is Carnegie classified as a R2 doctoral university with higher research activity. It has earned the Carnegie Community Engagement Classification and also is a federally designated Hispanic-Serving Institution.

Dr. Hirshman leads a community that is supported by an annual budget of approximately \$835 million for the university and its auxiliaries (The Campanile Foundation, the San Diego State University Research Foundation, Aztec Shops Ltd., and Associated Students).

SDSU offers undergraduate, master's and doctoral degrees through eight academic colleges; distinguished co-curricular programs supporting student success; an international focus that integrates curricular programs and international exchanges; and a Division I intercollegiate athletics program featuring 19 sports.

Dr. Hirshman implemented an integrated financial strategy and budget for the university, and he is leading SDSU's first comprehensive fundraising campaign. It has raised over \$785 million for student and faculty support and for new initiatives and programs.

Dr. Hirshman is overseeing the university's strategic planning process, "Building on Excellence." Committees and task forces are in the fourth year of implementing new initiatives in student success, research and creative endeavors, and community and communication. Selected achievements include: increases in first-time freshman graduation rates to 74 percent; reductions in achievement gaps; dramatic increases in participation in study abroad, internships, mentoring, entrepreneurship, student research and other high-impact practices; substantial increases in external research funding and in participation in campus arts events; record fundraising of over \$100 million annually; hiring of over 180 new tenure-track faculty in three years; and significant construction and renovation of academic buildings, student life and athletics facilities, residence halls and the campus grounds.

7.01.08-6.30.11 Provost and Senior Vice President, University of Maryland,
Baltimore County (UMBC)

As Provost and Senior Vice President, Dr. Hirshman was responsible for all aspects of the academic program, including instruction, research and academic support services. As Provost, he also was responsible for enrollment management, including admissions and financial aid, and for the Division I intercollegiate athletics program. He oversaw the campus planning process, working with vice presidents, deans and governance groups to coordinate planning and budgeting for the campus. Dr. Hirshman was responsible for a budget of approximately \$200 million, including approximately \$90 million in sponsored program funding.

Dr. Hirshman worked collaboratively with all university constituencies to review UMBC's strategic plan, identify four priority areas (enhancing student success, strengthening infrastructure for research and creative activity, building environmental programs, supporting campus safety and security) and create a multiyear budget plan to implement the priorities. The university implemented strategies to enhance revenue and reduce costs (e.g., changes in student recruitment and financial aid discounting strategies, multiyear restructuring plans for information technology and the library) in order to allocate funds for priority initiatives. These initiatives included creating the College of Natural and Mathematical Sciences Active Science Teaching and Learning Environment to enhance pedagogical innovation in STEM fields; developing programs to enhance the first-year experience and undergraduate research experiences; originating an "academic venture" fund to support equipment, travel, research assistant stipends and other research and creative needs across all disciplines; partnering with the University of Maryland School of Medicine to obtain \$3 million in ARRA funds to support the construction of a functional magnetic resonance imaging (fMRI) facility; partnering with members of the Council of Deans to obtain \$1.2 million to support student success initiatives from NSF; and partnering with the University of Maryland Medical School, the University of Maryland Center for Environmental Science, and the University System of Maryland to create the Institute of Marine and Environmental Sciences – a process that resulted in the allocation of \$4.8 million to UMBC.

4.18.05-6.30.08 Chief Research Officer, George Washington University, Washington, D.C.

As Chief Research Officer, Dr. Hirshman was responsible for supporting and advancing research and creative activity across the university's schools and colleges, including the medical center. With a team of approximately 60 administrative staff members, he was responsible for the administration of approximately \$160 million in annual sponsored research expenditures. In addition, he supervised four academic units, whose annual budgets totaled approximately \$54 million. Significant accomplishments included working with faculty and administrators to increase the university's annual sponsored research funding from \$119 million to \$160 million; substantially increasing the university's intramural investment in faculty research; negotiating the reinstatement of a \$10 million cooperative agreement with the Department of Transportation; and leading planning processes for the university's School of Education, its School of Media and Public Affairs and its proposed science and engineering complex. Near the conclusion of Dr. Hirshman's time as CRO, he worked cooperatively with several schools and colleges to create an Institute for Renewable Energy.

7.01.02-4.17.05 Chair, Department of Psychology, George Washington University, Washington, D.C.

As Chair of the Department of Psychology, Dr. Hirshman was responsible for all aspects of the department's academic program, including curricular and co-curricular programs for more than 600 undergraduate majors and approximately 125 graduate students in three Ph.D. programs. In this role, he worked with faculty, staff and students to create a strategic plan for Health Promotion and Disease Prevention in Minority Communities. This plan guided faculty hiring and curricular revision during his term as chair and beyond. The plan also led to the creation of a summer institute on Health Promotion and Disease Prevention in Minority Communities. The institute prepares top undergraduates for graduate school and Ph.D. programs nationwide. Dr. Hirshman worked closely with alumni to raise funds for an endowed scholarship in honor of Richard D. Walk, a former chair of the department. As a result of the successful implementation of its strategic plan, the department received approximately \$500,000 in additional graduate student support from the university, became the College of Arts and Sciences leader in external funding and received the Richard Suinn Minority Achievement Program Award from the American Psychological Association.

8.15.00-6.30.02 Chair, Department of Psychology, University of Colorado at Denver

As Chair of the Department of Psychology, Dr. Hirshman was responsible for all aspects of the department's academic program, including curricular and co-curricular programs for more than 400 undergraduate majors and approximately 60 graduate students in two master's programs. In this role, he facilitated the renovation of the department's laboratories, obtained seed money to support faculty research and raised funds to support the Samuel Priest Rose Memorial Scholarship, named after a former faculty member in the department. During Dr. Hirshman's time as chair, the department identified health psychology as a central theme. This focused approach facilitated a process of curricular development and faculty hiring that culminated in the creation of the department's first Ph.D. program in Health Psychology.

7.01.98-6.31.99 Special Assistant to the Provost, University of North Carolina at Chapel Hill

As Special Assistant to the Provost, Dr. Hirshman undertook a number of projects to support priorities of the Provost and Chancellor. His most important accomplishment in this role was leading a university task force that revised the system for student evaluation of teaching. The task force's

approach was reviewed and endorsed by the Faculty Senate and implemented by the university. Additional accomplishments included coordinating a professional development workshop for female faculty (in partnership with the American Council on Education) and serving as a liaison to the American Academy for Liberal Education's Curriculum Development Project.

7.01.97-6.31.98 American Council on Education (ACE) Fellow, Office of the Provost and President, Arizona State University

The ACE Fellows Program is regarded as the nation's premier leadership development program in higher education. The program has produced more than 300 university and college presidents. ACE fellows spend an academic year on a host campus, working with the provost and president of the host institution. They also participate in three-week national seminars and attend national meetings on higher education. In addition to observing and participating in high-level meetings focusing on board relations, fundraising, strategic planning, budgeting, enrollment management, and program development, ACE Fellows also take on special projects and assignments. During Dr. Hirshman's fellowship year, he participated in Arizona State University's fundraising campaign cabinet and conducted a national study of best practices in fundraising that was published in *Currents*, the magazine of the Council for Advancement and Support of Education.

Academic

7.01.11-Present	Professor of Psychology, San Diego State University
7.01.08-6.30.11	Professor of Psychology, University of Maryland, Baltimore County
7.01.02-6.30.08	Professor of Psychology, George Washington University
8.15.00-6.30.02	Professor of Psychology, University of Colorado at Denver
7.01.00-8.15.00	Professor of Psychology, University of North Carolina at Chapel Hill
7.01.95-6.30.00	Associate Professor of Psychology, University of North Carolina at Chapel Hill
7.01.89-6.30.95	Assistant Professor of Psychology, University of North Carolina at Chapel Hill

Selected Honors

Fellow, American Psychological Association
 American Council on Education Fellow
 Joseph Gengerelli Outstanding Dissertation Award, University of California, Los Angeles
 James McKeen Cattell Outstanding Dissertation Award, New York Academy of Sciences
 Regents Fellowship, University of California, Los Angeles
 Distinction in the Major, Economics and Mathematics
 Phi Beta Kappa

Selected Leadership and Board Service

Member, Board of Directors, NCAA (July 2016-present)

President, Board of Directors, San Diego State University Research Foundation (2011-present)

Member, Board of Directors, The Campanile Foundation (2011-present)

Chair, Board of Directors, Mountain West Conference (2015-2016)

Member, Board of Directors, Mountain West Conference (2011-present)

Member, Executive Committee, Commission on Access, Diversity and Excellence (CADE), Association of Public and Land-grant Universities (APLU) (2009-present)

Member, Distinguished Alumnus Award Search and Selection Committee, American Association of State Colleges and Universities. (AASCU) (2013-present)

Co-chair, CSU Chancellor's Task Force for a Sustainable Financial Model

Member, President's Commission for the CSU Program for Education and Research in Biotechnology, California State University (2011-present)

Member, Presidents' Council for the Council on Ocean Affairs, Science and Technology, California State University (2011-present)

Member, Chairman's Competitiveness Council (partnership of the San Diego Regional Economic Development Corporation, the San Diego Regional Chamber of Commerce and CONNECT) (2011-present)

Member, Board of Directors, San Diego Regional Economic Development Corporation (2011-present)

Member, Board of Directors, San Diego Regional Chamber of Commerce (2012-present)

Member, Board of Governors, University Club, San Diego, California (2011-present)

Council of Vice Presidents and Deans, UMBC (2008-2011)

Member, Association of Public & Land-grant Universities (APLU) Planning Task Force-Minority Males in Science, Technology, Engineering and Mathematics Initiative (sponsored by the Sloan Foundation) (2010-2011)

Co-Chair, American East Athletic Conference Strategic Planning-Academic Integrity and Achievement subcommittee (2009-2010)

Member, State of Maryland College Success Task Force (2009-2010)

Co-Chair, Steering Committee, UMBC Facilities Master Plan Update (2009-2010)

Chair, Advisory Board, Alex Brown Center for Entrepreneurship (2008- 2011)

Member, University System of Maryland Task Force on Research and Economic Competitiveness (2008-2009)

Member, University System of Maryland-Maryland Association of Community Colleges Joint Leadership Council (2008-2011)

Member, Board of Directors, UMBC Training Enterprises, Inc. (Affiliated not-for-profit corporation that is the sole shareholder in UMBC Training Center LLC, a for-profit, non-credit training center) (2008-2011)

Middle States Commission on Higher Education-Self Study Group, George Washington University (2006-2007)

Southeastern University Research Association (SURA) Board of Trustees Development Committee, (2005-2008)

Co-Chair, Commission on Restructuring the GWU Graduate School of Education and Human Development for 2020 (2007-2008)

Chair, Science & Engineering Building Planning and Program Committee (2006-2007)

Chair, University Committee on Research, George Washington University (2005-2008)

Chair, Research Advisory Council, George Washington University (2005-2008)

Co-Chair, Task Force on Sexual Harassment Policies and Procedures, George Washington University (2004-2005)

Founding Director, Summer Institute on Health Promotion and Disease Prevention in Minority Communities, George Washington University (2002-2004)

Chair, School of Media and Public Affairs Reorganization Implementation Task Force, George Washington University (2003-2004)

Chair, University Task Force on Student Evaluation of Teaching, UNC-Chapel Hill (1998-1999)

Selected Editorial Leadership Roles

Associate Editor – *Journal of Experimental Psychology: Learning Memory and Cognition* (2000-2006)

Associate Editor – *Psychonomic Bulletin & Review* (1998-1999)

Editorial Board Member – *Journal of Experimental Psychology: Learning Memory and Cognition* (1995-1999), (2006-present)

Editorial Board Member – *Memory & Cognition* (1997-2001)

Teaching and Student Mentoring

Ph.D. Students & Post-Doctoral Fellows Trained

Neil Mulligan, Ph.D., Professor, University of North Carolina at Chapel Hill

Richard Durante, Ph.D., President, Observant LLC, Waltham, MA

Tzy-Mey Kuo, Ph.D., Research Analyst, Research Triangle Institute, North Carolina

Jason Arndt, Ph.D., Associate Professor, Middlebury College, Vermont

Julia Fisher, Ph.D., Associate Professor, Coker College, South Carolina

Paul Merritt, Ph.D., Assistant Professor, Clemson University, South Carolina

Whitney Wharton, Post-doctoral Fellow, University of Wisconsin, Madison

Bethany Stangl, Post-doctoral Fellow, National Institutes of Health, National Institute of Alcohol Abuse and Alcoholism, Washington, D.C.

Selected Undergraduate Students Mentored (Published undergraduate research in peer-reviewed scientific journals.)

Benjamin Anderson, Ph.D., Washington University in St. Louis, Cognitive Neuroscience

Eric Jackson, Ph.D., University of Arizona, Clinical Science & Cognitive Neuroscience

Lauren Krieger, M.S., Teachers College of Columbia University, Speech Language Pathology

Kristi Lanning, M.D., Fellow, Anesthesiology and Critical Care Medicine, Johns Hopkins University

Diane Rhodes, Clinical Project Lead, US Therapeutics & Pathogen Reduction, Terumo BCT

Meredith Senholzi, Ph.D., Florida State University, Student Affairs Research

Undergraduate Courses

Introduction to Cognition; Laboratory in Experimental Psychology; Seminar in Human Learning and Memory; Seminar in Applications of Memory Theory; Field Experience; Cognitive Psychopharmacology.

Graduate Courses

Pro-seminar in Cognitive Psychology; Pro-seminar in Memory; Pro-seminar in Quantitative Methods; Advanced Topics in Memory; Seminar in Applications of Memory Theory; Cognitive Psychopharmacology.

Publications (chronological order)

Hirshman, E. (1988). The expectation-violation effect: Paradoxical effects of semantic relatedness. *Journal of Memory and Language*, 27, 40-58.

Hirshman, E. & Bjork, R. (1988). The generation effect: Support for a two-factor theory. *Journal of Experimental Psychology: Learning Memory and Cognition*, 14, 484-494.

Hirshman, E., Whelley, M., & Palij, M. (1989). An investigation of paradoxical memory effects.

- Journal of Memory and Language*, 28, 594-609.
- Hirshman, E., Snodgrass, J., Mindes, J., & Feenan, K. (1990). Conceptual priming in fragment completion. *Journal of Experimental Psychology: Learning Memory and Cognition*, 16, 634-647.
- Hirshman, E. & Mulligan, N. (1991). Perceptual interference improves explicit memory, but does not enhance data-driven processing. *Journal of Experimental Psychology: Learning Memory and Cognition*, 17, 507-513.
- Snodgrass, J. & Hirshman, E. (1991). Theoretical explorations of the Bruner-Potter interference effect. *Journal of Memory and Language*, 30, 273-293.
- Hirshman, E. & Durante, R. (1992). Prime identification and semantic priming. *Journal of Experimental Psychology: Learning Memory and Cognition*, 18, 255-265.
- Hirshman, E. & Palij, M. (1992). Rehearsal and the word frequency effect in recognition memory. *Journal of Memory and Language*, 31, 477-484.
- Hirshman, E., Burns, D., & Kuo, T. (1993). Examining a processing-tradeoff explanation of proactive interference effects. *Memory and Cognition*, 21, 5-10.
- Snodgrass, J. & Hirshman, E. (1994). Dissociations among implicit and explicit memory tasks: The role of stimulus similarity. *Journal of Experimental Psychology: Learning Memory and Cognition*, 20, 150-160.
- Durante, R. & Hirshman, E. (1994). Retrospective priming and masked semantic priming: The interfering effects of prime activation. *Journal of Memory and Language*, 33, 112-127.
- Hirshman, E., Trembath, D., & Mulligan, N. (1994). Theoretical implications of the mnemonic benefits of perceptual interference. *Journal of Experimental Psychology: Learning Memory and Cognition*, 20, 608-620.
- Hirshman, E. (1995). Decision processes in recognition memory: Criterion shifts and the list strength paradigm. *Journal of Experimental Psychology: Learning Memory and Cognition*, 21, 302-313.
- Mulligan, N. & Hirshman, E. (1995). Speed-accuracy tradeoffs and the dual-process model of recognition memory. *Journal of Memory and Language*, 34, 1-18.
- Kuo, T & Hirshman, E. (1996). Investigations of the testing effect. *American Journal of Psychology*, 109, 451-464.
- Snodgrass, J.G., Hirshman, E., & Fan, J. (1996). The sensory match effect in recognition memory: Perceptual fluency or episodic trace? *Memory & Cognition*, 24, 367-383.
- Hirshman, E. & Jackson, E. (1997). Distinctive perceptual processing and memory. *Journal of Memory and Language*, 36, 2-12.
- Hirshman, E. & Master, S. (1997). Modeling the conscious correlates of recognition memory: Reflections on the remember-know paradigm. *Memory & Cognition*, 25, 345-352.
- Kuo, T. & Hirshman, E. (1997). The role of distinctive perceptual information in memory: Studies of the testing effect. *Journal of Memory and Language*, 36, 188- 201.
- Mulligan, N.W. & Hirshman, E. (1997). Measuring the bases of recognition memory: An investigation of the process-dissociation framework. *Journal of Experimental Psychology: Learning Memory and Cognition*, 23, 280-304.

- Hirshman, E. & Master, S. (1997). Examining the role of word recognition in synonymy judgment. *Psychological Research*, *59*, 213-219.
- Hirshman, E. & Arndt, J. (1997). Discriminating alternative conceptions of false recognition: The Cases of word frequency and word concreteness. *Journal of Experimental Psychology: Learning Memory and Cognition*, *23*, 1306-1323.
- David, P. & Hirshman, E. (1998). Dual-mode presentation and its effect on implicit and explicit memory. *American Journal of Psychology*, *111*, 77-87.
- Hirshman, E. & Henzler, A. (1998). The role of decision processes in conscious memory. *Psychological Science*, *9*, 61-64.
- Hirshman, E. (1998). On the logic of testing the independence assumption in the process-dissociation procedure. *Memory & Cognition*, *26*, 857-860.
- Benjamin, A., Bjork, R., & Hirshman, E. (1998). Predicting the future and reconstructing the past: A Bayesian characterization of the utility of subjective fluency. *Acta Psychologica*, *98*, 267-290.
- Hirshman, E. (1998). On the utility of the signal detection model of the remember-know paradigm. *Consciousness and Cognition*, *7*, 103-107.
- Arndt, J. & Hirshman, E. (1998). Examining the bases of true and false recognition in Minerva2: Explanations from a global matching perspective. *Journal of Memory and Language*, *39*, 371-391.
- Hirshman, E. (1998). A national study of private fundraising for graduate fellowships. *CASE Currents*, *July-August*, 54-60.
- Hirshman, E. & Lanning, K. (1999). Is there a special association between self-judgments and conscious recollection? *Applied Cognitive Psychology*, *13*, 29-42.
- Hirshman, E., Passannante, A., & Arndt, J. (1999). The effect of midazolam on the modality-match effect in implicit memory. *Cognitive Brain Research*, *7*, 473-479.
- Hirshman, E., Passannante, A., & Henzler, A. (1999). The influence of midazolam on implicit memory tests. *Brain & Cognition*, *41*, 351-364.
- Hirshman, E. & Hostetter, M. (2000). Using ROC curves to test models of recognition memory. *Memory & Cognition*, *28*, 161-166.
- Wickens, T. D. & Hirshman, E. (2000). False memories and statistical decision theory. *Psychological Review*, *107*, 377-383.
- Hirshman, E. (2001). Elaboration in Memory. In N. J. Smelser & P. B. Baltes (Eds.), Walter Kintsch (Section Editor, Cognitive Psychology and Cognitive Science), *International Encyclopedia of the Social and Behavioral Sciences*. (pp. 4369-4374). Oxford, United Kingdom: Pergamon.
- Hirshman, E., Passannante, A., & Arndt, J. (2001). Midazolam amnesia and conceptual processing in implicit memory. *Journal of Experimental Psychology: General*, *130*, 453-465.
- Hirshman, E., Lanning, K., Master, S., & Henzler, A. (2002). Signal detection models as tools for interpreting judgments of recollection. *Applied Cognitive Psychology*, *16*, 151-156.
- Hirshman, E., Fisher, J., Henthorn, T., Arndt, J., & Passannante, A. (2002). Midazolam amnesia and dual-process models of the word-frequency mirror effect. *Journal of Memory and Language*, *47*, 499-516.

- Hirshman, E., Wells, E., Wierman, M., Anderson, B., Butler, A., Senholzi, M., & Fisher, J. (2003). The effect of dehydroepiandrosterone on recognition memory discrimination and decision processes in post-menopausal women. *Psychonomic Bulletin & Review*, *10*, 125-134.
- Hirshman, E., Fisher, J., Henthorn, T., Arndt, J., & Passannante, A. (2003). The effect of midazolam on conscious, controlled processing: Evidence from the process-dissociation procedure. *Memory & Cognition*, *31*, 1181-1187.
- Hirshman, E., Fisher, J., Henthorn, T., Arndt, J., & Passannante, A. (2003). Midazolam amnesia and retrieval from semantic memory. *Brain & Cognition*, *53*, 427-432.
- Mintzer, M., Hirshman, E., & Griffiths, G. (2003). A paradoxical dissociation in the effects of midazolam on conscious and unconscious processes in the process dissociation procedure. *American Journal of Psychology*, *116*, 213-237.
- Arndt, J., Hirshman, E. & Passannante, A. (2004). The effect of midazolam on implicit and explicit memory in category exemplar production and category cued recall. *Memory*, *12*, 158-173.
- Hirshman, E. (2004). Drawing ordinal inferences in the process-dissociation procedure. *Psychological Review*, *111*, 553-560.
- Hirshman, E., Rhodes, D., Zinser, M., & Merritt, P. (2004). The effect of tobacco abstinence on recognition memory, digit span recall and attentional vigilance. *Experimental and Clinical Psychopharmacology*, *12*, 76-83.
- Hirshman, E., Merritt, P., Wang, C., Wierman, M., Budescu, D., Kohrt, W., ... Bhasin, S. (2004). Androgenic and estrogenic metabolites influence the effects of dehydroepiandrosterone (DHEA) on cognition in post-menopausal women. *Hormones & Behavior*, *45*, 144-155.
- Hirshman, E. (2004). The psychopharmacology of memory and cognition: Promises, pitfalls and a methodological framework. *Psychology of Learning and Motivation*, *45*, 253-273.
- Merritt, P., Hirshman, E., Hsu, J., & Berrigan, M. (2005). Metamemory without the memory: Are people aware of midazolam-induced amnesia? *Psychopharmacology*, *177*, (3) 336-343.
- Fisher, J., Hirshman, E., Henthorn, T., Passannante, A., & Arndt, J. (2006). Midazolam amnesia and short-term/working memory processes. *Consciousness and Cognition*, *15*, 54-63.
- Wharton, W., Hirshman, E., Merritt, P., Stangl, B., Scanlin, K., & Krieger, L. (2006). Lower blood pressure correlates with poorer performance in visuospatial attention tasks in younger individuals. *Biological Psychology*, *73* (3), 227-234.
- Merritt, P., Hirshman, E., Zamani, S., Hsu, J., & Berrigan, M. (2006). Episodic representations support early semantic learning: Evidence from midazolam-induced amnesia. *Brain and Cognition*, *61*, 219-223.
- Curran, T., DeBuse, C., Woroch, B., & Hirshman, E. (2006). Combined pharmacological and electrophysiological dissociation of familiarity and recollection. *Journal of Neuroscience*, *26*(7), 1979-1985.
- Merritt, P., Hirshman, E., Wharton, W., Stangl, B., Devlin, J., & Lenz, A. (2007). Evidence for gender differences in visual selective attention. *Personality and Individual Differences*, *43*, 597-609.
- Wharton, W., Hirshman, E., Merritt, P., Doyle, L., Paris, S., & Gleason, C. (2008). Oral

contraceptives and androgenicity: Influences on visuospatial task performance in younger individuals. *Experimental and Clinical Psychopharmacology*, 16, 156-164.

Stangl, B., Hirshman, E., & Verbalis, J. (2010). Administration of dehydroepiandrosterone (DHEA) increases serum levels of androgens and estrogens but does not enhance recognition memory in post-menopausal women. In Aaron S. Benjamin (Ed.), *Successful Remembering and Successful Forgetting: A Festschrift in Honor of Robert A. Bjork* (pp. 463-476). Abingdon, United Kingdom: Psychology Press.

Merritt, P., Cobb, A., Hirshman, E., & Moissinac, L. (2010). Evidence that episodic memory impairment during tobacco abstinence is independent of attentional mechanisms. *Journal of General Psychology*, 137(4), 1-12.

Ponjaun, L., Gasman, M., Hirshman, E., & Esters, L. (2011). A New Hope: Recruiting and Retaining the Next Generation of Faculty of Color. *Association of Public & Land-Grant Universities: Commission on Access, Diversity and Excellence Issue Brief*.

Hirshman, E. & Hrabowski, F. (2011). The Imperative of Institutional Culture Change. *Chronicle of Higher Education*. Retrieved from <http://chronicle.com/article/Meet-Societal-Challenges-by/125937/>

Stangl, B., Hirshman, E., & Verbalis, J. (2011). Administration of dehydroepiandrosterone (DHEA) enhances visual-spatial processing in post-menopausal women. *Behavioral Neuroscience*, 125(5), 742-752.

Grants

“Effectiveness and Institutionalization of Retention Activities for Scholarship Programs,” National Science Foundation, 10.01.10-9.30.12, \$1,230,819

“Promise: Maryland’s Alliance for Graduate Education and the Professoriate,” National Science Foundation, 9.16.08-7.01.11, \$1,500,000

“Sex steroids and cognition in post-menopausal women,” National Institutes of Health, 9.01.06-8.31.10, \$665,017

“Using midazolam to explore the nature of implicit memory,” National Science Foundation, 4.01.00-3.31.04, \$305,000

“Decision Processes in Recognition Memory,” National Science Foundation, 2.01.95-12.31.98, \$165,000

“A placebo-controlled study of the effect of hormonal replacement using dehydroepiandrosterone on learning and memory in post-menopausal women,” Cognitive Science Program, UNC-Chapel Hill, 1999, \$7,500

“A placebo-controlled study of the effect of hormonal replacement using dehydroepiandrosterone on learning and memory in post-menopausal women,” University Research Council, 1/00-12/00, \$2,000 Research Development Grant, The Arts and Sciences Foundation, UNC-Chapel Hill, April-December 1996, \$700

“Relating Memory and Perception,” University Research Council, UNC-Chapel Hill, July 1994-June 1995, \$2,125

“Examining the Effect of Perceptual Degradation,” University Research Council, UNC-Chapel Hill, July 1993-June 1994, \$2,000

“Evaluating Perceptual Mnemonics,” University Research Council, UNC-Chapel Hill, July 1992-June 1993, \$1,000

“Examining the Encoding Specificity Hypothesis,” University Research Council, UNC-Chapel Hill, July 1991-June 1992, \$1,500

“Prime Identification and Semantic Priming,” Junior Faculty Development Award, July 1990-June 1991, \$3,000

Selected Presentations (chronological order)

“A Two-Factor Theory of the Generation Effect,” Cognitive Area Colloquium, University of California, Los Angeles, Psychonomic Society, 1986.

“Expectation-Violation Effects: Paradoxical Effects of Semantic Relatedness,” Hirshman, E. & Bjork, R.A., Cognitive Area Colloquium, New York University, 1987.

“Expectation-Violation Effects: Paradoxical Effects of Semantic Relatedness,” New York Academy of Sciences, Cattell Award lecture, 1987.

“A Model of Word Recognition,” Department Colloquium, State University of New York, Binghamton, 1987.

“A Model of Word Recognition,” Cognitive Area Colloquium, Columbia University, 1987.

“A Model of Word Recognition and Word Memory,” Department Colloquium, State University of New York at Stony Brook, 1988.

“A Model of Word Recognition and Word Memory,” Department Colloquium, Louisiana State University, 1988.

“A Model of Word Recognition and Word Memory,” Cognitive Area Colloquium, Purdue University, 1988.

“A Model of Word Recognition and Word Memory,” Quantitative/Cognitive Area Colloquium, University of North Carolina at Chapel Hill, 1988.

“A Model of Word Recognition and Word Memory,” Cognitive Area Colloquium, Ohio State University, 1988.

“A Model of Word Recognition and Word Memory,” Cognitive Area Colloquium, State University of New York at Albany, 1988.

“A Model of Word Recognition and Word Memory,” Cognitive Area Colloquium, City University of New York, 1988.

“Perceptual Learning in the Bruner-Potter (1964) Perceptual Interference Effect,” Snodgrass, J.G. & Hirshman, E., 22nd annual mathematical psychology meeting, Irvine, CA, 1989.

“Conceptual Priming in Fragment Completion,” Carolina Cognition Group, Davidson, NC, 1989.

“Perception and Memory of Pictures,” Snodgrass, J.G. & Hirshman, E., Air Force Conference on Cognition, Washington, D.C., 1989.

- “Empirical Tests of a Connectionist Model of Memory,” Cognitive Area Colloquium, University of North Carolina at Chapel Hill, 1989.
- “The Effects of Perceptual Noise on Memory Encoding,” Eastern Psychological Association meeting, Philadelphia, PA, 1990.
- “A Model-Based Examination of the Encoding-Specificity Hypothesis,” 24th annual mathematical psychology meeting, Bloomington, IN, 1991.
- “Perceptual Interference and Explicit Memory,” Psychonomic Society, San Francisco, CA, 1991.
- “Perceptual Interference and Memory,” Department Colloquium, University of Arizona, Tucson, AZ, 1992.
- “Exploring the Unconscious Components of Memory,” Department Colloquium, Wake Forest University, Winston-Salem, NC, 1992.
- “Decision Processes in Recognition Memory: The Case of Multiple Target Distributions,” Psychonomic Society, St. Louis, MO, 1992.
- “Speed-Accuracy Tradeoffs and the Dual Process Model of Recognition Memory,” Neil Mulligan & Elliot Hirshman, Southeastern Psychological Association, Atlanta, GA, 1993.
- “Theoretical Implications of the Mnemonic Benefits of Perceptual Interference,” Experimental Area Seminar, New York University, New York, NY, 1993.
- “Retrospective Priming and Masked Semantic Priming: The Interfering Effects of Prime Activation,” Richard Durante & Elliot Hirshman, Eastern Psychological Association, Arlington, VA, 1993.
- “Speed-Accuracy Tradeoffs and the Dual-Process Model of Recognition Memory,” Neil Mulligan & Elliot Hirshman, Psychonomic Society, Washington, D.C., 1993.
- “Decision Processes in Recognition Memory,” Cognitive Area Seminar, University of North Carolina at Chapel Hill, 1993.
- “Uses of Attention in a Cascade Model: Implications for Perception and Memory,” Department Colloquium, The University at Albany SUNY, 1993.
- “Inhibitory Effects of Neighborhood Density,” Rich Durante & Elliot Hirshman, North Carolina Cognition Group, Winston-Salem, NC, 1994.
- “Measuring the Bases of Recognition Memory,” Neil Mulligan & Elliot Hirshman, North Carolina Cognition Group, Winston-Salem, NC, 1994.
- Discussant, “Components of Information Processing Symposium,” Eastern Psychological Association, Providence, RI, 1994.
- “Measuring the Bases of Recognition Memory: Investigating the Process Dissociation Framework,” Neil Mulligan & Elliot Hirshman, American Psychological Society, Washington, D.C., 1994.
- “Characterizing Retrieval Processing,” Tzy Mey Kuo & Elliot Hirshman, American Psychological Society, Washington, D.C., 1994.
- “Is Generation Different from Elaboration?” Psychonomic Society, St. Louis, MO, 1994.
- “The Role of Perceptual Fluency in Recognition Memory,” Psychonomic Society, St. Louis, MO, 1994.
- “Decision Processes in Recognition Memory,” Department Colloquium, North Carolina State

- University, Raleigh, NC, 1995.
- “The Role of Encoding Condition in the Mirror Effect,” Psychonomic Society, Los Angeles, CA, 1995.
- “A Model of Decision Processes in Recognition Memory,” Psychological Roundtable, New Brunswick, NJ, 1995.
- “Discriminating Alternative Conceptions of False Recognition,” North Carolina Cognition Conference, Greensboro, NC, 1996.
- “Dual Process Models of Recognition Memory,” International Conference on Memory, Padova, Italy, 1996.
- “A Single-Process Model of the Remember-Know Paradigm,” Society for Mathematical Psychology Chapel Hill, NC, 1996.
- “The Role of the Self in Conscious Recollection,” Psychonomic Society, Chicago, IL, 1996.
- “Creating Temporary Amnesiacs to Study the Role of Explicit Retrieval in Implicit Memory,” Cognitive Area Seminar, University of North Carolina at Chapel Hill, 1997.
- “Applying MINERVA2 to False Recognition,” Psychonomic Society, Philadelphia, PA, 1997.
- “The Influence of Midazolam on the Modality-Match Effect,” Psychonomic Society, Dallas, TX, 1998.
- “The Influence of Midazolam on the Modality-Match Effect,” North Carolina Cognition Conference, Raleigh, NC, 1999.
- “Is There Implicit Memory for Semantic Associations?” North Carolina Cognition Conference, Raleigh, NC, 1999.
- “Midazolam and the Influence of Conceptual Processing on Implicit Memory Tests,” Psychonomic Society, Los Angeles, CA, 1999.
- “The Effect of Dehydroepiandrosterone on Recognition Memory Discrimination and Decision processes in post-menopausal women,” Institute of Cognitive Science, University of Colorado at Boulder, 2000.
- “The Effect of Dehydroepiandrosterone on Recognition Memory in Post-Menopausal Women,” Psychonomic Society, New Orleans, LA, 2000.
- “Successful Strategies for Winning Grants: Grant Guidelines,” Division of Sponsored Programs, University of Colorado at Denver, 2000.
- “Pharmacological Amnesia and Dual-Process Models of the Mirror Effect,” Annual Interdisciplinary Conference, Jackson Hole, WY, 2001.
- “The Effect of Dehydroepiandrosterone on Recognition Memory in Post-Menopausal Women,” Rocky Mountain Psychological Association, Invited Address Ellis- Battig Symposium, Reno, NV, 2001.
- “The Effect of Dehydroepiandrosterone on Recognition Memory in Post-Menopausal Women,” Department of Psychology, Colorado State University, Fort Collins, CO, 2001.
- “Midazolam Amnesia and Conceptual Implicit Memory,” Psychonomic Society Meeting, Orlando, FL, 2001.

- “Pharmacology and the Dynamics of Recognition Memory Judgments,” Keynote Address: North Carolina Cognition Conference, Chapel Hill, NC, 2002.
- “Using Pharmacological Amnesia to Study the Nature of Conscious and Unconscious Memory,” Cognitive Science Program, Indiana University, Invited Colloquium, 2002.
- “The Effect of Midazolam on Performance in the Exclusion and Inclusion Tasks,” Psychonomic Society Meeting, Kansas City, MO, 2002.
- “Using Pharmacological Amnesia to Study the Nature of Conscious and Unconscious Memory,” Cognitive Psychology Program Invited Colloquium, University of Maryland, 2002.
- “Midazolam Amnesia and Dual-Process Models of the Mirror Effect,” Invited Address, Eastern Psychological Association, Baltimore, MD, 2003.
- “Meta-Memory without the Memory: The Effect of Midazolam on Judgments of Learning,” Psychonomic Society Meeting, Vancouver, WA, 2003.
- “Estrogenic and Androgenic Metabolites of Dehydroepiandrosterone (DHEA) Influence Cognition in Post-Menopausal Women,” Conference on Human Development, Washington, D.C., 2004.
- “Midazolam Amnesia and Cognitive Specificity,” Annual Summer Inter-disciplinary Conference, Cavalese, Italy, 2004.
- “Biological Systems Variables and Cognitive Gender Differences,” Department of Psychology, University of Nevada, Reno, NV, 2004
- “Psychopharmacology of Memory and Cognition: An Introduction for Reporters,” Knight Center for Specialized Journalism, University of Maryland, College Park, MD, 2004.
- “Biological Systems Variables and Cognitive Gender Differences,” Neural and Cognitive Sciences Program, University of Maryland, College Park, MD, 2004.
- “Bringing Research to the Classroom: Experimental and Data-Intensive Social Sciences,” The Reinvention Conference: Integrating Research into Undergraduate Education (W. Frawley & E. Hirshman, Moderators), Washington, D.C., 2004.
- “Biological Systems Variables and Cognitive Gender Differences,” Psychonomic Society Conference, Minneapolis, MN, 2004.
- “Biological Systems Variables and Cognitive Gender Differences,” Department of Physiology and Pharmacology-George Washington University Medical Center, Washington, D.C., 2005.
- “Negotiating Skills: Creating Win-Win Situations,” Division of Advancement Annual Retreat-George Washington University, Hume, VA, 2005.
- “Cognitive Correlates of Midazolam Amnesia: Implications for Theories of Memory,” Association for Psychological Science, New York, NY, 2006.
- “Episodic Representations Support Early Semantic Learning: Evidence from Midazolam-Induced amnesia,” (with Paul Merritt) Association for Psychological Science, New York, NY, 2006.
- “Lower Blood Pressure Correlates with Poorer Performance on Visual-Spatial Attention Tasks in Young Adults,” (with Whitney Wharton) Psychonomic Society, Houston, TX, 2006.
- “Lower Blood Pressure Correlates with Poorer Performance on Visual-Spatial Attention Tasks in Young Adults,” (with Whitney Wharton) Association for Psychological Science, Washington, D.C., 2007.

- “Mediation of Sexually Dimorphic Cognitive Task Performance: An Examination of Hormonal Contraceptives,” (with Whitney Wharton) Psychonomic Society, San Diego, CA, 2007.
- “The Effect of Dehydroepiandrosterone (DHEA) on Verbal Memory in Post-Menopausal Women,” (with Bethany Stangl) Psychonomic Society, Chicago, IL, 2008.
- “Dehydroepiandrosterone (DHEA), Sex Steroids, and Recognition Memory in Post-Menopausal Women,” Festschrift for Professor Robert A. Bjork, Los Angeles, CA, 2009.
- “Evidence that Episodic Memory Impairment During Tobacco Abstinence is Independent of Attentional Mechanisms,” Merritt, P., Cobb, A., Moissinac, L., Hirshman, E. & Cook, G., Proceedings of the Society for Research on Nicotine & Tobacco, USA & Europe [15,66], Dublin, Ireland.
- “The Effect of Dehydroepiandrosterone (DHEA) on Verbal Short-Term Memory,” (with Bethany Stangl) Psychonomic Society, Boston, MA, 2009.
- “Diversifying the Professoriate,” Commission on Access, Diversity and Excellence (CADE), Denver, CO, 2010.
- “Diploma to Degree: Promoting Concurrent Student Success in High School and College,” (with Mark McMolloch) Middle States Regional Forum, Washington, D.C., 2010.
- “DHEA Enhances Perceptual Identification, Fragment Completion and Mental Rotation in Post-Menopausal Women,” Psychonomic Society, St. Louis, MO, 2010.
- “Enabling Broader Engagement and Workforce Development,” National Science Foundation, Arlington, VA, 2010.

Additional Administrative Service

University Service, University of North Carolina at Chapel Hill

Special Assistant to the Provost (1998-1999)

Chair, University Task Force on Student Evaluation of Teaching

Staff Assistant, Provost’s Task Force on Allocation of Tuition Remission

Conducted National Best Practices Study of Private Fundraising for Student Fellowships (published in *Currents*, the magazine of the Council for Advancement and Support of Education)

Staff Assistant, Chancellor’s Advisory Committee, Subcommittee on Post-Tenure Review

Academic Affairs Representative, University Records Committee

Campus Coordinator, Professional Development Workshop for Female Faculty (in conjunction with the American Council on Education)

University Liaison to the American Academy of Liberal Education’s Curriculum Development Project

Jesse Ball DuPont Fellowship Selection Committee

Department of Psychology, University of North Carolina at Chapel Hill

Strategic Planning Committee
 Chair, Colloquium Committee
 Committee on the Development of Cognitive Science
 Planning Committee-North Carolina Cognition Group
 Organizing Committee-Mathematical Society Meeting
 Faculty Recruiting Committee for Cognitive Psychology and Clinical Psychology
 Admissions Committee for Cognitive Psychology
 Chair, State Employees Combined Campaign
 Personnel Committee (Promotion and Tenure)
 Reappointment Review Committee
 Harriet Reingold Award Selection Committee

University of Colorado at Denver

Advisory Committee on Ethnic Studies

George Washington University

Dean's Science Advisory Committee
 Undergraduate Research Council-CCAS
 Anthropology Search Committee (Hominid Paleo-biology)
 Associate Vice President for Research Search Committee
 Host-Clinical Psychology Accreditation Visit
 Member Manatt-Trachtenberg Prize Selection Committee (2003-2004, 2004-2005)
 Director of Finance, Columbian College of Arts & Sciences-Search Committee
 Suinn Minority Achievement Award, Department's Clinical program
 Psychology Doctoral Program ranked as top 5 program at GW (Doctoral program review fall 2004)
 Advisory Board Member, Student and Academic Support Services Research consortium
 Member, Executive Vice President for Academic Affairs, Virginia Campus Advisory Group
 Member, Executive Research Oversight Committee
 Member, Science and Technology Cabinet, Loudoun County Office of Economic Development

Co-Chair, Working Group on the Office of Naval Research Corrective Action Plan on Procurement and Fixed Assets (spring 2007)

Additional Editorial/Reviewer Service

Acta Psychologica

American Journal of Psychology

Anesthesiology

Behavior Research Methods, Instruments, & Computers

Biological Psychology

British Journal of Psychology

Cahiers de Psychologie Cognitive (Current Psychology of Cognition)

Consciousness and Cognition

Developmental Psychology

Quarterly Journal of Experimental Psychology: Human Experimental Psychology

Journal of Experimental Psychology: General

Journal of Experimental Psychology: Human Perception and Performance

Journal of Memory & Language

Memory

Memory & Cognition

Proceedings of the National Academy of Sciences

Progress in Neuro-Psychopharmacology & Biological Psychiatry

Psychological Bulletin

Psychological Methods

Psychological Review

Psychological Science

Psychological Science in the Public Interest

Psychonomic Bulletin & Review

Psychopharmacology

Trends in Cognitive Science

Middle States Commission on Higher Education, Reviewer, Periodic Review Report

External Evaluations of Promotion and Tenure

Brandeis University

Duke University
Union College
University of California, Los Angeles
University of California (Distinguished Professor Recognition)
University of Illinois

Funding Agency Panels

Council of Graduate Department of Psychology/American Psychological Foundation
(Graduate Awards)
Dutch Social Science Research Council (Open Program)
National Institute of Mental Health (BBBBP-4 Program)
National Science Foundation (Human Cognition and Perception Program)
National Science Foundation (Cognitive Neuroscience Program)
The Wellcome Trust (Neuroscience and Mental Health Program)