

## CURRICULUM VITAE

**Valerie F. Reyna**

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## **EDUCATION**

Rockefeller University, New York, New York, Ph.D., Experimental Psychology, also  
 qualifications in Linguistics and in Statistics, 1976-1981.

Clark University, Worcester, Massachusetts, B.A., Psychology, Summa Cum Laude, 1973-1976.

## **EMPLOYMENT**

### **Administrative Appointments**

Director, Human Neuroscience Institute, Cornell University, 2013-Present.

Co-Director, Cornell University Magnetic Resonance Imaging Facility, Cornell University,  
 2011-Present.

Co-Director, Center for Behavioral Economics and Decision Research, Cornell University, 2006-  
 Present.

Executive Committee, Judgment, Decision Making, and Social Behavior Project, Institute for  
 Social Sciences, Cornell University, Ithaca, New York, 2009-2012.

Director of Extension, Department of Human Development, Cornell University, Ithaca, New  
 York, 2005-Present.

Director, Laboratory for Rational Decision Making, Cornell University, 2005-Present.

Director, Center for Psychological Science, Law, and Security, University of Texas at Arlington,  
 2004-2005.

Director, Laboratory for Rational Decision Making, University of Texas at Arlington, 2003-  
 2005.

Research Core Director, Center of Excellence in Women's Health, Arizona Health Sciences  
 Center, College of Medicine, Nursing, Pharmacy and Public Health, University of Arizona,  
 2001; 2003.

Senior Research Advisor to the Assistant Secretary, Office of Educational Research and  
 Improvement (subsequently, the Institute of Education Sciences) overseeing all research  
 programs and policies, United States Department of Education, 2001-2003.

Director, Division of Learning, Technology, and Assessment, Arizona Research Laboratories,  
 Office of the Vice President for Research, University of Arizona, 1997-2003.

Director, Informatics and Decision Making Laboratory, College of Medicine, University of Arizona, 1996-2003.

Director, Biopsychosocial Core, National Institutes of Health Center, Department of Pediatrics, University of Arizona, 1998-2001.

## **Faculty Appointments**

Professor, Department of Healthcare Policy and Research (Public Health), Division of Comparative Effectiveness and Outcomes Research, Weill Cornell Medical College, New York City, New York, 2011-Present.

Professor, Department of Human Development, Department of Psychology, Cognitive Science Program, Neuroscience Program, and Center for Behavioral Economics and Decision Research, Cornell University, Ithaca, New York, 2005-Present.

Faculty Affiliate, Bronfenbrenner Center for Translational Research, Cornell University, Ithaca, New York, 2012-Present.

Faculty Affiliate, Cornell Population Program, Cornell University, Ithaca, New York, 2007-Present.

Professor, Department of Psychology, University of Texas at Arlington, Arlington, Texas, 2003-2005.

Member, Institute for Research in Security, Department of Computer Science and Engineering, University of Texas at Arlington, Arlington, Texas, 2003-2005.

Professor, Department of Biomedical Engineering, University of Texas at Arlington, Arlington, Texas, 2004-2005.

Professor, Arizona Cancer Center, University of Arizona, Tucson, Arizona, 2002-Present.

Professor, College of Public Health, Division of Health Promotion Sciences, University of Arizona, Tucson, Arizona, 2001-2003.

Professor, Department of Surgery, Medicine, Biomedical Engineering, Mexican-American Studies, and Women's Studies, University of Arizona, Tucson, Arizona, 2000-2003.

Professor, Department of Pediatrics, College of Medicine, University of Arizona, Tucson, Arizona, 1998-2001.

Professor, Telemedicine Program, College of Medicine, University of Arizona, Tucson, Arizona, 1996-2003.

Associate Professor, Department of Surgery and in Medicine, University of Arizona, Tucson, Arizona, 1996-2000.

Associate Professor, Department of Mexican-American Studies, University of Arizona, Tucson, Arizona, 1999-2000.

Associate Professor, Biomedical Engineering Program, University of Arizona, Tucson, Arizona, Associate, 1997-2000.

Associate Professor, Department of Women's Studies, University of Arizona, Tucson, Arizona, 1994-2000.

Associate Professor, Department of Educational Psychology, University of Arizona, Tucson, Arizona, 1992-1996.

Assistant Professor, Department of Educational Psychology, University of Arizona, Tucson, Arizona, 1989-1992.

Adjunct Assistant Professor, Department of Educational Psychology, University of Arizona, Tucson, Arizona, 1988-1989.

Adjunct Research Associate, Department of Management and Policy, University of Arizona, Tucson, Arizona, Decision Behavior Group, 1987-1988.

Assistant Professor, Department of Psychology, University of Texas at Dallas, Richardson, Texas, 1981-1987.

Visiting Scholar, Department of Psychology, Stanford University, Stanford, California, 1982-1983.

Postdoctoral Fellow, Language and Cognition, Educational Testing Service, Princeton, New Jersey, 1980-1981.

## **FELLOWSHIPS IN LEARNED SOCIETIES**

American Association for the Advancement of Science

American Psychological Association

Division 3-Experimental Psychology

Division 7-Developmental Psychology

Division 15-Educational Psychology

Division 38-Health Psychology

American Psychological Society/Association for Psychological Science

## **MEMBERSHIPS IN LEARNED SOCIETIES**

American Association for the Advancement of Science

American Psychological Association

American Psychological Society, Charter fellow

Flux: The Society for Developmental Cognitive Neuroscience, Member

Judgment and Decision Making Society, Charter member

Psychonomic Society, Full Member

Sigma Xi, Full member

Society for Medical Decision Making

Society for Neuroeconomics

Society for Research in Child Development

## **HONORS AND DISTINCTIONS**

Appointed to National/International Boards and Committees (see section below)

Research reported in the local, national, and international media (see section below)

Appointed to the Steering Committee, National Security Decadal Summit of the Board on Behavior, Cognition, and Sensory Sciences and the Social and Behavioral Sciences, which set the research agenda for the behavioral and social sciences and national security, National Academy of Sciences, 2016-present.

Invited speaker, National Academy of Sciences, Science and Entertainment Writers' Retreat, among a handful of top scientists from different disciplines selected to present their research to screenwriters to foster communicating a realistic picture of science and scientists to members of the public, September 5-7, 2016.

Appointed to the Committee on Pain Management and Regulatory Strategies to Address Prescription Opioid Abuse of the Health and Medicine Division of the National

- Academies of Sciences, Engineering, and Medicine, which will develop a report informing the U.S. Food and Drug Administration (FDA) as to the state of the science regarding prescription opioid abuse and misuse, including prevention, National Academy of Sciences, 2016-present.
- Invited keynote speaker, Cross Program Conference, University of Illinois at Chicago, Chicago, IL, March 31, 2017.
- Invited address, Cognitive Sciences Institute on Reasoning, “A Fuzzy Trace Theory of Risky Decision Making: Why Reasoning is More like Poetry than Logic,” University of Quebec, Montreal, Quebec, Canada, June 21, 2016.
- Invited speaker, 64<sup>th</sup> Annual Nebraska Symposium on Motivation, “Impulsivity: How Time and Risk Influence Decision Making,” University of Nebraska, Lincoln, NE, April 21-22, 2016.
- Elected a member of the National Academy of Medicine, National Academy of Sciences, 2015.
- Elected a Fellow of the Society of Experimental Psychologists, the oldest and most prestigious honorary society in experimental psychology, 2014.
- Appointed a member of the Council of Representatives of the Federation of Associations in Behavioral & Brain Sciences (FABBS), 2014-present.
- Appointed to the National Academy of Sciences; Economic Decision Making in Aging Populations Committee (expert panel), 2013-2014.
- Appointed Network Scholar of the MacArthur Foundation Research Network on Law and Neuroscience, 2013-2016.
- Appointed to the Advisory (steering) Committee, National Research Council’s Division of Behavioral and Social Sciences and Education which oversees 10 boards and standing committees, National Academy of Sciences, 2015-2018.
- Recipient of the SUNY Chancellor’s Award for Excellence in Scholarship and Creative Activities (a statewide award in recognition of excellence in research), April 18, 2012.
- Invited speaker, *A Fuzzy-Trace Theory of Risky Decision Making Across the Lifespan*, University of Memphis, Memphis, TN, February 11, 2015.
- Appointed to the Advisory Committee of the Edward R. Roybal Center (1 of 12 National Institutes of Health Centers on Aging), Cornell University, 2014-present.
- Invited keynote speaker, 53<sup>rd</sup> Edwards Bayesian Research Conference, *Ward Edwards Memorial Lecture*, Fullerton, CA, March 13-14, 2015.
- Invited inaugural speaker for a new speaker series at the Max Planck Institute focusing on the cross section of life-span development and decision-making, *Risky Decision Making Across the Lifespan: A Fuzzy-Trace Theory Approach*. Max Planck Institute for Human Development, Berlin, Germany, December 4, 2014.
- Invited speaker, *A Fuzzy-Trace Theory of Medical Decision Making*, Xerox Research Center, Webster, NY, October 23, 2014.
- Invited speaker, National Academies of Science, *Empowering the Miner: Gaps and Needs—A Meeting of Experts*, National Research Council, Irvine, CA, February 19-20, 2014.
- Invited keynote speaker, 52<sup>nd</sup> Edwards Bayesian Research Conference, *Ward Edwards Memorial Lecture*, Fullerton, CA, February 13-15, 2014.
- Invited speaker, Fourth International Conference on Learning and the Brain, Dana Alliance for Brain Initiatives, Columbia University, Yale University, and Johns Hopkins University School of Education joint conference, *Teaching Thinking Brains*, New York, NY, May 8-10, 2014.

- Appointed to the Program Planning Committee of the North American Annual Meeting, Society for Medical Decision Making, 2013-2014.
- Elected to the Governing Board of the Psychonomic Society; Chief Scientific Liaison; Chair, Communications Committee; Member, Nominations Committee; Member, Program Committee, 2013-present.
- Ranked by Web of Science as one of the most highly cited faculty members in the Department of Human Development and above the 99<sup>th</sup> percentile for scientists worldwide, Cornell University, 2013-present.
- Appointed to the U.S. National Committee for Psychological Science, National Research Council and International Union of Psychological Science, 2013-present.
- Appointed to the Selection Committee for the Hillel Einhorn New Investigator Award, Society for Judgment and Decision Making, 2013-present.
- Appointed to Working Group on Presenting Forensic Science Evidence Using Quantitative and Qualitative Terms, funded by the National Institute of Standards and Technology (NIST) of the U. S. Department of Commerce, Pennsylvania State University, 2012-2014.
- Appointed to the National Academies of Sciences' Board on Behavioral, Cognitive, and Sensory Sciences, 2006-2013.
- Invited speaker, Conference on Decision Making and Emotion Regulation in Life Span Transitions, on behalf of the national Behavior Change Research Network, University of California, Berkeley, CA, October 10-13, 2013.
- Invited presenter, Eisenberg Conference Series 2013, "Preparing and Engaging Patients in the Use of Evidence in Shared Decision Making," John M. Eisenberg Center for Clinical Decisions and Communications Science, Gaithersburg, MD, September 12, 2013.
- Grand Rounds, New York University Langone Medical Center, "Risky decision making: A fuzzy-trace framework for understanding the brain." New York University, New York, NY, May 3, 2013.
- Invited speaker, Interdisciplinary Symposium on Decision-Making Research organized around my research, "Decision Analysis, Risk-Taking Behavior, and Healthcare," University of Texas at El Paso, El Paso, TX, February 4, 2013.
- Invited speaker, Third International Conference on Learning and the Brain, Harvard University Graduate School of Education, Boston University School of Education, and Martinos Imaging Center at Massachusetts Institute of Technology joint conference, *Diverse brains: How experience, education, genes and neurons shape learning and disorders*. Boston, MA, November 16, 2012.
- Invited speaker, National Academy of Sciences meeting, *The science of intelligence interrogation*, Washington DC, September 7, 2012.
- Invited to present a plenary address during the American Psychological Association Convention, Orlando, FL, August 2-5, 2012.
- Invited speaker, 7<sup>th</sup> European Workshop on Clinical Reasoning and Decision Making, Fribourg, Switzerland, June 22-24, 2012.
- Invited keynote address speaker, Society for Risk Analysis Europe, Zurich, Switzerland, June 18-20, 2012.
- Invited speaker, National Academy of Sciences' Sackler Colloquium, *The science of science communication*, Washington, DC, May 21-22, 2012.
- Appointed to the Steering Committee, MacArthur Foundation Network for Law and Neuroscience's Group to Individual project, 2011-present.

- Appointed to Roundtable and Advisory Committee, Research Center for Excellence in Clinical Preventive Services, University of North Carolina, Chapel Hill, 2011-present.
- Appointed to Concierge Advisory Committee, Society for Medical Decision Making Methods Concierge Service, 2011-2012.
- Invited speaker, *Decision making competence and the life cycle*, Workshop on the Future of Decision, Risk and Management Sciences, Carnegie Mellon University, Pittsburgh, PA, May 6-7, 2011. (to advise the National Science Foundation)
- Invited to be a Distinguished Fellow of the Sage Center for the Study of the Mind (for interdisciplinary study of the relationship between brain and mind), November 18, 2010; in residence, University of California, Santa Barbara, April, 2012.
- Appointed to the Committee on Values Clarification for International Patient Decision Aids Standards, 2010-2013.
- Selected as Extramural Facilitator for Decision Making, National Institutes of Health program, "OppNet: Expanding Opportunities in Basic Behavioral and Social Science Research," Washington, DC, October 28-29, 2010.
- Invited leader, American Psychological Association, Science Leadership Conference, October 11-14, 2010, Washington, DC.
- Appointed to the U.S. Food and Drug Administration Risk Communication Advisory Committee, 2010-2014.
- Elected President of the Society for Judgment and Decision Making, an interdisciplinary academic organization dedicated to the study of normative, descriptive, and prescriptive theories of decision. Its members include psychologists, economists, organizational researchers, decision analysts, and other decision researchers. Past presidents include Nobel prize winner Daniel Kahneman. 2009-2010; Past President, 2010-2011.
- Invited speaker, National Academy of Sciences, National Cancer Institute Basic and Biobehavioral Research Branch Expert Meeting: Sensory Sciences & Embodied Cognition, August 4-5, 2010.
- Invited speaker, "Big Red by the Bay" and other Cornell Development events, San Francisco, CA, March 18, 2010.
- Appointed to the Presidential Task Force on the Future of Psychological Science as a STEM Discipline, American Psychological Association, 2009-2010.
- Invited expert, Science of Behavior Change Meeting, National Institutes of Health, June 15-16, 2009.
- Appointed to the National Academies of Sciences' Committee on the Science of Adolescence, 2008-2011.
- Selected to serve on an expert panel on decision quality in medicine, Foundation for Informed Medical Decision Making, Boston, MA, November 24-25, 2008.
- Invited address, White House Initiative on Hispanic education, Summit on Education Reform and Hispanic Attainment, September 11, 2008.
- "*Memory on Trial.*" Research featured in National Science Foundation press release on homepage, March 6, 2008.
- Selected as a Champion of Psychology by the Association for Psychological Science. May, 2008.
- "*Weighing Risks and Benefits a Struggle for Both Physicians and Patients.*" Research featured in the *Journal of the American Medical Association* (Medical News & Perspectives, September 17, 2007).
- "*Teenage Risks and How to Avoid Them.*" Research featured in New York Times (Science

Times), December 18, 2007.

Appointed to National Mathematics Advisory Panel (to advise the President and the Secretary of Education on the conduct, evaluation, and effective use of research); Chair, Standards of Evidence Subcommittee, 2006-2008.

Elected Honorary Professor, Department of Psychology, University of Leicester, Leicester, UK, January 2009-Present.

Elected Honorary Professor, Department of Psychology, University of Kent, Canterbury, UK, July 2006-Present.

Appointed to the Committee of Visitors to evaluate the portfolio and procedures of the National Science Foundation, March 23-24, 2006; March 8-10, 2007.

Member, Association for Psychological Science Leadership Network, 2005-Present.

Appointed as a Visiting Professor, Medical Decision Making in Education, Mayo Clinic, Rochester, MN, June 20, 2004; September 8-9, 2005.

Honored by the Mortar Board National Senior Honorary as Outstanding Faculty Member (teaching award), April 15, 2003.

Appointed Senior Research Advisor overseeing research activities in the United States Department of Education, 2001-2003.

Winner of the HPAC (Hispanic Professional Action Committee) Woman of the Year Award, 2001.

Appointed to National Institutes of Health, Study Sections (permanent member), 1998; 1999-2002.

Elected President, Association of Women Faculty, 2000-2001.

Initiated the University-wide Millennium Report to study conditions and promotion of women faculty, sponsored by the Office of the President, University of Arizona, 2000-2003.

Initiated and served on the Executive Board of the GRACE Project to study conditions and promotion of women faculty in the College of Medicine, University of Arizona, 2000-2003.

Elected Vice-President, Association of Women Faculty, 1998-1999; 1999-2000.

Invited to deliver the Ellis-Battig Memorial Address at the annual meeting of the Rocky Mountain Psychological Association, 1998.

Appointed Co-chair of the Hispanic-Jewish Dialogue, 1997-2003.

Received Governor's Spirit of Excellence Recognition Award for efforts to support innovative teaching at the University of Arizona as part of Faculty Development Team, 1996.

Selected as one of two research teams featured on University of Arizona's Media Day, 1995.

Faculty Affiliate, Women's Studies, Southwest Institute for Research on Women (SIROW), 1995-2003.

Winner of the Faculty Member of the Year Award, Office of the Assistant Dean for Chicano/Hispano Student Affairs, the Chicano/Hispano Student Resource Center, and the Mexican-American Studies and Research Center, 1995.

Selected to participate in "Creating a Vision" Conferences for community leaders, 1994.

Appointed to the Steering Committee of the Hispanic-Jewish Dialogue, 1994-1997.

Appointed to the Steering Committee of the Chicano/Hispano Education Coalition, 1994.

Invited to participate in the National Hispanic Leadership Conference; attended Conference, Chicago, IL, October 27-30, 1994.

Selected as a University of Arizona Faculty Fellow, Office of the President, 1994.

Appointed to the Tucson Unified School District Latino Advisory Committee, 1993-1997.

Elected to the HPAC (Hispanic Professional Action Committee) Executive Board, 1992-2000.  
 Appointed to the Arizona Governor's Task Force on Educational Reform, Research Team, 1992;  
 1993.

Elected to the State Board of Directors, Arizona Educational Research Organization, 1992; 1993.  
 Honored by my alma mater, Clark University, at "Fifty Years of Women at Clark" conference,  
 sponsored by the Alumni Association and the Department of Women's Studies. Invited to  
 speak on "How Clark University Shaped My Life and Career," 1992.

Selected to participate in "Arizona Dialogues: Teacher Education in a Democracy," sponsored  
 by the Arizona Board of Regents and by the Education Commission of the States, 1992.

Winner of the Wakonse West Regional Teaching Award, 1992.  
 Winner of the New Traditional Student Teaching Award, 1992.

Identified by the Arizona Ambassadors (a volunteer student organization) as an "outstanding  
 faculty member"; selected for the ClassCats program, a class visitation program for  
 prospective students at the University of Arizona, 1992.

Elected Vice President of El Concilio, a coalition of Hispanic organizations, 1991.  
 Elected President of the Arizona Association of Chicanos in Higher Education, University of  
 Arizona, 1990; 1991.

Elected to the State Executive Board, and appointed Chair of the Critical Issues Commission,  
 Arizona Association of Chicanos for Higher Education, 1989; 1990.

Received three statewide Distinguished Service Awards from the Arizona Association of  
 Chicanos for Higher Education, 1989; 1990.

Selected as one of five most promising psychologists in the U.S. by the American Psychological  
 Association, Young Fellows in Psychology Program (selection made once every four  
 years), 1984.

Elected to full membership in Sigma Xi Scientific Honor Society, 1980.  
 Presented presidential installation address for Dr. Joshua Lederberg, Rockefeller University,  
 1978.

Awarded New York Academy of Sciences Summer Internship Grants, 1978, 1979.  
 Awarded Linguistics Society of America Fellowship, 1977.  
 Awarded National Science Foundation Graduate Fellowship, 1976.

Elected to Phi Beta Kappa, 1976.  
 Elected President of the Clark University chapter of Psi Chi, Psychology Honor Society, 1975.  
 Selected as a New England Psychological Association Undergraduate Fellow, 1975.  
 Awarded Charles Travelli Scholarship, 1974.  
 Awarded National Merit Scholarship, 1973.

## **Published Biographies**

Dictionary of International Biography	Two Thousand Notable American Women
Five Hundred Leaders of Influence	2000 Outstanding Intellectuals of the 20 <sup>th</sup>
Five Hundred Notable Women	Century
Gold Record of Achievement	2000 Outstanding Scholars of the 21 <sup>st</sup>
International Woman of the Year	Century
Lexington Who's Who	2000 Outstanding Scientists of the 20 <sup>th</sup>
Outstanding People of the 20th Century	Century
20 <sup>th</sup> Century Award for Achievement	2014 Who's Who in Academia



Who's Who in America  
 Who's Who in American Education  
 Who's Who of American Women  
 Who's Who in Medicine and Healthcare  
 Who's Who in Social Sciences Higher  
 Education

Who's Who in the West  
 Who's Who of Women  
 Woman of the Year

## Media Coverage of Research (Selected)

### Newsletters

*Arizona Heart Center Newsletter*  
*British False Memory Syndrome*  
*Institute for Children, Youth, and Families*  
*Newsletter*  
*NSF Newsletter*

### Radio /Television

*KGUN-TV*  
*KOLD-TV*  
*WHAM ABC-TV*  
*KUAT radio*  
*Voice of America*

### Newspapers

*Arizona Daily Star*  
*Arizona Republic*  
*Baltimore Sun*  
*Boston Globe*

*New York Times*  
*Sunday Times (London)*  
*Wall Street Journal*

### Other Media Publications

*APS Observer*  
*APA Monitor*  
*Breakthroughs in Health and Sciences*  
*Education Week*  
*Healthscope*  
*Omni Magazine*  
*Research and Foundation Report*  
*Reuters*  
*Science Digest*  
*Science News*  
*The Economist*  
*Time*  
*UniScience News Net Top Stories*

## PUBLICATIONS

### Refereed Journal Articles

Brainerd, C. J., Nakamura, K., Reyna, V. F., & Holliday, R. E. (in press). Overdistribution illusions: Categorical judgments produce them, confidence ratings reduce them. *Journal of Experimental Psychology: General*.

Helm, R. K., & Reyna, V. F. (in press). Logical but incompetent plea decisions: A new approach to plea bargaining grounded in cognitive theory. *Psychology, Public Policy, and Law*.

Rahimi-Golkhandan, S., Garavito, D.M.N., Reyna-Brainerd, B.B., and Reyna, V.F. (in press). A fuzzy trace theory of risk and time preferences in decision making: Integrating cognition and motivation. In J.R. Stevens (Ed.), *Impulsivity: How risk and time influence decision making*. New York: Springer.

- Reyna, V. F., Corbin, J. C., Weldon, R. B., & Brainerd, C. J. (2016). How fuzzy-trace theory predicts true and false memories for words, sentences, and narratives. *Journal of Applied Research in Memory and Cognition*, 5(1), 1-9. doi: 10.1016/j.jarmac.2015.12.003
- Reyna, V. F. & Wilhelms, E. A. (2016). The gist of delay of gratification: Understanding and predicting problem behaviors. *Journal of Behavioral Decision Making*. Advance online publication. doi: 10.1002/bdm.1977
- Blalock, S. J., DeVellis, F. R., Chewning, B., Sleath, B. L., & Reyna, V. F. (2016). Gist and verbatim communication concerning medication risks/benefits. *Patient Education and Counseling*, 99(6), 988-994. doi: 10.1016/j.pec.2015.12.001
- Blalock, S. J., & Reyna, V. F. (2016). Using fuzzy-trace theory to understand and improve health judgments, decisions, and behaviors: A literature review. *Health Psychology*, 35(8), 781-792. doi: 10.1037/hea0000384
- Brust-Renck, P. G., Reyna, V. F., Wilhelms, E. A., Wolfe, C. R., Widmer, C. L., Cedillos-Whynott, E. M., & Morant, A. K. (2016). Active engagement in a web-based tutorial to prevent obesity grounded in fuzzy-trace theory predicts higher knowledge and gist comprehension. *Behavior Research Methods*. Advance online publication. doi: 10.3758/s13428-016-0794-1
- Buckholtz, J. W., Reyna, V. F., & Slobogin, C. (2016). A neuro-legal lingua franca: Bridging law and neuroscience on the issue of self-control. *Mental Health Law & Policy Journal*, 5, 1-30.
- Cedillos-Whynott, E. M., Wolfe, C. R., Widmer, C. L., Brust-Renck, P. G., Weil, A., & Reyna, V. F. (2016). The Effectiveness of argumentation in tutorial dialogues with an intelligent tutoring system for genetic risk of breast cancer. *Behavior Research Methods*, 48, 857-868. doi: 10.3758/s13428-015-0681-1
- Chick, C. F., Reyna, V. F., & Corbin, J. C. (2016). Framing effects are robust to linguistic disambiguation: A critical test of contemporary theory. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 44(2), 238-256. doi: 10.1037/xlm0000158
- Furlan, S., Agnoli, F., & Reyna, V. F. (2016). Intuition and analytic processes in probabilistic reasoning: The role of time pressure. *Learning and Individual Differences*, 45, 1-10. doi: 10.1016/j.lindif.2015.11.006
- Lockenhoff, C. E., Rutt, J. L., Samanez-Larkin, G. R., O'Donoghue, T., Reyna, V. F., & Ganzel, B. (2016). Dread-sensitivity in decisions about real and imagined electrical shocks does not vary by age. *Psychology and Aging*, 31(8), 890-901. doi: 10.1037/pag0000136

- Neumann, C., Kaye, D., Jackson, G., Reyna, V. F., & Ranadive, A. (2016). Presenting qualitative information on forensic science evidence in the court room. *CHANCE*, 29(1), 37-43. doi: 10.1080/09332480.2016.1156365
- Romer, A. L., Reyna, V. F., Pardo, S. T. (2016). Are rash impulsive and reward sensitive traits distinguishable? A test in young adults. *Personality and Individual Differences*, 99, 308-312. doi: 10.1016/j.paid.2016.05.027
- Wolfe, C. R., Reyna, V. F., Widmer, C. L., Cedillos-Whynott, E. M., Brust-Renck, P. G., Weil, A. M., & Hu, X. (2016). Understanding genetic breast cancer risk: Processing loci of the BRCA Gist Intelligent Tutoring System. *Learning and Individual Differences*, 49, 178-189. doi: 10.1016/j.lindif.2016.06.009
- Wolfe, C. R., Reyna, V. F., Widmer, C. L., Cedillos-Whynott, E. M., Weil, A. M., & Brust-Renck, P. G. (2016). Pumps and prompts for gist explanations in tutorial dialogues about breast cancer. *Discourse Processes*. Advance online publication. doi: 10.1080/0163853X.2016.1199626
- Reyna, V. F., Hans, V. P., Corbin, J. C., Yeh, R., Lin, K., & Royer, C. (2015). The gist of juries: Testing a model of damage award decision making. *Psychology, Public Policy, and Law*, 21(3), 280-294. doi: 10.1037/law0000048
- Reyna, V. F., & Landa, Y. (2015). Multiple traces or fuzzy traces?: Converging evidence for applications of modern cognitive theory to psychotherapy. *Behavioral and Brain Sciences*, 38, 39. doi: 10.1017/S0140525X14000399
- Reyna, V. F., Nelson, W. L., Han, P. K., & Pignone, M. P. (2015). Decision making and cancer. *American Psychologist*, 70(2), 105-118. doi: 10.1037/a0036834
- Reyna, V. F., Weldon, R. B., & McCormick, M. J. (2015). Educating intuition: Reducing risky decisions using fuzzy-trace theory. *Current Directions in Psychological Science*, 24(4), 392-398. doi: 10.1177/0963721415588081
- Reyna, V. F., Wilhelms, E. A., McCormick, M. J., & Weldon, R. B. (2015). Development of risky decision making: Fuzzy-trace theory and neurobiological perspectives. *Child Development Perspectives*, 9(2), 122-127. doi: 10.1111/cdep.12117
- Brainerd, C. J., Wang, Z., Reyna, V. F., & Nakamura, K. (2015). Episodic memory does not add up: Verbatim-gist superposition predicts violations of the additive law of probability. *Journal of Memory and Language*, 84, 224-245. doi: 10.1016/j.jml.2015.06.006
- Brainerd, C. J., & Reyna, V. F. (2015). Fuzzy-trace theory and lifespan cognitive development. *Developmental Review*, 38, 89-121. doi: 10.1016/j.dr.2015.07.006

- Broniatowski, D. A., Klein, E. Y., & Reyna, V. F. (2015). Germs are germs, and why not take a risk?: Patients' expectations for prescribing antibiotics in an inner city emergency department. *Medical Decision Making, 35*, 60-67. doi: 10.1177/0272989X14553472
- Corbin, J. C., Reyna, V. F., Weldon, R. B., & Brainerd, C. J. (2015). How reasoning, judgment, and decision making are colored by gist-based intuition: A fuzzy-trace theory approach. *Journal of Applied Research in Memory and Cognition, 4*(4), 344-355. doi: 10.1016/j.jarmac.2015.09.001
- Croom, K., Staiano-Coico, L., Lesser, M. L., Lewis, D. K., Reyna, V. F., Marchell, T. C., Frank, J., & Ives, S. (2015). The glass is half full: Evidence for efficacy of Alcohol-Wise at one university but not the other. *Journal of Health Communication: International Perspectives, 20*(6), 627-638. doi: 10.1080/108010730.2015.1012239
- Elstad, E. A., Sutkowi-Hemstreet, A., Vu, M., Sheridan, S. L., Harris, R., Reyna, V. F., Rini, C., Earp, J., & Brewer, N. T. (2015). Clinicians' perceptions of the benefits and harms of prostate and colorectal cancer screening. *Medical Decision Making, 35*(4), 467-476. doi: 10.1177/0272989X15569780
- Fraenkel, L., Lim, J., Garcia-Tsao, G., Reyna, V. F., & Monto, A. (2015). Treat now or defer?: Examining Hepatitis C virus treatment preference heterogeneity using segmentation analysis. *Journal of Clinical Gastroenterology*. Advance online publication.
- Fraenkel, L., Lim, J., Garcia-Tsao, G., Reyna, V. F., Monto, A., & Bridges, J. F. (2015). Variation in treatment priorities for chronic Hepatitis C: A latent class analysis. *The Patient*. Advance online publication.
- Fraenkel, L., Matzko, C. K., Webb, D. E., Oppermann, B., Charpentier, P., Peters, E., Reyna, V. F., & Newman, E. D. (2015). Use of decision support for improved knowledge, values clarification, and informed choice in patients with rheumatoid arthritis. *Arthritis Care and Research, 67*(11), 1496-1502. doi: 10.1002/acr.22659
- Jackson, G., Kaye, D. H., Neumann, C., Ranadive, A., & Reyna, V. F. (2015). Communicating the results of forensic science examinations. Final technical report for National Institute of Standards and Technology (NIST) award 70NANB12H014
- Landa, Y., Mueser, K., Wyka, K., Shreck, E., Jespersen, R., Jacobs, M., Griffin, K., van der Gaag, M., Reyna, V. F., Beck, A., Silbersweig, D., & Walkup, J. (2015). Development of a group and family-based cognitive behavioral therapy program for youth at risk for psychosis. *Early Intervention in Psychiatry*. Advance online publication. doi:10.1111/eip.12204
- Weldon, R. B., & Reyna, V. F. (2015). How to successfully incorporate undergraduate researchers into a complex research program at a large institution. *Journal of Undergraduate Neuroscience Education, 13*(3) A192-A197.

- Weil, A. M., Wolfe, C. R., Reyna, V. F., Widmer, C. L., Cedillos-Whynott, E. M., & Brust-Renck, P. G. (2015). Proficiency of FPPI and objective numeracy in assessing breast cancer risk estimation. *Learning and Individual Differences*, *43*, 149-155.
- Widmer, C. L., Wolfe, C. R., Reyna, V. F., Cedillos-Whynott, E. M., Brust-Renck, P. G., & Weil, A. M. (2015). Tutorial dialogues and gist explanations of genetic breast cancer risk. *Behavior Research Methods*, *47*, 632-648. doi: 10.3758/s13428-015-0592-1
- Wilhelms, E. A., Reyna, V. F., Brust-Renck, P.G., Weldon, R. B., & Corbin, J. C. (2015). Gist representations and communications of risks about HIV-AIDS: A fuzzy-trace theory approach. *Current HIV Research*, *13*(5), 399-407. doi: 10.2174/1570162X13666150511142748
- Wolfe, C. R., Reyna, V. F., Widmer, C. L., Cedillos, E. M., Fisher, C. R., Brust-Renck, P. G., & Weil, A. M. (2015). Efficacy of a web-based intelligent tutoring system for communicating genetic risk of breast cancer: A fuzzy-trace theory approach. *Medical Decision Making*, *35*, 46-59. doi: 10.1177/0272989X14535983
- Reyna, V. F., & Brainerd, C. B. (2014). Fuzzy universality of probability judgment. *Proceedings of the National Academy of Sciences USA*, *111*(48), 16984-16985. doi: 10.1073/pnas.1420118111
- Reyna, V. F., Chick, C. F., Corbin, J. C., & Hsia, A. N. (2014). Developmental reversals in risky decision-making: Intelligence agents show larger decision biases than college students. *Psychological Science*, *25*(1), 76-84. doi: 10.1177/0956797613497022
- Reyna, V. F., & Mills, B. A. (2014). Theoretically motivated interventions for reducing sexual risk taking in adolescence: A randomized controlled experiment applying fuzzy-trace theory. *Journal of Experimental Psychology: General*, *143*(4), 1627-1648. doi: 10.1037/a0036717
- Brainerd, C. J., Holliday, R. E., Nakamura, K., & Reyna, V. F. (2014). Conjunction illusions and conjunction fallacies in episodic memory. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *40*(6), 1610-1623. doi: 10.1037/xlm0000017
- Brainerd, C. J., Reyna, V. F., Gomes, C. F. A., Kenney, A. E., Gross, C. J., Taub, E. S., Spreng, R. N., & Alzheimer's Disease Neuroimaging Initiative. (2014). Dual-retrieval models and neurocognitive impairment. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *40*(1), 41-65. doi: 10.1037/a0034057
- Gomes, C. F. A., Brainerd, C. J., Nakamura, K., & Reyna, V. F. (2014). Markovian interpretations of dual retrieval processes. *Journal of Mathematical Psychology*, *59*, 50-64. doi: 10.1016/j.jmp.2013.07.003

- Setton, R. A., Wilhelms, E. A., Weldon, R. B., Chick, C. F., & Reyna, V. F. (2014). An overview of judgment and decision making research through the lens of Fuzzy Trace Theory. *Advances in Psychological Science*, 22(12), 1837-1854.
- Reyna, V. F., Croom, K., Staiano-Coico, L., Lesser, M. L., Lewis, D., Frank, J., & Marchell, T. (2013). Endorsement of a personal responsibility to adhere to the minimum drinking age law predicts consumption, risky behaviors, and alcohol-related harms. *Psychology, Public Policy, and Law*, 19(3), 380-394. doi: 10.1037/a0032538
- Brust-Renck, P. G., Royer, C. E., & Reyna, V. F. (2013). Communicating numerical risk: Human factors that aid understanding in health care. *Reviews of Human Factors and Ergonomics*, 8(1), 235-276. doi: 10.1177/1557234X13492980
- Brainerd, C. J., Reyna, V. F., Petersen, R. C., Smith, G. E., Kenney, A. E., Gross, C. J., Taub, E. S., Plassman, B. L., & Fisher, G. G. (2013). The apolipoprotein E genotype predicts longitudinal transitions to mild cognitive impairment but not to Alzheimer's dementia: Findings from a nationally representative study. *Neuropsychology*, 27(1), 80-94. doi:10.1037/a0030855
- Brainerd, C. J., Wang, Z., & Reyna, V. F. (2013). Superposition of episodic memories: Overdistribution and quantum models. *Topics in Cognitive Science*, 5, 773-799. doi: 10.1111/tops.12039
- Fagerlin, A., Pignone, M., Abhyankar, P., Col, N., Feldman-Stewart, D., Gavaruzzi, T., Kryworuchko, J., Levin, C. A., Pieterse, A. H., Reyna, V. F., Stiggelbout, A., Scherer, L. D., Wills, C., & Witteman, H. O. (2013). Clarifying values: An updated review. *BMC Medical Informatics and Decision Making*, 13 (Suppl 2): S8.
- Fisher, C. R., Wolfe, C. R., Reyna, V. F., Widmer, C. L., Cedillos, E. M., & Brust-Renck, P. G. (2013). A signal detection analysis of gist-based discrimination of genetic breast cancer risk. *Behavior Research Methods*, 45(3), 613-622. doi: 10.3758/s13428-013-0364-8
- Marchell, T. C., Lewis, D. D., Croom, K., Lesser, M. L., Murphy, S. H., Reyna, V. F., Frank, J., & Staiano-Coico, L. (2013). The slope of change: An environmental management approach to reduce drinking on a day of celebration at a U.S. college. *Journal of American College Health*, 61(6), 324-334. doi: 10.1080/07448481.2013.788008
- Wilhelms, E. A., & Reyna, V. F. (2013). Effective ways to communicate risk and benefit. *Virtual Mentor*, 15(1), 34-41. doi: 10.1001/virtualmentor.2013.15.1.stas1-1301.
- Wilhelms, E. A. & Reyna, V. F. (2013). Fuzzy trace theory and medical decisions by minors: Differences in reasoning between adolescents and adults. *Journal of Medicine and Philosophy*, 38(3), 268-282. doi: 10.1093/jmp/jht018
- Wolfe, C. R., Fisher, C. R., & Reyna, V. F. (2013). Semantic coherence and inconsistency in estimating conditional probabilities. *Journal of Behavioral Decision Making*, 26(3), 237-

246. doi:10.1002/bdm.1756

- Wolfe, C. R., Widmer, C. L., Reyna, V. F., Hu, X., Cedillos, E. M., Fisher, C. R., Brust-Renck, P. G., Williams, T. C., Damas, I., & Weil, A. M. (2013). The development and analysis of tutorial dialogues in AutoTutor Lite. *Behavior Research Methods*, 45(3), 623-636. doi:10.3758/s13428-013-0352-z
- Reyna, V. F. (2012). A new intuitionism: Meaning, memory, and development in fuzzy-trace theory. *Judgment and Decision Making*, 7(3), 332-359.
- Reyna, V.F. (2012). Risk perception and communication in vaccination decisions: A fuzzy-trace theory approach. *Vaccine*, 30, 3790-3797. doi:10.1016/j.vaccine.2011.11.070
- Reyna, V.F. (2012). Foundations for tracing intuition: Challenges and methods [Review of *Foundations for tracing intuition: Challenges and methods*, by A. Glöckner & C Wittman (Eds.)]. *Journal of Behavioral Decision Making*, 25(2), 212. doi: 10.1002/bdm.733
- Brainerd, C. J., & Reyna, V. F. (2012). Reliability of children's testimony in the era of developmental reversals. *Developmental Review*, 32, 224-267. doi:10.1016/j.dr.2012.06.008
- Brainerd, C.J., Aydin, C., & Reyna, V.F. (2012). Development of dual-retrieval processes in recall: Learning, forgetting, and reminiscence. *Journal of Memory and Language*, 66(4), 763-788. doi:10.1016/j.jml.2011.12.002
- Brainerd, C. J., Reyna, V. F., Holliday, R. E., & Nakamura, K. (2012). Overdistribution in source memory. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 38(2), 413-439. doi:10.1037/a0025645
- Betsch, C., Brewer, N. T., Brocard, P., Davies, P., Gaissmaier, W., Haase, N., Leask, J., Renkewitz, F., Renner, B., Reyna, V. F., Rossmann, C., Sachse, K., Schachinger, A., Siegrist, M., Stryk, M. (2012). Opportunities and challenges of web 2.0 for vaccination decisions. *Vaccine*, 30(25), 3727-3733. doi:10.1016/j.vaccine.2012.02.025
- Brewer, N. T., Richman, A. R., DeFrank, J. T., Reyna, V. F., & Carey, L. A. (2012). Improving communication of breast cancer recurrence risk. *Breast Cancer Research and Treatment*, 133(2), 553-561. doi:10.1007/s10549-011-1791-9
- DeFrank, J., Richman, A., Carey, L., Reyna, V. F., & Brewer, N. T. (2012). Improving communication of genomic test results for breast cancer recurrence risk [Abstract]. *Annals of Behavioral Medicine*, 43, S7.
- Fraenkel, L., Peters, E., Charpentier, P., Olsen, B., Errante, L., Schoen, R., & Reyna, V.F. (2012). A decision tool to improve the quality of care in Rheumatoid Arthritis. *Arthritis Care & Research* 64(7), 977-985. doi: 10.1002/acr.21657

- Furlan S., Agnoli, F., & Reyna, V. F. (2012). Children's competence or adults' incompetence? Different developmental trajectories in different tasks. *Developmental Psychology*, 49(8), 1466-1480. doi:10.1037/a0030509
- Liberali, J.M., Reyna, V.F., Furlan, S., Stein, L.M., Pardo, S.T. (2012) Individual differences in numeracy and cognitive reflection, with implications for biases and fallacies in probability judgment. *Journal of Behavioral Decision Making*, 25, 361-381. doi:10.1002/bdm.752
- Wolfe, C. R., Fisher, C. R., Reyna, V. F., & Hu, X. (2012). Improving internal consistency in conditional probability estimation with an Intelligent Tutoring System and web-based tutorials. *International Journal of Internet Science*, 7, 38-54.
- Reyna, V. F. (2011). The paradoxes of Maurice Allais in economics and psychology. *Medical Decision Making*, 31(2), 221-222. doi:10.1177/0272989X11399338
- Reyna, V. F., & Brainerd, C. J. (2011). Dual processes in decision making and developmental neuroscience: A fuzzy-trace model. *Developmental Review*, 31, 180-206. doi:10.1016/j.dr.2011.07.004
- Reyna, V. F., Estrada, S. M., DeMarinis, J. A., Myers, R. M., Stanis, J. M., & Mills, B. A. (2011). Neurobiological and memory models of risky decision making in adolescents versus young adults. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 37(5), 1125-1142. doi:10.1037/a0023943
- Brainerd, C. J., Reyna, V. F., Petersen, R. C., Smith, G. E., & Taub, E. S. (2011). Is the apolipoprotein E genotype a biomarker for mild cognitive impairment? Findings from a nationally representative study. *Neuropsychology*, 25(6) 679-689. doi:10.1037/a0024483
- Brainerd, C. J., Reyna, V. F., & Zember, E. (2011). Theoretical and forensic implications of developmental studies of the DRM illusion. *Memory and Cognition*, 39(3), 365-380. doi:10.3758/s13421-010-0043-2
- Davis, M. F., Adam, M., Carvajal, S., Sechrest, L., & Reyna, V. F. (2011). Using Rasch modeling to measure acculturation in youth. *Journal of Applied Measurement*, 12(4), 324-338.
- Hans, V.P., & Reyna, V.F. (2011). To dollars from sense: Qualitative to quantitative translation in jury damage awards. *Journal of Empirical Legal Studies*, 8(S1) 120-147. doi:10.1111/j.1740-1461.2011.01233.x
- Hans, V.P., & Reyna, V.F. (2011). To dollars from sense: Qualitative to quantitative translation in jury damage awards. *Cornell Legal Studies Research Paper No. 11-25*, Social Sciences Research Network. Retrieved from <http://ssrn.com/abstract=1876667>.



- Holliday, R. E., Brainerd, C. J., & Reyna, V. F. (2011). Developmental reversals in false memory: Now you see them, now you don't! *Developmental Psychology*, *47*(2) 442-449. doi:10.1037/a0021058
- Reyna, V., Mills, B., Goldman, D., Pardo, S., Rieth, G., & Smith, M. (2010). Gist-based conceptions of risk in adolescent alcohol consumption: A fuzzy trace theory approach [Abstract]. *Annals of Behavioral Medicine*, *39*, s196. doi:10.1007/s12160-010-9169-5
- Brainerd, C. J., Holliday, R. E., Reyna, V. F., Yang, Y., & Toglia, M. P. (2010). Developmental reversals in false memory: Effects of emotional valence and arousal. *Journal of Experimental Child Psychology*, *107*(2), 137-154. doi:10.1016/j.jecp.2010.04.013
- Brainerd, C. J. & Reyna, V.F. (2010). Recollective and nonrecollective recall. *Journal of Memory and Language*, *63*(3), 425-445. doi:10.1016/j.jml.2010.05.002
- Brainerd, C. J., Reyna, V. F., & Aydin, C. (2010). Remembering in contradictory minds: Disjunction fallacies in episodic memory. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *36*(3), 711-735. doi:10.1037/a0018995
- Marche, T. A., Brainerd, C. J., & Reyna, V. F. (2010). Distinguishing true from false memories in forensic contexts: Can phenomenology tell us what is real? *Applied Cognitive Psychology*, *24*(8), 1168-1182. doi:10.1002/acp.1629
- Wolfe, C. R., & Reyna, V. F. (2010). Assessing semantic coherence and logical fallacies in joint probability estimates. *Behavior Research Methods*, *42*(2), 366-372. doi:10.3758/BRM.42.2.373
- Wolfe, C. R. & Reyna, V. F. (2010). Semantic coherence and fallacies in estimating joint probabilities. *Journal of Behavioral Decision Making*, *23*(2), 203-223. doi:10.1002/bdm.650
- Reyna, V. F., Nelson, W., Han, P., & Dieckmann, N. F. (2009). How numeracy influences risk comprehension and medical decision making. *Psychological Bulletin*, *135*(6), 943-973. doi: 10.1037/a0017327
- Lloyd, F. J., & Reyna, V. F. (2009). Clinical gist and medical education: Connecting the dots. *Journal of the American Medical Association*, *302*(12), 1332-1333. doi:10.1001/jama.2009.1383
- Brainerd, C. J., Reyna, V. F., & Howe, M. L. (2009). Trichotomous processes in early memory development, aging, and neurocognitive impairment: A unified theory. *Psychological Review*, *116*(4), 783-832. doi:10.1037/a0016963
- Croom, K., Lewis, D., Marchell, T., Lesser, M.L., Reyna, V. F., Kubicki-Bedford, L., Feffer, M., & Staiano-Coico, L. (2009). Impact of an online alcohol education course on behavior and harm for incoming first-year college students: Short-term evaluation of a randomized

- trial. *Journal of American College Health*, 57(4), 445-454. doi:10.3200/JACH.57.4.445-454
- Odegard, T. N., Cooper, C. M., Lampinen, J. M., Reyna, V. F., & Brainerd, C. J. (2009). Children's eyewitness memory for multiple real-life events. *Child Development*, 80(6), 1877-1890. doi:10.1111/j.1467-8624.2009.01373.x
- Reyna, V. F. (2008). Theories of medical decision making and health: An evidence-based approach. *Medical Decision Making*, 28(6), 829-833. doi:10.1177/0272989X08327069
- Reyna, V. F. (2008). A theory of medical decision making and health: Fuzzy-trace theory. *Medical Decision Making*, 28(6), 850-865. doi:10.1177/0272989X08327066
- Reyna, V. F., & Rivers, S. E. (2008). Current theories of risk and rational decision making. *Developmental Review*, 28(1), 1-11. doi:10.1016/j.dr.2008.01.002
- Reyna, V. F., & Brainerd, C. J. (2008). Numeracy, ratio bias, and denominator neglect in judgments of risk and probability. *Learning and Individual Differences*, 18(1), 89-107. doi:10.1016/j.lindif.2007.03.011
- Brainerd, C. J., Yang, Y., Reyna, V. F., Howe, M.L., & Mills, B.A. (2008). Semantic processing in 'associative' false memory. *Psychonomic Bulletin & Review*, 15(6), 1035-1053. doi:10.3758/PBR.15.6.1035
- Brainerd, C. J., Reyna, V. F., Ceci, S.J., & Holliday, R.E. (2008). Understanding developmental reversals in false memory: Reply to Ghetti (2008) and Howe (2008). *Psychological Bulletin*, 134(5), 773-777. doi:10.1037/0033-2909.134.3.343
- Nelson, W., Reyna, V. F., Fagerlin, A., Lipkus, I., & Peters, E. (2008). Clinical implications of numeracy: Theory and practice. *Annals of Behavioral Medicine*, 35(3), 261-274. doi:10.1007/s12160-008-9037-8
- Mills, B. A., Reyna, V. F., & Estrada, S. (2008). Explaining contradictory relations between risk perception and risk taking. *Psychological Science*, 19(5), 429-434. doi:10.1111/j.1467-9280.2008.02104.x
- Brainerd, C. J., Reyna, V. F., & Ceci, S. J. (2008). Developmental reversals in false memory: A review of data and theory. *Psychological Bulletin*, 134(3), 343-382. doi:10.1037/0033-2909.134.3.343
- Brainerd, C. J., & Reyna, V. F. (2008). Episodic over-distribution: A signature effect of recollection without familiarity. *Journal of Memory and Language*, 58(3), 765-786. doi:10.1016/j.jml.2007.08.006
- Rivers, S. E., Reyna, V. F., & Mills, B. A. (2008). Risk taking under the influence: A fuzzy-trace theory of emotion in adolescence. *Developmental Review*, 28(1), 107-144. doi:10.1016/j.dr.2007.11.002

- Holliday, R. E., Brainerd, C. J., & Reyna, V. F. (2008). Recall of details never experienced: Effects of age, repetition, and semantic cues. *Cognitive Development, 23*(1), 67-78. doi: 10.1016/j.cogdev.2007.05.002
- Odegard, T. N., Brainerd, C. J., & Reyna, V. F. (2008). Attention to global-gist processing eliminates age effects in false memories. *Journal of Experimental Child Psychology, 99*(2), 96-113. doi:10.1016/j.jecp.2007.08.007
- Brainerd, C. J., Stein, L. M., Silveira, R. A., Rohenkohl, G., & Reyna, V. F. (2008). How does negative emotion cause false memories? *Psychological Science, 19*(9), 919-925. doi:10.1111/j.1467-9280.2008.02177.x
- Reyna, V. F., & Mills, B. A. (2007). Converging evidence supports fuzzy-trace theory's nested sets hypothesis (but not the frequency hypothesis). *Behavioral and Brain Sciences, 30*(3), 278-280. doi: 10.1017/S0140525X07001872
- Reyna, V. F., & Brainerd, C. J. (2007). The importance of mathematics in health and human judgment: Numeracy, risk communication, and medical decision making. *Learning and Individual Differences, 17*(2), 147-159. doi:10.1016/j.lindif.2007.03.010
- Brainerd, C. J., & Reyna, V. F. (2007). Explaining developmental reversals in false memory. *Psychological Science, 18*(5), 442-448. doi:10.1111/j.1467-9280.2007.01919.x
- Reyna, V. F., & Farley, F. (2006). Risk and rationality in adolescent decision-making: Implications for theory, practice, and public policy. *Psychological Science in the Public Interest, 7*(1), 1-44. doi:10.1111/j.1529-1006.2006.00026.x
- Reyna, V. F., & Lloyd, F. J. (2006). Physician decision-making and cardiac risk: Effects of knowledge, risk perception, risk tolerance, and fuzzy processing. *Journal of Experimental Psychology: Applied, 12*(3), 179-195. doi:10.1037/1076-898X.12.3.179
- Brainerd, C. J., Reyna, V. F., & Estrada, S. (2006). Recollection rejection of false narrative statements. *Memory, 14*(6), 672-691. doi:10.1080/09658210600648449
- Brainerd, C. J., Forrest, T. J., Karibian, D., & Reyna, V. F. (2006). Development of the false-memory illusion. *Developmental Psychology, 42*(5), 962-979. doi:10.1037/0012-1649.42.5.962
- Adam, M. B., & Reyna, V. F. (2005). Coherence and correspondence criteria for rationality: Experts' estimation of risks of sexually transmitted infections. *Journal of Behavioral Decision Making, 18*(3), 169-186. doi:10.1002/bdm.493
- Reyna, V. F. (2004). How people make decisions that involve risk: A dual process approach. *Current Directions in Psychological Science, 13*(2), 60-66. doi:10.1111/j.0963-7214.2004.00275.x

- Reyna, V. F. (2004). Language: The best acts of mind. *PsycCRITIQUES*. [Originally published in *Contemporary Psychology: APA Review of Books*, (1996), 41(6), 566-567.] Review.
- Brainerd, C. J., & Reyna, V. F. (2004). Fuzzy-trace theory and memory development. *Developmental Review*, 24(4), 396-439. doi:10.1016/j.dr.2004.08.005
- Brainerd, C. J., Holliday, R. E., & Reyna, V. F. (2004). Behavioral measurement of remembering phenomenologies: So simple a child can do it. *Child Development*, 75(2), 505-522. doi:10.1111/j.1467-8624.2004.00689.x
- Reyna, V. F., & Adam, M. B. (2003). Fuzzy-trace theory, risk communication, and product labeling in sexually transmitted diseases. *Risk Analysis*, 23(2), 325-342. doi:10.1111/1539-6924.00332
- Brainerd, C. J., Reyna, V. F., Wright, R., & Mojardin, A. H. (2003). Recollection rejection: False-memory editing in children and adults. *Psychological Review*, 110(4), 762-784. doi:10.1037/0033-295X.110.4.762
- Brainerd, C. J., Payne, D. G., Wright, R., & Reyna, V. F. (2003). Phantom recall. *Journal of Memory and Language*, 48(3), 445-467. doi:10.1016/S0749-596X(02)00501-6
- Wright, A. L., Schwindt, L., Bassford, T., Reyna, V. F., Shisslak, C. M., St. Germain, P. A., & Reed, K.L. (2003). Gender differences in academic advancement: Patterns, causes, and potential solutions in one U.S. college of medicine. *Academic Medicine*, 78(5), 500-508.
- Reyna, V. F., Holliday, R. E., & Marche, T. (2002). Explaining the development of false memories. (Invited article on developmental forensics for a special issue.) *Developmental Review*, 22(3) 436-489. doi:10.1016/S0273-2297(02)00003-5
- Brainerd, C. J., & Reyna, V. F. (2002). Fuzzy-trace theory and false memory. *Current Directions in Psychological Science*, 11(5), 164-168. doi:10.1111/1467-8721.00192
- Brainerd, C. J., & Reyna, V. F. (2002). Recollection rejection: How children edit their false memories. *Developmental Psychology*, 38(1), 156-172. doi:10.1037/0012-1649.38.1.156
- Brainerd, C. J., Reyna, V. F., & Forrest, T. J. (2002). Are young children susceptible to the false-memory illusion? *Child Development*, 73(5), 1363-1377. doi:10.1111/1467-8624.00477
- Brainerd, C. J., Wright, R., Reyna, V. F., & Payne, D. G. (2002). Dual retrieval processes in free and associative recall. *Journal of Memory and Language*, 46(1), 120-152. doi:10.1006/jmla.2001.2796
- Holliday, R. E., Reyna, V. F., & Hayes, B. K. (2002). Memory processes underlying misinformation effects in child witnesses. *Developmental Review*, 22(1), 37-77. doi: 10.1006/drev.2001.0534

- Wolfe, C. J., & Reyna, V. F. (2002). Using net cloak to develop server-side web-based experiments without writing CGI programs. *Behavior Research Methods Instruments and Computers*, *34*(2), 204-207. doi:10.3758/BF03195444
- Reyna, V. F., Lloyd, F., & Whalen, P. (2001). Genetic testing and medical decision making. *Archives of Internal Medicine*, *161*(20), 2406-2408. doi:10.1001/archinte.161.20.2406
- Reyna, V. F., & Hamilton, A. J. (2001). The importance of memory in informed consent for surgical risk. *Medical Decision Making*, *21*(2), 152-155. doi:10.1177/0272989X0102100209
- Brainerd, C. J., & Reyna, V. F. (2001). Fuzzy-trace theory: Dual processes in memory, reasoning, and cognitive neuroscience. *Advances in Child Development and Behavior*, *28*, 41-100. doi:10.1016/S0065-2407(02)80062-3
- Brainerd, C. J., Wright, R., Reyna, V. F., & Mojardin, A.H. (2001). Conjoint recognition and phantom recollection. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *27*(2), 341-361. doi:10.1037/0278-7393.27.2.307
- Lenert, L. A., Sherbourne, C. D., & Reyna, V. F. (2001). Utility elicitation using single item questions compared with a computerized interview. *Medical Decision Making*, *21*(2), 97-104. doi:10.1177/0272989X0102100202
- Lloyd, F. J., & Reyna, V. F. (2001). A web exercise in evidence-based medicine using cognitive theory. *Journal of General Internal Medicine*, *16*(2), 94-99. doi:10.1111/j.1525-1497.2001.00214.x
- Lloyd, F., Reyna, V. F., & Whalen, P. (2001). Accuracy and ambiguity in counseling patients about genetic risk. *Archives of Internal Medicine*, *161*(20), 2411-2413. doi:10.1001/archinte.161.20.2406
- Reyna, V. F. (2000). Fuzzy-trace theory and source monitoring: An evaluation of theory and false memory data. *Learning and Individual Differences*, *12*(2), 163-175. doi:10.1016/S1041-6080(01)00034-6
- Reyna, V.F. (2000). Data, development, and dual processes in rationality. *Behavioral and Brain Sciences*, *23*(5), 694-695.
- Brainerd, C. J., Reyna, V. F., & Mojardin, A. H. (1999). Conjoint recognition. *Psychological Review*, *106*(1), 160-179. doi:10.1037/0033-295X.106.1.160
- Reyna, V. F., & Brainerd, C. J. (1998). Fuzzy-trace theory and false memory: New frontiers [This article was part of a special journal issue devoted to a theory that my colleagues and I developed. The issue also featured commentaries written by ten influential investigators]. *Journal of Experimental Child Psychology*, *71*(2), 194-209.

doi:10.1006/jecp.1998.2472

- Brainerd, C. J., & Reyna, V. F. (1998). Fuzzy-trace theory and children's false memories. *Journal of Experimental Child Psychology, 71*(2), 81-129. doi:10.1006/jecp.1998.2464
- Brainerd, C. J., Stein, L., & Reyna, V. F. (1998). On the development of conscious and unconscious memory. *Developmental Psychology, 34*(2), 342-357. doi:10.1037/0012-1649.34.2.342
- Brainerd, C. J., & Reyna, V. F. (1998). When things that were never experienced are easier to 'remember' than things that were. *Psychological Science, 9*(6), 484-489. doi:10.1111/1467-9280.00089
- Lloyd, F. J., & Reyna, V. F. (1998). Physicians' decisions and agency for health care policy and research guidelines predict medical outcomes for patients with chest pain [Abstract]. *Medical Decision Making, 18*(4), 489. doi:10.1177/0272989X9801800423
- Reyna, V. F., Lloyd, F. J., & Woodard, R. (1997). Deviations from practice guidelines for unstable angina [Abstract]. *Medical Decision Making, 17*(4), 538. doi:10.1177/0272989X9701700424
- Reyna, V. F., & Lloyd, F. J. (1997). Theories of false memory in children and adults. *Learning and Individual Differences, 9*(2), 95-123. doi:10.1016/S1041-6080(97)90002-9
- Reyna, V. F., & Brainerd, C. J. (1997). Fuzzy-trace theory applied to the theory and practice of law: Commentary on law's memory by Paul C. Wohlmut. *Journal of Contemporary Issues, 8*, 287-298.
- Lloyd, F. J., Reyna, V. F., Liebowitz, R., & Valenzuela, T. (1997). The AHCPR unstable angina algorithm in practice. *The Journal of the American Medical Association, 277*(12), 961. doi:10.1001/jama.1997.03540360029014
- Reyna, V. F. (1996). Conceptions of memory development, with implications for reasoning and decision making. *Annals of Child Development, 12*, 87-118.
- Brainerd, C. J., & Reyna, V. F. (1996). Mere memory testing creates false memories in children. *Developmental Psychology, 32*(3), 467-478. doi:10.1037/0012-1649.32.3.467
- Reyna, V. F., & Brainerd, C. J. (1995). Fuzzy-trace theory: An interim synthesis [The first issue of 1995 was devoted to this invited target article on a theory developed by my colleagues and me]. *Learning and Individual Differences, 7*(1), 1-75. doi:10.1016/1041-6080(95)90031-4
- Reyna, V. F., & Kiernan, B. (1995). Children's memory and metaphorical interpretation. *Metaphor and Symbolic Activity, 10*(4), 309-331.

- Reyna, V. F., & Brainerd, C. J. (1995). Fuzzy-trace theory: Some foundational issues [The second issue of 1995 was dedicated to eleven commentaries on the theory by scholars in learning and memory. The present article is a response to those commentaries]. *Learning and Individual Differences*, 7(2), 145-162. doi:10.1016/1041-6080(95)90028-4
- Brainerd, C. J., Reyna, V. F., & Brandse, E. (1995). Are children's false memories more persistent than their true memories? *Psychological Science*, 6(6), 359-364. doi:10.1111/j.1467-9280.1995.tb00526.x
- Brainerd, C. J., & Reyna, V. F. (1995). Autosuggestibility in memory development. *Cognitive Psychology*, 28(1), 65-101. doi:10.1006/cogp.1995.1003
- Brainerd, C. J., & Reyna, V. F. (1995). Learning rate, learning opportunities and the development of forgetting. *Developmental Psychology*, 31(2), 251-262. doi:10.1037/0012-1649.31.2.251
- Brainerd, C. J., Reyna, V. F., & Kneer, R. (1995). False-recognition reversal: When similarity is distinctive *Journal of Memory and Language*, 34(2), 157-185. doi:10.1006/jmla.1995.1008
- Reyna, V. F., & Ellis, S. C. (1994). Fuzzy-trace theory and framing effects in children's risky decision making. *Psychological Science*, 5(5), 275-279. doi:10.1111/j.1467-9280.1994.tb00625.x
- Reyna, V. F., & Kiernan, B. (1994). Development of gist versus verbatim memory in sentence recognition: Effects of lexical familiarity, semantic content, encoding instructions, and retention interval. *Developmental Psychology*, 30(2), 178-191. doi:10.1037/0012-1649.30.2.178
- Reyna, V. F. (1993). Theory and reality in psycholinguistics. *Psychological Science*, 4(1), 19-23. doi:10.1111/j.1467-9280.1993.tb00550.x
- Brainerd, C. J., Olney, C. A., & Reyna, V. F. (1993). Optimization versus effortful processing in children's cognitive triage: Criticisms, reanalyses, and new data. *Journal of Experimental Child Psychology*, 55(3), 353-373. doi:10.1006/jecp.1993.1020
- Brainerd, C. J., & Reyna, V. F. (1993). Memory independence and memory interference in cognitive development. *Psychological Review*, 100(1), 42-67. doi:10.1037/0033-295X.100.1.42
- Brainerd, C. J., Reyna, V.F., Harnishfeger, K.K., & Howe, M.L. (1993). Is retrievability grouping good for recall? *Journal of Experimental Psychology: General*, 122(2), 249-268. doi:10.1037/0096-3445.122.2.249
- Smith, K. J., Reyna, V. F., & Brainerd, C. J. (1993). The debate continues [Editorial]. *Phi Delta Kappa*, 74, 407-410.

- Brainerd, C. J., & Reyna, V. F. (1992). Explaining “memory-free” reasoning. *Psychological Science*, 3(6), 332-339. doi:10.1111/j.1467-9280.1992.tb00042.x
- Brainerd, C. J., & Reyna, V. F. (1992). The memory independence effect: What do the data show? What do the theories claim? *Developmental Review*, 12(2), 164-186. doi:10.1016/0273-2297(92)90007-O
- Reyna, V. F. (1991). Class inclusion, the conjunction fallacy, and other cognitive illusions. *Developmental Review*, 11(4), 317-336. doi:10.1016/0273-2297(91)90017-I
- Reyna, V. F., & Brainerd, C. J. (1991). Fuzzy-trace theory and children’s acquisition of scientific and mathematical concepts. *Learning and Individual Differences*, 3(1), 27-59. doi:10.1016/1041-6080(91)90003-J
- Reyna, V. F., & Brainerd, C.J. (1991). Fuzzy-trace theory and framing effects in choice: Gist extraction, truncation, and conversion. *Journal of Behavior and Decision Making*, 4(4), 249-262. doi:10.1002/bdm.3960040403
- Brainerd, C. J., Reyna, V. F., Howe, M.L., & Kevershan, J. (1991). Fuzzy-trace theory and cognitive triage in memory development. *Developmental Psychology*, 27(3), 351-369. doi:10.1037/0012-1649.27.3.351
- Reyna, V. F. (1990). Decisions and revisions. Review of *Decision making: Descriptive, normative, and prescriptive interactions*. *Contemporary Psychology*, 35, 952-953.
- Reyna, V. F., Brainerd, C. J., & Bjorklund, D.F. (1990). Editorial. *Developmental Review*, 10(1), 1-2. doi:10.1016/0273-2297(90)90002-L
- Reyna, V. F., & Brainerd, C. J. (1990). Fuzzy processing in transitivity development. *Annals of Operations Research*, 23(1), 37-63.
- Brainerd, C. J., Reyna, V. F., Howe, M. L., & Kingma, J. (1990). The development of forgetting and reminiscence. *Monographs of the Society for Research in Child Development*, 53, (3-4) doi:10.2307/1166106
- Brainerd, C. J., & Reyna, V. F. (1990). Can age x learnability interactions explain the development of forgetting? *Developmental Psychology*, 26(2), 194-203. doi:10.1037/0012-1649.26.2.194
- Brainerd, C. J., & Reyna, V. F. (1990). Gist is the grist: Fuzzy-trace theory and the new intuitionism. *Developmental Review*, 10(1), 3-47. doi:10.1016/0273-2297(90)90003-M
- Brainerd, C. J., & Reyna, V. F. (1990). Inclusion illusions: Fuzzy-trace theory and perceptual salience effects in cognitive development. *Developmental Review*, 10(4), 365-403. doi:10.1016/0273-2297(90)90020-5



- Brainerd, C. J., Reyna, V. F., & Howe, M. L. (1990). Children's cognitive triage: Optimal retrieval or effortful processing? *Journal of Experimental Child Psychology*, *49*(3), 428-447. doi:10.1016/0022-0965(90)90068-J
- Brainerd, C. J., Reyna, V. F., Howe, & M. L., Kevershan, J. (1990). The last shall be first: How memory strength affects children's retrieval. *Psychological Science*, *1*(4), 247-252. doi:10.1111/j.1467-9280.1990.tb00208.x
- Perkins, W. S., & Reyna, V. F. (1990). The effects of expertise on preference and typicality in investment decision making. *Advances in Consumer Research*, *17*, 1-6.
- Reyna, V. F. (1989). I think, therefore it is. Review of experience, memory, and reasoning. *Contemporary Psychology*, *34*, 917-918.
- Reyna, V. F., & Brainerd, C. J. (1989). Output interference, generic resources, and cognitive development. *Journal Experimental Child Psychology*, *47*(1), 42-26. doi:10.1016/0022-0965(89)90061-1
- Brainerd, C. J., & Reyna, V. F. (1989). Output-interference theory of dual task deficits in memory development. *Journal of Experimental Child Psychology*, *47*(1), 1-18. doi:10.1016/0022-0965(89)90056-8
- Reyna, V. F. (1988). Review of *Piaget's construction of the child's reality*. *Child Development Abstracts and Bibliography*, *62*, 3.
- Reyna, V. F., & Brainerd, C. J. (1988). Piaget under scrutiny. Review of *Piaget's construction of the child's reality*. *Science*, *241*, 733.
- Brainerd, C. J., & Reyna, V. F. (1988). Generic resources, reconstructive processing, and children's mental arithmetic. *Developmental Psychology*, *24*(3), 324-334. doi:10.1037/0012-1649.24.3.324
- Brainerd, C. J., & Reyna, V. F. (1988). Memory loci of suggestibility development. *Journal of Experimental Psychology: General*, *117*(2), 197-200. doi:10.1037/0096-3445.117.2.197
- Reyna, V. F. (1986). Metaphor and associated phenomena: Specifying the boundaries of psychological inquiry. *Metaphor and Symbolic Activity*, *1*(4), 271-290.
- Reyna, V. F. (1984). To have and have not: Children's metaphor in the resolution of semantic inconsistency. *Western Humor and Irony Membership Serial Yearbook*, *2*, 211-212.
- Reyna, V. F. (1981). The language of possibility and probability: Effects of negation on meaning. *Memory and Cognition*, *9*, 642-650.
- Reyna, V. F. (1981). The animated word: Modification of meaning by context [University Microfilms number 82-03153]. *Dissertation Abstracts International*, *42*, 3852B.

Reyna, V. F. (1980). Review of *Statistics for linguistics*. *International Journal of American Linguistics*, 46,150-151.

Reyna, V. F. (1978). The semantics of modal adjectives: The effects of context and negation on meaning. *CUNY Forum, Papers in Linguistics*, 6, 158-167.

## Books

Wilhelms, E. A., & Reyna, V. F. (Eds.). (2015). *Neuroeconomics, judgment, and decision making*. New York: Psychology Press.

Reyna, V. F., & Zayas, V. (Eds.). (2014). *The neuroscience of risky decision making*. Washington, DC: American Psychological Association.

Reyna, V.F., Chapman, S., Dougherty, M., & Confrey, J. (Eds.). (2012). *The adolescent brain: Learning, reasoning, and decision making*. Washington, DC: American Psychological Association.

Brainerd, C. J., & Reyna, V. F. (2005). *The science of false memory*. New York: Oxford University Press.

Howe, M. L., Brainerd, C. J., & Reyna, V. F. (Eds.). (1992). *Development of long-term retention*. New York: Springer-Verlag.

Brainerd, C. J., & Reyna, V. F. (Eds.). (1985). *Developmental psychology*. Amsterdam: North Holland.

## Book Chapters

McCormick, M., Helm, R. K., & Reyna, V. F. (in press). Expert decision-making: A fuzzy-trace theory perspective. In L. J. Ball & V. A. Thompson (Eds.), *The International Handbook of Thinking and Reasoning*. Psychology Press.

Meschkow, A. M., Nolte, J., Garavito, D. M. N., Helm, R. K., Weldon, R. B., & Reyna, V. F. (in press). Risk taking. In M. E. Arterberry, M. H. Bornstein, K. L. Fingerman, & J. E. Lansford (Eds.), *The SAGE Encyclopedia of Lifespan Human Development*. Thousand Oaks, CA: SAGE Publications.

Miller, H. L., Odegard, T. N., & Reyna, V. F. (in press). Autobiographical memory in Autism Spectrum Disorder through the lens of fuzzy trace theory. In G. Goodman & P. Mundy (Eds.), *Wiley Handbook of Autobiographical Memory, Autism Spectrum Disorder, and the Law*.

Chick, C. F., Pardo, S. T., Reyna, V. F., & Goldman, D. G. (2017). Decision Making (Individuals). In *Reference Module in Neuroscience and Biobehavioral Psychology*,

Elsevier. doi: 10.1016/B978-0-12-809324-5.06393-8

- Brust-Renck, P. G., Reyna, V. F., Wilhelms, E. A., & Lazar, A. N. (2016). A fuzzy-trace theory of judgment and decision making in healthcare: Explanation, prediction, and application. In M. A. Diefenbach, S. M. Miller, & D. J. Bowen (Eds.), *Handbook of health and decision science*. New York: Springer.
- Ferrer, R., Klein, W., Lerner, J. S., Reyna, V. F., & Keltner, D. (2016). Emotions and health decision-making: Extending the Appraisal Tendency Framework to improve health and healthcare. In C. Roberto & I. Kawachi (Eds.), *Behavioral economics and public health*. Cambridge, MA: Harvard University Press.
- Brainerd, C. J., & Reyna, V. F. (2015). Memory and knowledge in theories of episodic memory. In J. Raaijmakers & A. Criss (Eds.), *Cognitive modeling in perception and memory: A festschrift for Richard M. Shiffrin*. London: Psychology Press.
- Broniatowski, D. A., & Reyna, V. F. (2015). Formalizing risky choice with a logistic model of Fuzzy Trace Theory. In D. C. Noelle, R. Dale, A. S. Warlaumont, J. Yoshimi, T. Matlock, C. D. Jennings, & P. P. Maglio (Eds.), *Proceedings of the 37<sup>th</sup> Annual Meeting of the Cognitive Science Society* (pp. 291-296). Austin, TX: Cognitive Science Society.
- Corbin, J. C., Liberali, J. F. M., Reyna, V. F., & Brust-Renck, P. G. (2015). Intuition, interference, inhibition, and individual differences in Fuzzy Trace Theory. In E. A. Wilhelms & V. F. Reyna (Eds.), *Neuroeconomics, judgment, and decision making* (pp. 77-90). New York, NY: Psychology Press.
- Wilhelms, E. A., Corbin, J. C., & Reyna, V. F. (2015). Gist memory in reasoning and decision making: Age, experience, and expertise. In V. Thompson & A. Feeney (Eds.), *Reasoning as Memory* (pp. 93-109). New York, NY: Psychology Press.
- Wilhelms, E. A., Helm, R. K., Setton, R. A., & Reyna, V. F. (2015). Fuzzy trace theory explains paradoxical dissociations in affective forecasting. In E.A. Wilhelms & V. F. Reyna (Eds.), *Neuroeconomics, judgment, and decision making* (pp. 49-73). New York, NY: Psychology Press.
- Wilhelms, E. A. & Reyna, V. F. (2015). Introduction: Neuroeconomics, judgment and decision making. In E. A. Wilhelms & V. F. Reyna (Eds.), *Neuroeconomics, judgment, and decision making* (pp. xiii-xviii). New York, NY: Psychology Press.
- Reyna, V. R., & Brust-Renck, P. G. (2014). A review of theories of numeracy: Psychological mechanisms and implications for medical decision making. In Anderson, B. L., & Schulkin, J. *Numerical reasoning in judgments and decision making about health* (pp. 215-251). Cambridge, UK: Cambridge University Press.
- Reyna, V. F., & Huettel, S. A. (2014). Reward, representation, and impulsivity: A theoretical framework for the neuroscience of risky decision making. In V F. Reyna & V. Zayas

- (Eds.), *The neuroscience of risky decision making* (pp. 11-42). Washington, DC: American Psychological Association.
- Reyna, V. F., & Zayas, V. (2014). Introduction to the neuroscience of risky decision making. In V. F. Reyna & V. Zayas (Eds.), *The neuroscience of risky decision making* (pp. 3-8). Washington, DC: American Psychological Association.
- Broniatowski, D. A., & Reyna, V. F. (2014). A mathematical formalization of fuzzy trace theory. In P. Bello, M. Guarini, M. McShane & B. Scassellati (Eds.), *Proceedings of the 36th Annual Conference of the Cognitive Science Society* (pp. 266-271). Austin, TX: Cognitive Science Society.
- Brust-Renck, P. G., Reyna, V. F., Corbin, J. C., Royer, C. E., & Weldon, R. B. (2014). The role of numeracy in risk communication. In H. Cho, T. Reimer, & K. A. McComas (Eds.), *The SAGE handbook of risk communication* (pp. 134-145). Thousand Oaks: Sage Publications.
- Gomes, C. F. A., Cohen, B. R., Desai, A., Brainerd, C. J., & Reyna, V. F. (2014). Aging and false memory: Fuzzy-trace theory and the elderly eyewitness. In M. P. Toglia, D. Ross, J. Pozzulo, & E. Pica (Eds.), *The elderly eyewitness in court* (pp. 137-166). New York: Taylor & Francis.
- Reyna, V. F. (2013). Intuition, reasoning and development: A fuzzy-trace theory approach. In P. Barrouillet & C. Gauffroy (Eds.), *The development of thinking and reasoning* (pp. 193-220). Hove, UK: Psychology Press.
- Brainerd, C. J., & Reyna, V. F. (2013). Dual processes in memory development: Fuzzy-trace theory. In P. J. Bauer & R. Fivush (Eds.), *The Wiley handbook on the development of children's memory* (pp. 480-512). New York: Wiley & Sons.
- Broniatowski, D. A., & Reyna, V. F. (2013). Gist and verbatim in narrative memory. In M. A. Finlayson, B. Fisseni, B. Löwe & J. C. Meister (Eds.), *2013 workshop on computational models of narrative* (Vol. 32, pp. 43-51). Dagstuhl, Germany: Schloss Dagstuhl--Leibniz-Zentrum fuer Informatik.
- Corbin, J. C., Wilhelms, E. A., Reyna, V. F., & Brainerd, C. J. (2013). Theories and processes in memory development: Childhood to adolescence. In R. E. Holliday & T. Marche, (Eds.), *Child forensic psychology* (pp. 65-94). Basingstoke: Palgrave-Macmillan.
- Weldon, R. B., Corbin, J. C., & Reyna, V. F. (2013). Gist processing in judgment and decision making: Developmental reversals predicted by fuzzy-trace theory. In H. Markovits (Ed.), *The Developmental Psychology of Reasoning and Decision-Making* (pp. 36-62). New York: Psychology Press.

- Reyna, V.F. (2012) Across the lifespan. In B. Fischhoff, N.T. Brewer, & J.S. Downs (Eds.), *Communicating risks and benefits: An evidence-based user's guide* (pp.111-119). U.S. Department of Health and Human Services, Food and Drug Administration.
- Reyna, V. F. (2012). Preface. In V. F. Reyna, S. Chapman, M. Dougherty, & J. Confrey (Eds.), *The adolescent brain: Learning, reasoning, and decision making* (pp. xv-xviii). Washington DC: American Psychological Association.
- Reyna, V. F. & Dougherty, M. (2012) Epilogue: Paradoxes of the adolescent brain in cognition, emotion and rationality. In V. F. Reyna, S. Chapman, M. Dougherty, & J. Confrey (Eds.), *The adolescent brain: Learning, reasoning, and decision making* (pp. 431-435). Washington DC: American Psychological Association.
- Brainerd, C. J., Reyna, V. F., & Holliday, R. E. (2012). Development of recollection: A fuzzy-trace theory perspective. In S. Ghetti & P. J. Bauer (Eds.), *Origins and development of recollection: Perspectives from psychology and neuroscience* (pp. 101-143). New York: Oxford University Press.
- Chick, C.F. & Reyna, V.F. (2012) A fuzzy-trace theory of adolescent risk-taking: Beyond self-control and sensation seeking. In V.F. Reyna, S. Chapman, M. Dougherty, & J. Confrey (Eds.), *The adolescent brain: Learning, reasoning, and decision making* (pp. 379-428). Washington DC: American Psychological Association.
- Holliday, R.E., Humphries, J.E., Brainerd, C.J. & Reyna, V.F. (2012). Interviewing witnesses and victims. In G. Davies & A. R. Beech (Eds.), *Forensic psychology: Crime, justice, law, interventions* (pp. 115-134). New York: Wiley & Sons.
- Pignone, M., Fagerlin, A., Abhyankar, P., Col, N., Feldman-Stewart, D., Gavaruzzi, T., Kryworuchko, J., Levin, C.A., Reyna, V., Scherer, L., Stiggelbout, A., Wills, C., Witteman, H. (2012). Clarifying and expressing values. In R. Volk & H. Llewellyn-Thomas (Eds.), *2012 Update of the International Patient Decision Aids Standards (IPDAS) collaboration's background document*. Chapter D. retrieved from: <http://ipdas.ohri.ca/IPDAS-Chapter-D.pdf>.
- Zember, E., Brainerd, C. J., Reyna, V. F., & Kopko, K. A. (2012). The science of law and memory. In E. Wethington & R. E. Dunifon (Eds.), *Research for the public good: Applying the methods of translational research to improve human health and well-being* (pp. 147-167). Washington, DC: American Psychological Association.  
doi:10.1037/13744-007
- Reyna, V.F. (2011). Perspectives on judgment and decision making as a skill: A fuzzy-trace theory approach. In M.K. Dhami, A. Schlottmann, & M.R. Waldmann (Eds.), *Judgment and decision making as a skill: Learning, development and evolution* (pp. 297-298). Cambridge: Cambridge University Press.

- Geary, D. C., Berch, D. B., Boykin, A. W., Embretson, S., Reyna, V., & Siegler, R. S. (2011). Learning mathematics: Findings from the national (United States) mathematics advisory panel. In N. Canto (Ed.), *Issues and proposals in mathematics education* (pp. 175-221). Lisbon, Portugal: Gulbenkian.
- Chick, C., Pardo, S., Reyna, V.F., & Goldman, D. (2010). Decision Making (Individuals). In V. S. Ramachandran (Ed.), *Encyclopedia of human behavior, 2<sup>nd</sup> ed* (pp.651-658). San Diego: Elsevier Academic Press. doi:10.1016/B978-0-12-375000-6.00122-1
- Reyna, V. F., Estrada, S. M., & Mills, B. A. (2009). Fuzzy trace theory. In M. Kattan (Ed.), *Encyclopedia of Medical Decision Making* (pp. 520-521). California: SAGE Publications.
- Reyna, V. F., & Casillas, W. (2009) Development and dual processes in moral reasoning: A fuzzy-trace theory approach. In B. H. Ross (Series Ed.) & D.M. Bartels, C.W. Bauman, L. J. Skitka, & D. L. Medin (Eds.), *Psychology of learning and motivation*. vol. 50, *Moral judgment and decision making* (pp. 207-239). San Diego, CA: Elsevier Academic Press.
- Estrada, S. M., Reyna, V. F., & Mills, B. A., (2009). Developmental theories in medical decision making. In M. Kattan (Ed.), *Encyclopedia of Medical Decision Making* (pp. 376-379). California: SAGE Publications.
- Holliday, R. E., Brainerd, C. J., Reyna, V. F., & Humphries, J. E. (2009). The cognitive interview: Research and practice across the lifespan. In R. Bull, T. Valentine, & T. Williamson (Eds.), *Handbook of psychology of investigative interviewing: Current developments and future directions* (pp. 137-160). New York: Wiley and Sons.
- Brainerd, C. J., & Reyna, V. F. (2008). Developmental trends in spontaneous false memory, with implications for the law. In M. L. Howe, G. Goodman, & D. Cicchetti (Eds.), *Stress, trauma, and children's memory development: Neurobiological, cognitive, clinical, and legal perspectives* (pp. 302-362). New York: Oxford University Press.
- Holliday, R.E., Brainerd, C.J. & Reyna, V.F. (2008). Interviewing witnesses and victims. In G. Davies, C. Hollin, & R. Bull (Eds.), *Forensic psychology* (pp. 85-110). New York: Wiley & Sons.
- Reyna, V. F., & Mills, B. A. (2007). Interference processes in fuzzy-trace theory: Aging, Alzheimer's disease, and development. In D. Gorfein & C. MacLeod (Eds.), *Inhibition in cognition* (pp. 185-210). Washington: APA Press.
- Reyna, V. F., Mills, B. A., Estrada, S. M., & Brainerd, C. J. (2006). False memory in children: Data, theory, and legal implications. In M. P. Toglia, J. D. Read, D. F. Ross, & R. C. L. Lindsay (Eds.), *The handbook of eyewitness psychology: Memory for events* (pp. 473-510). Mahwah, NJ: Erlbaum.

- Reyna, V. F. (2005). Federal policy and scientific research. In J. S. Carlson, & J. R. Levin (Eds.), *The no child left behind legislation: Educational research and federal funding* (pp. 135-150). Greenwich, CT: Information Age Publishing.
- Reyna, V. F. (2005). The no child left behind act and scientific research: A view from Washington, DC. In J. S. Carlson, & J. R. Levin (Eds.), *The no child left behind legislation: Educational research and federal funding* (pp. 1-25). Greenwich, CT: Information Age Publishing.
- Reyna, V. F. (2005). The No Child Left Behind Act, scientific research and federal education policy: A view from Washington, D.C. In G. D. Phye, D. H. Robinson, & J. R. Levin (Eds.), *Empirical methods for evaluating educational interventions* (pp. 29-52). New York: Elsevier Academic Press.
- Reyna, V. F., Adam, M. B., Poirier, K., LeCroy, C. W., & Brainerd, C. J. (2005). Risky decision-making in childhood and adolescence: A fuzzy-trace theory approach. In J. Jacobs & P. Klaczynski (Eds.), *The development of children's and adolescents' judgment and decision-making* (pp. 77-106) Mahwah, NJ: Erlbaum.
- Wolfe C. R., Reyna, V. F., & Brainerd, C. J. (2005). Fuzzy-trace theory: Implications for transfer in teaching and learning. In J. P. Mestre (Ed.), *Transfer of learning from a modern multidisciplinary perspective* (pp. 53-88). Greenwich, CT: Information Age Publishing.
- Reyna, V. F. (2005). Fuzzy-trace theory, judgment, and decision-making: A dual-processes approach. In C. Izawa & N. Ohta (Eds.), *Human Learning and Memory: Advances in theory and application: The 4th Tsukuba International Conference on Memory* (pp. 239-256). Mahwah, NJ: Lawrence Erlbaum Associates, Publishers.
- Reyna, V. F. (2004). Why scientific research? The importance of evidence in changing educational practice. In P. McCardle & V. Chhabra (Eds.), *The voice of evidence: Bringing research to classroom educators* [A festschrift for a scientific advisor to the President on research], (pp. 47-58). Baltimore, MD: Brookes Publishing.
- Reyna, V. F., Lloyd, F. J., & Brainerd, C. J. (2003). Memory, development, and rationality: An integrative theory of judgment and decision-making. In S. Schneider & J. Shanteau (Eds.), *Emerging perspectives on judgment and decision research* (pp. 201-245). New York: Cambridge University Press.
- Effken, J, Loeb, R., Johnson, K., Johnson, S., & Reyna, V. (2001). Using cognitive work analysis to design clinical display [Proceedings of MedInfo, 2001]. In V. L. Patel, R. Rogers, & R. Haux (Eds.), (pp. 27-31) London, IOS Press.
- Lloyd, F. J., & Reyna, V. F. (2001). Clinical decision making and information management in the era of managed care. In R. C. Becker & J. S. Alpert (Eds.), *Cardiovascular medicine: Practice and management* (pp. 719-732). New York, NY: Arnold Publishing.

- Reyna, V. F., Brainerd, C. J., Effken, J., Bootzin, R., & Lloyd, F. J. (2001). The psychology of human computer mismatches. In C. Wolfe (Ed.), *Learning and teaching on the world wide web* (pp. 23-44). San Diego, CA: Academic Press.
- Brainerd, C.J., Reyna, V. F., & Poole, D. A. (2000). Fuzzy-trace theory and false memory: Memory theory in the courtroom. In D. F. Bjorklund (Ed.), *False memory creation in children and adults* (pp. 93-127). Mahwah, NJ: Erlbaum.
- Reyna, V. F. (1998). Fuzzy-trace theory and false memory. In M. Intons-Peterson & D. Best (Eds.), *Memory distortions and their prevention* (pp. 15-27). Mahwah, NJ: Erlbaum.
- Reyna, V. F., & Titcomb, A. L. (1997). Constraints on the suggestibility of eyewitness testimony: A fuzzy-trace theory analysis. In D. G. Payne & F. G. Conrad (Eds.), *A synthesis of basic and applied approaches to human memory* (pp. 157-174). Hillsdale, NJ: Erlbaum.
- Reyna, V. F. (1996). Meaning, memory and the interpretation of metaphors. In J. Mio & A. Katz (Eds.), *Metaphor: Implications and applications* (pp. 39-57). Hillsdale, NJ: Erlbaum.
- Reyna, V. F. (1995). Interference effects in memory and reasoning: A fuzzy-trace theory analysis. In F. N. Dempster & C. J. Brainerd (Eds.), *Interference and inhibition in cognition* (pp. 29-59). San Diego, CA: Academic Press.
- Reyna, V. F., & Brainerd, C.J. (1993). Fuzzy memory and mathematics in the classroom. In G. M. Davies & R. H. Logie (Eds.), *Memory in everyday life* (pp. 91-119). Amsterdam: North Holland Press.
- Titcomb, A. L., & Reyna, V. F. (1995). Memory interference and misinformation effects. In F. N. Dempster & C. J. Brainerd (Eds.), *Interference and inhibition in cognition* (pp. 263-294). San Diego, CA: Academic Press.
- Reyna, V. F., & Brainerd, C. J. (1994). The origins of probability judgment: A review of data and theories. In G. Wright & P. Ayton (Eds.), *Subjective probability* (pp.239-272). New York, NY: Wiley.
- Brainerd, C. J., & Reyna, V. F. (1993). Domains of fuzzy-trace theory. In M. L. Howe & R. Pasnak (Eds.), *Emerging themes in cognitive development: Theoretical foundation Vol. 1.* (pp. 59-93). New York, NY: Springer-Verlag.
- Reyna, V. F. (1992). Reasoning, remembering, and their relationship: Social, cognitive, and developmental issues. In M. L. Howe, C. J. Brainerd, & V. F. Reyna (Eds.), *Development of long-term retention* (pp. 103-127). New York, NY: Springer-Verlag.
- Reyna, V. F., & Brainerd, C. J. (1992). A fuzzy-trace theory of reasoning and remembering: Paradoxes, patterns, and parallelism. In A. Healy, S. Kosslyn, & R. Shiffrin (Eds.), *From*



*learning processes to cognitive processes: Essays in honor of William K. Estes* (pp. 2:235-259). Hillsdale, NJ: Erlbaum.

Brainerd, C. J., & Reyna, V. F. (1991). Acquisition and forgetting in normal and learning-disabled children: A disintegration-redintegration theory. In J. E. Obrzut & G. W. Hynd (Eds.), *Neuropsychological foundations of learning disabilities* (pp.147-178). New York: Academic Press.

Reyna, V. F. (1987). Understanding verbs: Easy extension, hard comprehension. In A. Ellis (Ed.), *Progress in the psychology of language* (pp. 3:301-315). London: Erlbaum.

Reyna, V. F. (1985). After Piaget: A diverse legacy. In C. Brainerd & V. Reyna (Eds.), *Developmental Psychology*. Amsterdam: North Holland.

Reyna, V. F. (1985). Figure and fantasy in children's language. In M. Pressley., & C. J. Brainerd (Eds.), *Cognitive learning and memory in children: Progress in cognitive development research*. New York, NY: Springer-Verlag.

Reyna, V. F. (1985). Shaping opinion: Pragmatics of topic and source. In F. Denmark (Ed.), *Social/ecological psychology and the psychology of women*. Amsterdam: North Holland.

## **Other Articles**

Brust-Renck, P. G., Nolte, J., & Reyna, V. F. (in press). Numeracy. *Oxford Encyclopedia of Health and Risk Message Design and Processing*.

Reyna, V. F., Chaudhry, S., Brust-Renck, P. G., Wilhelms, E. A., & Royer, C. E. (2013). Risk taking. *Oxford Bibliographies Online Psychology*. doi: 10.1093/obo/9780199828340-0007

Reyna, V. F., & Mixon, B., National Science Foundation (2008). Children's memory may be more reliable than adults' in court cases. *Science Daily*, from <http://www.sciencedaily.com/releases/2008/03/080313124445.htm>.

Reyna, V. F., & Farley, F. (2007). Is the teen brain too rational? *Scientific American Mind*, December 2006/January 2007.

## **PAPERS PRESENTED**

### **National/International**

Reyna, V. F., & Broniatowski, D. A. (2016, November). *Qualitative decision-making under uncertainty: A formal model of fuzzy-trace theory*. Paper presented at the 57<sup>th</sup> Annual Meeting of the Psychonomic Society, Boston, MA.

Brainerd, C. J., Gomes, C. F. A., Moran, R., & Reyna, V. F. (2016, November). *Dual*

- recollection theory*. Paper presented at the 57<sup>th</sup> Annual Meeting of the Psychonomic Society, Boston, MA.
- Helm, R. K., Franz, A. A., Heller, G. C., Novick, R. Z., & Reyna, V. F. (2016, November). *Logical but incompetent – A new approach to adjudicative competence grounded in decision making research*. Poster presented at the 37<sup>th</sup> Annual Meeting of the Society for Judgment and Decision Making, Boston, MA.
- Weldon, R. B., Reyna, V. F., Ponzio, T. A., Blansky, D. T., & Rahimi-Golkhandan, S. (2016, November). *Emotional go/no-go tasks performance predicts framing bias: A fuzzy-trace theory approach*. Poster presented at the 37<sup>th</sup> Annual Meeting of the Society for Judgment and Decision Making, Boston, MA.
- Wolfe, C. R., Smith, R. J., & Reyna, V. F. (2016, November). *A signal detection analysis of approximately equal ( $\approx$ ) judgments about breast cancer statistics*. Poster presented at the 37<sup>th</sup> Annual Meeting for the Society for Judgment and Decision Making, Boston, MA.
- Wolfe, C. R., Smith, R. J., & Reyna, V. F. (2016, November). *On judgments of approximately equal ( $\approx$ )*. Paper presented at the 57<sup>th</sup> Annual Meeting of the Psychonomic Society, Boston, MA.
- Klein, E. Y., Martinez, E., May, L., Saheed, M., Reyna, V. F., & Broniatowski, D. (2016, October). *Categorical risk perception drives variability in clinician antibiotic prescribing in the acute-care setting*. Poster presented at Infectious Diseases Week (IDWeek) 2016, New Orleans, LA.
- Broniatowski, D. A., & Reyna, V. F. (2016, August). *Process modeling of qualitative decision under uncertainty*. Paper presented at the 38<sup>th</sup> Annual Meeting of the Cognitive Science Society, Philadelphia, PA.
- Helm, R. K., Reyna, V. F., Weldon, R. B., Shah, P. D., & Turpin, A. (2016, June). *Covariations of brain activation with criminal behaviors*. Paper presented at the 6<sup>th</sup> Annual Interdisciplinary Symposium on Decision Neuroscience, Philadelphia, PA.
- Blansky, D. T., Ponzio, T. A., Reyna, V. F., & Weldon, R. B. (2016, May). *Eating behaviors predict cognitive and motivational factors in risky decision making across development: A fuzzy-trace theory approach*. Poster presented at the 28<sup>th</sup> Annual Convention of the Association for Psychological Science, Chicago, IL.
- Reyna, V. F., Weldon, R. B., & Blansky, D. (2016, April). *Young, hungry, and risky: Relationships between rewards and representations in the development of risky choice*. Paper presented at the annual meeting of the Society of Experimental Psychologists, New York, NY.
- Neumann, C., Ranadive, A., Jackson, G., & Reyna, V. F. (2016, February). *Reporting and presenting the probative value of forensic evidence in the courtroom*. Presentation at the

68<sup>th</sup> Annual Meeting of the American Academy of Forensic Sciences, Las Vegas, NV.

Reyna, V. F., Setton, R. A., McCormick, M. J., Weldon, R. B., & Evans, A. E. (2015, November). *Sensation seeking and inhibition in risky choice associated with subcortical, parietal and prefrontal activation: Fuzzy-trace theory explains reversal*. Poster presented at the 36<sup>th</sup> Annual Meeting of the Society for Judgment and Decision Making, Chicago, IL.

Brainerd, C. J., Nakamura, K., & Reyna, V. F. (2015, November). *Memory illusions: Categorical judgements produce them, confidence ratings reduce them*. Paper presented at the 56<sup>th</sup> Annual Meeting of the Psychonomic Society.

Broniatowski, D. A., & Reyna, V. F. (2015, November). *Accounting for age and cultural differences using a fuzzy-trace theory model of representation, need for cognition, and risk propensity*. Poster presented at the 36<sup>th</sup> Annual Meeting of the Society for Judgment and Decision Making, Chicago, IL.

Helm, R. K., Reyna, V. F., Meschko, A., & Weldon, R. B. (2015, November). *Separating representation, reflection, and emotional reaction: A fuzzy-trace theory approach to criminal adjudication*. Poster presented at the 36<sup>th</sup> Annual Meeting of the Society for Judgment and Decision Making, Chicago, IL.

Loeckenhoff, C. E., Rutt, J. L., Samanez-Larkin, G. R., O'Donoghue, E., & Reyna, V. F. (2015, November). *Age and preferences for temporal sequences: The role of outcome domain*. Paper presented at the 68<sup>th</sup> Annual Scientific Meeting of The Gerontological Society, Orlando, FL.

Weldon, R. B., Reyna, V. F., Corbin, J. C., Setton, R. A., & Blansky, D. (2015, November). *Young, hungry, and risky: A fuzzy trace theory of reward representation and risk taking*. Paper presented at the 56<sup>th</sup> Annual Meeting of the Psychonomic Society, Chicago, IL.

Wilhelms, E. A., Reyna, V. F., & Corbin, J. C. (2015, November). *The gist of happiness: Instability in judgments of subjective well-being predicts risk-taking*. Poster presented at the 36<sup>th</sup> Annual Meeting of the Society for Judgment and Decision Making, Chicago, IL.

Wolfe, C. R., Reyna, V. F., Widmer, C. L., & Brust-Renck, P. G. (2015, November). *Optimizing gist explanations for learning and transfer about breast cancer and genetic risk*. Paper presented at the 56<sup>th</sup> Annual Meeting of the Psychonomic Society, Chicago, IL.

Broniatowski, D., & Reyna, V. F. (2015, July). *Formalizing risky choice with a logistic model of fuzzy trace theory*. Poster presented at the 37<sup>th</sup> Annual Meeting of the Cognitive Science Society, Pasadena, CA.

Landa, Y., Mueser, K., Shreck, E., Wyka, K., Jespersen, R., Reyna, V. F., Silbersweig, D. A., Beck, A. T., & Walkup, J. (2015, June). *Group and family based CBT for youth at risk for psychosis*. Paper presented at the 46<sup>th</sup> International Meeting of the Society for

Psychotherapy Research, Philadelphia, PA.

Reyna, V. F. (2015, May). *Risky decision making in adolescents and adults: A new synthesis*. Symposium conducted at the 27<sup>th</sup> Annual Convention of the Association for Psychological Science, New York, NY.

Chick, C. F., Weldon, R. B., Evans, A., & Reyna, V. F. (2015, May). *Neurobiological and cognitive influences on risky decision making in adolescents and adults*. Paper presented at the 27<sup>th</sup> Annual Convention of the Association for Psychological Science, New York, NY.

Ishikawa, T., Smith, J., Brussoni, M., Weldon, R. B., Reyna, V. F., Bruce, B., & Pike I. (2015, May). *AUTO21 research on booster seat use: Past, present and future*. Poster presented at the AUTO21 Annual Conference: A Legacy of Collaborative Innovation, Ottawa, Canada.

Wilhelms, E. A., Setton, R. A., Corbin, J. C., Brust-Renck, P. G., & Reyna, V. F. (2015, May). *The gist of happiness: Precision of representation of subjective well-being predicts risk judgments and choice in adolescents and adults*. Paper presented at the 27<sup>th</sup> Annual Convention of the Association for Psychological Science, New York, NY.

Wolfe, C. R., Reyna, V. F., Widmer, C. L., Cedillos-Whynott, E. M. Brust-Renck, P. G., Weil, A. M., McDaniel, M., Favade, C. M., Rajkumar, V. Kalkman, J. R. Abner, H. L. & Schaller. M. A. (May, 2015). *Generating gist explanations in tutorial dialogues improves risk assessment and knowledge of breast cancer risk*. Poster presented at the 27<sup>th</sup> Annual Convention of the Association for Psychological Science, New York, NY.

Setton, R. A., Reyna, V. F., Weldon, R., Chick, C. F., & Blansky, D. (2015, May). *Individual differences in sensation seeking and behavioral inhibition are associated with subcortical and prefrontal activation: Fuzzy-trace theory explains reversals in risky choice*. Poster to be presented at the 5<sup>th</sup> Annual Interdisciplinary Symposium on Decision Neuroscience, Cambridge, MA.

Ishikawa, T., Brussoni, M., Weldon, R. B., Reyna, V. F., Bruce, B., & Pike, I. (2015, April). *Fuzzy trace theory: a “new” health behaviour model applied to an “old” public health problem*. Paper presented at the Child and Family Research Institute, Catalyst Rounds, Vancouver, Canada.

Ishikawa, T., Brussoni, M., Weldon, R. B., Reyna, V. F., Bruce, B., & Pike, I. (2015, March). *Why people underestimate the safety benefit of booster seats*. Poster presented at the University of British Columbia Multidisciplinary Undergraduate Research Conference, Vancouver, Canada.

Reyna, V. F., Evans, A. E., Chick, C. F., Weldon, R. B., Corbin, J. C., & Wilhelms, E. A. (2014, November). *Gist representations reduce risk-taking despite heightened reward sensitivity*. Paper presented at the Annual Meeting of the Psychonomic Society, Long

Beach, CA.

- Brainerd, C. J., Nakamura, K., & Reyna, V. F. (2014, November). *Memory is illogical too: Disjunction and conjunction illusions in episodic memory*. Paper presented at the Annual Meeting of the Psychonomic Society, Long Beach, CA.
- Broniatowski, D. A., & Reyna, V. F. (2014, November). *Combining gist and verbatim: A discrete choice approach to modeling fuzzy trace theory*. Poster presented at the 35<sup>th</sup> Annual Meeting of the Society for Judgment and Decision Making, Long Beach, CA.
- Brust-Renck, P. G., Corbin, J. C., Weldon, R. B., Setton, R. A., & Reyna, V. F. (2014, November). *A fuzzy-trace theory approach to risk-taking in real life: The gist numeracy scale*. Poster presented at the 35<sup>th</sup> Annual Meeting of the Society for Judgment and Decision Making, Long Beach, CA.
- Brust-Renck, P. G., Reyna, V. F., Wolfe, C. R., Morant, A. K. (2014, November). *Testing the efficacy of an Intelligent Tutoring System grounded in fuzzy-trace theory to prevent obesity*. Paper presented at the 44<sup>th</sup> Annual Meeting of the Society for Computers in Psychology, Long Beach, CA.
- Cedillos-Whynott, E. M., Wolfe, C. R., Reyna, V. F., Widmer, C. L., & Weil, A. M. (2014, November). *The case against genetic testing: The effectiveness of argumentation in an Intelligent Tutoring System*. Paper presented at the 44<sup>th</sup> Annual Meeting of the Society for Computers in Psychology, Long Beach, CA.
- Corbin, J. C., Setton, R. A., Brust-Renck, P. G., Wilhelms, E. A., & Reyna, V. F. (2014, November). *A fuzzy-trace theory approach to numeracy and framing: Objective numeracy predicts smaller framing bias but gist numeracy predicts larger framing bias*. Poster presented at the 35<sup>th</sup> Annual Meeting of the Society for Judgment and Decision Making, Long Beach, CA.
- Corbin, J. C., Reyna, V. F., Hans, V. P., & Helm, R. K. (2014, November). *The context of meaningful numbers changes jury's awards: The role of gist in jury award decisions*. Poster presented at the 35<sup>th</sup> Annual Meeting of the Society for Judgment and Decision Making, Long Beach, CA.
- Helm, R. K., Reyna, V. F., Corbin, J. C., Wilhelms, E. A., & Weldon, R. B. (2014, November). *Verbatim reasoning distinguishes risky decision making in juvenile delinquents versus age-matched controls: A fuzzy-trace theory approach*. Poster presented at the 35<sup>th</sup> Annual Meeting of the Society for Judgment and Decision Making, Long Beach, CA.
- Weldon, R. B., Reyna, V. F., Corbin, J. C., Chick, C. F., Brust-Renck, P. G., & Setton, R. A. (2014, November). *Gist processing predicts performance on the emotional go/no-go task: A fuzzy-trace theory account*. Poster presented at the 35<sup>th</sup> Annual Meeting of the Society for Judgment and Decision Making, Long Beach, CA.

- Widmer, C. L., Wolfe, C. R., Reyna, V. F., Cedillos-Whynott, E. M., & Weil, A. M. (2014, November). *Tutorial dialogues and gist explanations of genetic breast cancer risk*. Paper presented at the 44th Annual Meeting of the Society for Computers in Psychology, Long Beach, CA.
- Wilhelms, E. A., Reyna, V. F., Corbin, J. C., & Helm, R. K. (2014, November). *The gist of happiness: Eliciting gist judgments reduces instability in judgments of subjective well-being*. Poster presented at the 35<sup>th</sup> Annual Meeting of the Society of Judgment and Decision Making, Long Beach, CA.
- Wolfe, C. R., & Reyna, V. F. (2014, November). *Promising practices for encouraging gist explanations in tutorial dialogues*. Paper presented at the 44th Annual Meeting of the Society for Computers in Psychology, Long Beach, CA.
- Wolfe, C., Reyna, V. F., Brust-Renck, P. G., Widmer, C. L., Cedillos, E. M., Weil, A. M., & Fisher, C. R. (2014, November). *Processing loci of the BRCA Gist intelligent tutor: A fuzzy-trace theory approach*. Paper presented at the Annual Meeting of the Psychonomic Society, Long Beach, CA.
- Broniatowski, D., & Reyna, V. F. (2014, October). *Germs are germs, and why not take a risk?: Patients' expectations for prescribing antibiotics in an inner city emergency department*. Poster presented at the 36<sup>th</sup> Annual Meeting of the Society for Medical Decision Making, Miami, FL.
- Brust-Renck, P. G., Reyna, V., Rao, A., Blitsman, K., & Wilhelms, E. A. (2014, October). *A fuzzy-trace theory intervention to reduce distress from positive mammography screening results*. Poster presented at the 36th Annual Meeting of the Society for Medical Decision Making, Miami, FL.
- Brust-Renck, P. G., Reyna, V., Weldon, R. B., Foster, R. B., & Wilhelms, E. A. (2014, October). *A fuzzy-trace theory account of contradictory relations between risk perception and risk-taking in vaccination decisions*. Poster presented at the 36th Annual Meeting of the Society for Medical Decision Making, Miami, FL.
- Wolfe, C. R., Reyna, V., Brust-Renck, P. G., Widmer, C., Cedillos, E., Weil, A. M., Fisher, C. (2014, October). *Explaining the efficacy of the BRCA Gist intelligent tutor for genetic testing and breast cancer risk*. Paper presented at the 36th Annual Meeting of the Society for Medical Decision Making, Miami, FL.
- Chick, C. F., Reyna, V. F., Weldon, R. B., Jones-Rounds, J., Setton, R. A., Corbin, J. C., & Blansky, D. (2014, September). *Neural correlates of framing effects in highly numerate individuals: A fuzzy-trace theory analysis*. Poster presented at the Annual Meeting of the Society for Neuroeconomics, Miami, FL.
- Reyna, V. F. (2014, June). *Implications of different cognitive processing mechanisms for designing Decision Aids: Experience developing the Intelligent Tutoring System for*

- breast cancer risk assessment*. Workshop presented at the 15<sup>th</sup> Biennial European Meeting of the Society for Medical Decision Making, Antwerp, Belgium.
- Baumblatt, G., Col, N., & Reyna, V. F. (2014, June). *Designing decision aids that patients and health care providers will use*. Workshop presented at the 15<sup>th</sup> Biennial European Meeting of the Society for Medical Decision Making, Antwerp, Belgium.
- Broniatowski, D., & Reyna, V. F. (2014, April). *Incorporating interpretation into risky decision-making: A computational model*. Paper presented at the 2014 International Conference on Social Computing, Behavioral-Cultural Modeling, & Prediction, Washington, DC.
- Reyna, V. F., Chick, C. F., Ojalehto, J. D., Weldon, R. B., Corbin, J. C., & Wilhelms, E. A. (2013, November). *Individual differences in neural substrates of sensation seeking and risky choice framing*. Paper presented at the Annual Meeting of the Psychonomic Society, Toronto, Canada.
- Avrutine, J., Reyna, V. F., Wilhelms, E. A., & Brust-Renck, P. G. (2013, November). *Be afraid, be very afraid: Effects of fearful and fatalistic gists on young adult risk behavior predicted by fuzzy-trace theory*. Poster presented at the 34<sup>th</sup> Annual Meeting of the Society for Judgment and Decision Making, Toronto, Canada.
- Brainerd, C. J., Gomes, C. F. A., & Reyna, V. F. (2013, November). *Individualized measurement of dual-retrieval processes in neurocognitive impairment*. Paper presented at the Annual Meeting of the Psychonomic Society, Toronto, Canada.
- Broniatowski, D., & Reyna, V. F. (2013, November). *A mathematical theory of qualitative decision-making*. Poster presented at the 34<sup>th</sup> Annual Meeting of the Society for Judgment and Decision Making, Toronto, Canada.
- Corbin, J. C., Reyna, V. F., Wilhelms, E. A., & Weldon, R. (2013, November). *Higher decision confidence predicts more framing bias: A fuzzy-trace theory approach*. Poster presented at the 34<sup>th</sup> Annual Meeting of the Society for Judgment and Decision Making, Toronto, Canada.
- Furlan, S., Agnoli, F., & Reyna, V. F. (2013, November). *Probabilistic reasoning under time pressure: Developmental evidence for good intuition*. Poster presented at the 34<sup>th</sup> Annual Meeting of the Society for Judgment and Decision Making, Toronto, Canada.
- Nakamura, K., Brainerd, C. J., & Reyna, V. F. (2013, November). *Disjunction fallacies in episodic memory*. Poster presented at the Annual Meeting of the Psychonomic Society, Toronto, Canada.
- Weldon, R., Reyna, V. F., Wilhelms, E. A., Corbin, J. C., Chick, C., & Brust-Renck, P. G. (2013, November). *Sensation seeking and response-scale effects on rating versus categorizing rewards: A fuzzy-trace theory account*. Poster presented at the 34<sup>th</sup> Annual Meeting of the Society for Judgment and Decision Making, Toronto, Canada.

- Wolfe, C. R., Reyna, V. F., Brust-Renck, P. G. (2013, November). *BRCA Gist: An intelligent tutoring system grounded in fuzzy-trace theory*. Paper presented at the Annual Meeting of the Psychonomic Society, Toronto, Canada.
- Reyna, V. F. (2013, October). *Risky decision making: A fuzzy-trace theory framework for understanding the developing brain*. Invited address at the Decision Making and Emotion Regulation in Life-Span Transitions Conference, Berkeley, CA.
- Fraenkel, L., Wilhelms, E. A., & Reyna, V. F. (2013, October). *Do numbers make a difference?* Paper presented at the 35<sup>th</sup> Annual Meeting of the Society for Medical Decision Making, Baltimore, MD.
- Wolfe, C. R., Reyna, V. F., Brust-Renck, P. G., Weil, A. M., Widmer, C. L., Cedillos, E. M., Fisher, C. R., Damas Vannucchi, I., & Circelli, A. M. (2013, October). *Efficacy of the BRCA Gist Intelligent Tutoring System to help women decide about testing for genetic breast cancer risk*. Paper presented in the Highest Rated Abstracts session to the 35<sup>th</sup> Annual Meeting of the Society for Medical Decision Making, Baltimore, MD.
- Reyna, V. F. (2013, August). Discussant. *Multiple numeric competencies in judgment and decision processes*. Symposium conducted at the 24<sup>th</sup> Subjective Probability, Utility, and Decision Making conference, Barcelona, Spain.
- Reyna, V. F., Wilhelms, E. A., Weldon, R. B., Brust-Renck, P. G., & Corbin, J. C. (2013, August). *Beyond dual processes in framing and temporal discounting: A fuzzy-trace theory account of risky decision making*. Paper presented at the 24<sup>th</sup> Subjective Probability, Utility, and Decision Making conference, Barcelona, Spain.
- Corbin, J. C., Reyna, V. F., Wilhelms, E. A. (2013, August). *Biased, forgetful, and confident: Fuzzy-Trace Theory and framing effects*. Poster presented at the 24<sup>th</sup> Subjective Probability, Utility, and Decision Making conference, Barcelona, Spain.
- Reyna, V. F., Chick, C., Weldon, R., & Wilhelms, E. (2013, May). *Individual differences in gist representation versus sensation-seeking in neuroimaging of framing effects*. Paper presented at the Third Annual Interdisciplinary Symposium on Decision Neuroscience. Philadelphia, PA.
- Reyna, V. F., Lopes, E. A. Gichane, M. W., Lacks, R. S., Wilhelms, E. A. Derven, R. C. (2013, May). *Adolescents show unpacking and base-rate neglect effects in risk estimation, consistent with fuzzy trace theory*. Poster presented at the 25<sup>th</sup> Annual convention of the Association for Psychological Science, Washington, DC.
- Reyna, V. F., Weldon, R.B., Chick, C.F., Corbin, J.C., Wilhelms, E.A. (May, 2013). *Individual differences in gist representation versus sensation-seeking in neuroimaging of framing effects*. Paper presented at the Third Annual Interdisciplinary Symposium on Decision Neuroscience, Philadelphia, PA.



- Hans, V. P., Reyna, V. F., Corbin, J., Royer, C., & Yeh, R. (2013, May). *The meaning of money: Juries and their damage awards*. Cornell Law School & Tel Aviv Law School Joint Empirical Legal Studies conference, Buchman Faculty of Law, Tel Aviv University, Tel Aviv, Israel.
- Wilhelms, E. A., Reyna, V. F., Fraenkel, L., Evans, A. E. (2013, May). *Manipulating status quo makes a new drug more risky yet more likely: Paradoxical relationships between risk perception and risk taking predicted by fuzzy trace theory*. Poster presented at the 25<sup>th</sup> Annual Convention of the Association for Psychological Science, Washington, DC.
- Wolfe, C. R., Reyna, V. F., Widmer, C. L., Cedillos, E. M., Fisher, C. R., Brust-Renck, P. G., Chaudhry, S. & Damas Vannucchi, I. (2013, May). *Efficacy of a web-based intelligent tutoring system on genetic testing for breast cancer risk*. Paper presented at the 6<sup>th</sup> Annual Scientific Meeting of the International Society for Research on Internet Interventions, Chicago, IL.
- Morsanyi, K., & Reyna, V. F. (2013, April). *Cognitive, dispositional, and social determinants of risky behaviour in adolescence*. Paper presented at the biennial meeting of the Society for Research in Child Development, Seattle, WA.
- Toplak, M. E., & Reyna, V. F. (2013, April). *The Development of rational thinking and decision-making in typical and risky populations*. Paper presented at the biennial meeting of the Society for Research in Child Development, Seattle, WA.
- Reyna, V. F. & Brainerd, C. J. (2012, November). *Colored by intuition: How gist-based "false" memories support adaptive judgments and decisions*. Paper presented at the Annual Meeting of the Psychonomic Society, Minneapolis, MN.
- Reyna, V. F., Brust-Renck, P.G., Portenoy, A., Gichane, M., & Wilhelms, E. (2012, November). *Gist numeracy: A fuzzy-trace theory approach*. Paper presented at the Annual Meeting of the Psychonomic Society, Minneapolis, MN.
- Brainerd, C. J., Gomes, C. F. A., & Reyna, V. F. (2012, November). *Dual process in recall*. Paper presented at the Annual Meeting of the Psychonomic Society, Minneapolis, MN.
- Gomes, C. F. A., Brainerd, C. J., & Reyna, V. F. (2012, November). *A low-burden tool for measuring memory declines in healthy aging and neurocognitive impairment*. Poster presented at the Annual Meeting of the Psychonomic Society, Minneapolis, MN.
- Corbin, J. C., Reyna, V. F., & Wilhelms, E. A. (2012, November). *Focusing on (verbatim) memory leads to less framing, but focusing on (gist) memory leads to more framing: Testing fuzzy-trace theory memory hypotheses*. Paper presented at the 33<sup>rd</sup> Annual Meeting of the Society for Judgment and Decision Making, Minneapolis, MN.
- Wolfe, C. R., Reyna, V. F., Fisher, C. R., Widmer, C. L., Cedillos, E. M., & Brust-Renck, P. G.

- (2012, November). *A breast cancer genetic risk intervention increases knowledge and reduces base rate neglect*. Poster presented at the 33<sup>rd</sup> Annual Meeting of the Society for Judgment and Decision Making, Minneapolis, MN.
- Brust-Renck, P. G., Reyna, V. F., Wolfe, C. R., Cedillos, E. M., Widmer, C. L., Fisher, C. R., Wilhelms, E. A., Chaudhry, S., Lopes, E. A., Wampler, A. T., Dang, S., & Nollet, Z. M. (2012, November). *Randomized control trial of an obesity-prevention curriculum to improve psychosocial mediators to health outcomes (based on fuzzy-trace theory)*. Poster presented at the 33<sup>rd</sup> Annual Meeting of the Society for Judgment and Decision Making, Minneapolis, MN.
- Hsia, A. N., Reyna, V. F., Wilhelms, E. A., & Corbin, J. C. (2012, November). *Relationship between adolescent religiosity and delinquent behavior: Explained by fuzzy-trace theory*. Poster presented at the 33<sup>rd</sup> Annual Meeting of the Society for Judgment and Decision Making, Minneapolis, MN.
- Lazar, A. N., Reyna, V. F., & Wilhelms, E. A. (2012, November). *Desirable deviations in medical decision making in the pre-hospital Setting: A fuzzy trace theory approach*. Poster presented at the 33<sup>rd</sup> Annual Meeting of the Society for Judgment and Decision Making, Minneapolis, MN.
- Widmer, C. L., Wolfe, C. R., Reyna, V. F., Cedillos, E. M., Fisher, C. R., & Brust-Renck P. G. (2012, November). *Let's talk about breast cancer: An analysis of tutorial dialogues between women and an Intelligent Tutoring System*. Paper presented at the 42nd annual meeting of the Society for Computers in Psychology, Minneapolis, MN.
- Fisher, C. R., Wolfe, C. R., Reyna, V. F., Widmer, C. L., Cedillos, E. M., & Brust-Renck P. G. (2012, November). *Evaluating gist-based discrimination of genetic breast cancer risk using Multiple Signal Detection*. Paper presented at the 42nd annual meeting of the Society for Computers in Psychology, Minneapolis, MN.
- Wolfe, C. R., Reyna, V. F., Cedillos, E. M., Widmer, C. L., Fisher, C. R., & Brust-Renck P. G. (2012, November). *Helping women decide about testing for genetic breast cancer risk with an Intelligent Tutoring System*. Poster presented at the 42nd annual meeting of the Society for Computers in Psychology, Minneapolis, MN.
- Wolfe, C. R., Reyna, V. F., Cedillos, E. M., Widmer, C. L., Fisher, C. R., Brust-Renck, P. G. (2012, October). *An intelligent tutoring system to help women decide about testing for genetic breast cancer risk*. Paper presented at the 34th Annual Meeting of the Society for Medical Decision Making, Phoenix, AZ.
- Brust-Renck, P. G., Reyna, V. F., & Portenoy, A. (2012, October). *Gist (not verbatim) numeracy predicts diabetes medication adherence: A fuzzy-trace theory approach*. Poster presented at the 34th Annual Meeting of the Society for Medical Decision Making, Phoenix, AZ.
- Fisher, C. R., Wolfe, C. R., Reyna, V. F., Widmer, C. L., Cedillos, E. M., & Brust-Renck, P. G.

- (2012, October). *Multiple signal detection applied to gist-based discrimination of genetic risk in breast cancer*. Poster presented at the 34th Annual Meeting of the Society for Medical Decision Making, Phoenix, AZ.
- Pardo, S. T., & Reyna, V. F., (2012, October). *Protecting who I am: The role of gender identity in medical decision making*. Paper presented at the 140th American Public Health Association's Annual Meeting, San Francisco, CA.
- Reyna, V.F. (2012, August). *Risk perception and risky decision making: From viruses to vaccines*. Invited plenary address delivered at the American Psychological Association Convention, Orlando, FL.
- Reyna, V. F., Brust-Renck, P., Lazar, A. N., & Wilhelms, E.A. (2012, June). *A fuzzy-trace framework for understanding clinical intuition*. Invited talk delivered at the 7<sup>th</sup> European Workshop on Clinical Reasoning and Decision Making, Fribourg, Switzerland.
- Reyna, V.F. (2012, June). *Risky decision making: A fuzzy-trace framework for understanding the brain*. Invited key-note address delivered at the Society for Risk Analysis Europe Annual Meeting, Zurich, Switzerland.
- Landa, Y., Mueser, K., Reyna, V.F., Silbersweig, D.A., Shreck, E., Glatt, C.E., Walkup, J. (2012, June). *Family-based cognitive behavioral therapy prevention program for adolescents at high risk for psychosis*. Paper presented at the 43<sup>rd</sup> International Meeting of the Society for Psychotherapy Research, Virginia Beach, VA.
- Wilhelms, E. A., Brust-Renck, P. G., Corbin, J. C., Reyna, V. F., Liberali, J. (2012, June). *Gist-based predictors of risky behavior and problem outcomes*. Poster presented at the 2012 NeuroPsychoEconomics Conference, Rotterdam, the Netherlands.
- Chick, C.F., Reyna, V.F., Corbin, J.C. (2012, May). *Framing effects are robust to linguistic disambiguation*. Poster presented at the 2012 American Psychological Society Annual Convention, Chicago, IL.
- Corbin, J.C., Reyna, V.F., Wilhelms, E.A. (2012, May). *Memory equals more bias in framing: Memory paradoxes predicted by fuzzy-trace theory*. Poster presented at the 2012 American Psychological Society Annual Convention, Chicago, IL.
- Reyna, V.F. (2012, May). *Risk communication and risky decision making: From viruses to vaccines*. Invited presentation at the National Academy of Sciences' Sackler Colloquium, Washington, DC.
- DeFrank, J.T., Richman, A.R., Carey, L.A., Reyna, V.F., & Brewer, N.T. (2012, April). *Improving communication of genomic test results for breast cancer recurrence risk*. Paper presented at the 33<sup>rd</sup> annual meeting of the Society of Behavioral Medicine. New Orleans, LA.

- Romer, A., Reyna, V.F., & Pardo, S.T. (2012, March). *Fuzzy-trace theory explains effects of impulsivity on adolescent risk-taking behaviors: A gist for risk*. Poster presented at the 14<sup>th</sup> Biennial Meeting of the Society for Research on Adolescence. Vancouver, BC.
- Reyna, V.F. (2011, November) *Communicating the gist of risky decisions*. Invited presentation for the FDA Risk Communication Advisory Committee, Silver Springs, MD.
- Reyna, V.F. (2011, November). *Risk taking and rationality in decision-making during adolescence and emerging adulthood*. Invited talk at Kidney Week 2011, American Society of Nephrology, Philadelphia, PA.
- Hans, V.P., & Reyna, V.F. (2011, November). *To dollars from sense: Qualitative to quantitative translation in jury damage awards*. Paper presented at the 6<sup>th</sup> annual Conference on Empirical Legal Studies. Chicago, IL.
- Reyna, V.F., Kharmats, A., & Pardo, S.T. (2011, November). *Improving health outcomes for adolescents using social cognitive theory and goal-setting: A randomized control trail of the EatFit Curriculum*. Paper presented at the 32<sup>nd</sup> annual meeting of the Society for Judgment and Decision Making, Seattle, WA.
- Reyna, V.F., Wilhelms, E.A., Brust, P.G., Sui, W., Pardo, S.T., & Corbin, J.C. (2011, November). *Delay discounting and reward sensitivity: A fuzzy trace theory approach*. Poster presented at the 32<sup>nd</sup> annual meeting of the Society for Judgment and Decision Making, Seattle, WA.
- Reyna, V.F., Hsia, A., Chick, C.F., & Pardo, S.T. (2011, November). *Professional risk takers are more susceptible to framing effects: Expertise and developmental reversals in fuzzy-trace theory*. Poster presented at the 32<sup>nd</sup> annual meeting of the Society for Judgment and Decision Making, Seattle, WA.
- Brust, P.G., Reyna, V.F., Wilhelms, E.A., Sui, W., & Corbin, J.C. (2011, November). *The gist of choice: The role of numbers in decision making*. Poster presented at the 32<sup>nd</sup> annual meeting of the Society for Judgment and Decision Making, Seattle, WA.
- Wilhelms, E.A., Reyna, V.F., & Brust, P.G. (2011, November). *A better way to assess financial risk and well-being: A reliable and externally valid spendthrift scale*. Poster presented at the 32<sup>nd</sup> annual meeting of the Society for Judgment and Decision Making, Seattle, WA.
- Furlan, S., Agnoli, F., & Reyna, V.F. (2011, November). *Time pressure makes intuition evident in probability estimates: Individual differences in ratio bias*. Poster presented at the 21<sup>st</sup> annual meeting of the Society for Judgment and Decision Making, Seattle, WA.
- Reyna, V.F., Wilhelms, E.A., Brust, P.G., Sui, W., & Pardo, S.T. (2011, November). *The gist of delay discounting: Neurobiology and representation*. Paper presented at the 52<sup>nd</sup> annual meeting of the Psychonomic Society, Seattle, WA.

- Brainerd, C.J., Reyna, V.F., Kenney, A.E., Gross, C.J., & Taub, E.S. (2011, November). *Modeling episodic memory declines in Alzheimer's dementia and mild cognitive impairment: Differential characterization and early identification*. Paper presented at the 52<sup>nd</sup> annual meeting of the Psychonomic Society, Seattle, WA.
- Romer, A., & Reyna, V.F. (2011, November). *Gist for risk: Link between impulsivity and fuzzy-trace theory explanations of adolescent risk behavior*. Poster presented at the 45<sup>th</sup> annual convention of the Association for Behavioral and Cognitive Therapies, Toronto, Canada.
- Reyna, V.F. (2011, October). *Risk, rationality and neurodevelopment*. [Invited Presidential] Paper presented at the Annual Conference of the Society for Neuroeconomics, Evanston, IL.
- Wilhelms, E.A., Brust, P.G., Reyna, V.F., Pardo, S.T., Sui, W. (2011, October). *Reward sensitivity, temporal discounting, gender and risky health behaviors: A fuzzy-trace theory approach*. Paper presented at the 33<sup>rd</sup> Annual Meeting of the Society for Medical Decision Making, Chicago, IL.
- Fraenkel, L., Peters, E., Reyna, V.F. (2011, October). *"Nudging" patients towards accepting strong recommendations*. Paper presented at the 33<sup>rd</sup> Annual Meeting of the Society for Medical Decision Making, Chicago, IL.
- Reyna, V.F. (2011, September). *Opening and closing remarks*. Presented at the 3<sup>rd</sup> Biennial Urie Bronfenbrenner Conference, The Neuroscience of Risky Decision Making, Ithaca, NY.
- Reyna, V.F. (2011, August). *Intuitive and unconscious cognitive processes in fuzzy-trace theory: An advanced approach*. Paper presented at the 23<sup>rd</sup> Subjective Probability, Utility, and Decision Making conference, Kingston upon Thames, United Kingdom.
- Reyna, V.F., Wolfe, C.R., & Liberali, J.F. (2011, August). *Visual representations reduce conjunction and disjunction fallacies: Testing the overlapping classes hypothesis of fuzzy-trace theory*. Paper presented at the 23<sup>rd</sup> Subjective Probability, Utility, and Decision Making conference, Kingston upon Thames, United Kingdom.
- Reyna, V. F. (2011, August). Discussant. *Clinical reasoning*. Symposium conducted at the 23<sup>rd</sup> Subjective Probability, Utility, and Decision Making conference, Kingston upon Thames, United Kingdom.
- Furlan, S., Agnoli, F., & Reyna, V. F. (2011, June). *When context overrides numerical evidence: Ratio bias in the development of probability judgments*. Paper presented at the 41<sup>st</sup> Annual Meeting of the Jean Piaget Society, Berkeley, California (USA)
- Reyna, V.F. (2011, May). Discussant, *Affective and cognitive processes in health: Discussion*. Symposium sponsored by National Cancer Institute conducted at the 23<sup>rd</sup> annual convention of the Association for Psychological Science, Washington, D.C.

- Liberali, J.M., Reyna, V.F., Furlan, S., & Pardo, S.T. (2011, May). *Individual differences in numeracy and cognitive reflection: Fallacies in probability judgment*. Poster presented at the 23<sup>rd</sup> annual convention of the Association for Psychological Science, Washington, D.C.
- Pardo, S.T. & Reyna, V.F. (2011, May). *Gender identity, fuzzy trace theory, and medical decision making*. Poster presented at the 23<sup>rd</sup> annual convention of the Association for Psychological Science, Washington, D.C.
- Reyna, V.F., Wilhelms, E.A., Brust, P.G., Sui, W. & Pardo, S.T. (2011, May). *The role of individual differences in risky decision making*. Poster presented at the 23<sup>rd</sup> annual convention of the Association for Psychological Science, Washington, D.C.
- Reyna, V.F., Pardo, S.T., Rahman, S.H., Portenoy, A., Nollet, Z., Su, A., Alam, A., Suh, A., & Chaudhry, S. (2011, May). *Risk and rationality in the emergency department*. Poster presented at the 23<sup>rd</sup> annual convention of the Association for Psychological Science, Washington, D.C.
- Reyna, V. F., Chick, C. F., Lorsch, Z. S., Ganzel, B., Wassef, C. E., Hsia, A., Ojalehto, J. & Jaspan, O. N. (2011, May). *Neural correlates of enhanced and attenuated framing effects: Testing predictions of fuzzy-trace theory*. Poster presented at the 23<sup>rd</sup> annual convention of the Association for Psychological Science, Washington, D.C.
- Wynn, K., Cunha, F., & Reyna, V.F. (2011, May) *Decision making competence and the life cycle*, Workshop on the Future of Decision, Risk and Management Sciences, Carnegie Mellon University, Pittsburgh, PA.
- Estrada, S., Reyna, V.F. (2011, April). *Framing, mood, and risky decision making in children, adolescents, and adults*. Poster presented at the biennial meeting of the Society for Research in Child Development, Montreal, Canada.
- Brainerd, C.J., Reyna, V.F. (2011, April). *How does emotion affect developmental reversals in false memory?* Paper presented at the biennial meeting of the Society for Research in Child Development, Montreal, Canada.
- Reyna, V. F. (2011, February). *The neurodevelopment of memory and decision making: A fuzzy-trace theory approach*. Invited keynote address (Birch lecture) at the 39<sup>th</sup> annual meeting of the International Neuropsychological Society, Boston, MA.
- Reyna, V. F. (2011, February). *Risk, rational decision making, and the adolescent brain*. Invited Continuing Education Workshop at the 39<sup>th</sup> annual meeting of the International Neuropsychological Society, Boston, MA.
- Reyna, V.F., Chick, C., Pardo, S., Liberali, J., & Furlan, S., Stein, L. (2010, November). *Inhibition ability: A modulator in the normative-intuitive mismatch*. Poster presented at the 51<sup>st</sup> annual meeting of the Psychonomic Society, St. Louis, MO.

- Reyna, V. F., Liberali, J., & Brainerd, C.J. (2010, November). *Disjunction fallacies in probability judgments about the past and future*. Paper presented at the 51<sup>st</sup> annual meeting of the Psychonomic Society, St. Louis, MO.
- Brainerd, C., Reyna, V. F., Holliday, R., & Nakamura, K. (2010, November). *Memory is irrational, too: Disjunction fallacies in episodic memory*. Paper presented at the 51<sup>st</sup> annual meeting of the Psychonomic Society, St. Louis, MO.
- Reyna, V.F. (2010, November). *A new intuitionism: Meaning, memory, and development in fuzzy-trace theory*. Presidential address at the 31<sup>st</sup> annual meeting of the Society for Judgment and Decision Making, St. Louis, MO.
- Liberali, J., Furlan, S., Reyna, V.F., Stein, L., Pardo, S. (2010, November). *People with lower numeracy and cognitive reflection scores show higher occurrence of judgment fallacies*. Poster presented at the 31<sup>st</sup> annual meeting of the Society for Judgment and Decision Making, St. Louis, MO.
- Liberali, J., Reyna, V.F., Pardo, S., Furlan, S., Stein, L. (2010, November). *Is the cognitive reflection test just another numeracy test?* Poster presented at the 31<sup>st</sup> annual meeting of the Society for Judgment and Decision Making, St. Louis, MO.
- Liberali, J., Reyna, V.F., Stein, L., Pardo, S. (2010, November). *Remembering is judging as more probable*. Poster presented at the 31<sup>st</sup> annual meeting of the Society for Judgment and Decision Making, St. Louis, MO.
- Pardo, S.T., Reyna, V.F., Del Prete, C., Liang, M., Taub, E., Rahman, S., Alam, A., Nollet, Z., Su, A., Portenoy, A., Suh, A. & Lloyd, F. (2010, October). *Prediction of cardiac outcomes by physicians vs. practice guidelines*. Paper presented at the 32<sup>nd</sup> annual meeting of the Society for Medical Decision Making, Toronto, Canada.
- Hans, V., & Reyna, V. (2010, October). *From dollars to sense: Qualitative to quantitative translation in jury damage awards*. Invited presentation, Judgment by the Numbers Conference (Judgment, Decision Making and Social Behavior Project), Cornell University, Ithaca, NY.
- Reyna, V. F. (2010, June). *Risk, rationality, and development: A fuzzy-trace theory approach*, Invited address, 19<sup>ème</sup> Cours Avancé des Archives Jean Piaget, Thinking, Rationality, & Development, Geneva, Switzerland.
- Reyna, V. F. (2010, May). *Medical decision making and health*. Invited keynote address, Symposium conducted at the 20<sup>th</sup> annual Maine Medical Center Oncology Symposium, Scarborough, ME.
- Reyna, V. F. (2010, April). *Risky decision making and the adolescent brain*. Invited address at the 4th Bi-Annual Symposium on Reprogramming the Human Brain, sponsored by the

University of Texas Center for Brain Health and University of California Berkeley,  
Dallas, TX.

- Reyna, V. F. (2010, April). *The gist of risk in medical decision making: A new intuitionism*. Invited keynote address, Clinical Reasoning Workshop and European Union Meetings, London, England.
- Reyna, V.F., Mills, B. A., Goldman, D. A., Pardo, S.T., Smith, M. L., & Rieth, G. E. (2010, April). *Gist-based conceptions of risk in adolescent alcohol consumption: A fuzzy-trace theory approach*. Poster presented at the 31<sup>st</sup> annual Meeting and Scientific Sessions of the Society of Behavioral Medicine, Seattle, WA.
- Reyna, V. F., Mills, B. A., Pardo, S. T., Shreck, E. L, Romer, A. L., Smith, M. L., Lyons, C. M., Polla, D. J., & Cook, N. E. (2010, March). *Explaining contradictory relations between risk perception and risk taking: A fuzzy trace theory approach*. Poster presented at the 13<sup>th</sup> biennial meeting of the Society for Research on Adolescence, Philadelphia, PA.
- Reyna, V. F., & Brainerd, C. J. (2009, November). *Disjunction fallacies in episodic memory: Integrating fuzzy trace theory and support theory*. Paper presented at the 50<sup>th</sup> annual meeting of the Psychonomic Society, Boston, MA.
- Brainerd, C. J., & Reyna, V. F. (2009, November). *New modeling procedures, with data on aging, cognitive impairment, psychosis*. Paper presented at the 50<sup>th</sup> annual meeting of the Psychonomic Society, Boston, MA.
- Howe, M. L., Brainerd, C. J., & Reyna, V. F. (2009, November). *A new model and data on early memory development*. Paper presented at the 50<sup>th</sup> annual meeting of the Psychonomic Society, Boston, MA.
- Marche, T. A., Brainerd, C. J., Reyna, V. F., & Lane, D. G. (2009, November). *Measuring true and phantom recollection in younger and older adults with fuzzy trace theory's dual-retrieval model*. Poster presented at the 50<sup>th</sup> annual meeting of the Psychonomic Society, Boston, MA.
- Holliday, R. E., Brainerd, C. J., & Reyna, V. F. (2009, November). *Reversing developmental reversals in false memory*. Poster presented at the 50<sup>th</sup> annual meeting of the Psychonomic Society, Boston, MA.
- Marche, T. A., Brainerd, C. J., & Reyna, V. F. (2009, November). *Distinguishing true from false memories in forensic contexts: Can phenomenology tell us what's real?* Poster presented at the 50<sup>th</sup> annual meeting of the Psychonomic Society, Boston, MA.
- Wolfe, C. R., & Reyna, V. F. (2009, November). *Using Excel formulae to assess semantic coherence and logical fallacies in joint probability estimates*. Paper presented at the 39<sup>th</sup> annual meeting of the Society for Computers in Psychology, Boston, MA.



- Pardo, S. T., & Reyna, V. F. (2009, November). *Effects of identity on surgical risk taking: Attitudes, risk perceptions, and intentions*. Poster presented at the 30<sup>th</sup> annual meeting of the Society for Judgment and Decision Making, Boston, MA.
- Pardo, S. T., Reyna, V. F., Mills, B. A., Schreck, E. L., Estrada, S. M., (2009, November). *Verbatim and gist cues produce opposite relations between risk perception and risk taking: A fuzzy-trace theory approach*. Paper presented at the 30<sup>th</sup> annual meeting of the Society for Judgment and Decision Making, Boston, MA.
- Estrada, S. M., Reyna, V. F., Mills, B. A., & Pardo, S. T. (2009, November). *Mood and reward sensitivity in children, adolescents, and adults: A fuzzy-trace theory approach*. Paper presented at the 30<sup>th</sup> annual meeting of the Society for Judgment and Decision Making, Boston, MA.
- Reyna, V. F. (2009, October). *Two decades of clinical reasoning: Where do we stand now?* Invited address for a special joint plenary session of the Diagnostic Error in Medicine Meeting, and the Society for Medical Decision Making, Los Angeles, CA.
- Pardo, S. T., & Reyna, V. F. (2009, October). *Predictors of risk perception and choice in surgical decision making*. Poster presented at the 31<sup>st</sup> annual meeting of the Society for Medical Decision Making, Los Angeles, CA.
- Reyna, V. F. (2009, August). *The gist of risk: A fuzzy-trace theory approach*. Paper presented at the Subjective Probability, Utility, and Decision Making Annual Conference, Rovereto, Italy.
- Reyna, V. F. (2009, August). *Choice modeling reconsidered: Comparative heuristics*. Paper presented at the Subjective Probability, Utility, and Decision Making Annual Conference, Rovereto, Italy.
- Reyna, V. F. (2009, July). *Decision quality: A gist-based approach*. Invited address at the Annual Meeting of the Medical Editors, Foundation for Informed Medical Decision Making, Jackson Hole, WY.
- Reyna, V. F. (2009, June). *Harnessing gist-based intuition to change behavior*, National Institutes of Health, Science of Behavior Change Meeting, Washington, DC.
- Reyna, V. F. (2009, May). *Are adolescents more rational than adults?: Risk taking and growth of intuition*. Invited symposium, 21<sup>st</sup> annual convention of the Association for Psychological Science, San Francisco, CA.
- Reyna, V. F., (2009, May). *How to get published: Guidance from journal editors*. Invited speaker by Association for Psychological Science student caucus, Annual Meeting of the Association for Psychological Science, Washington, DC.
- Reyna, V. F., & Pardo, S. T. (2009, May). *Identity is an independent predictor of risk perception*

*but not choice.* Poster presented at the 21<sup>st</sup> annual convention of the Association for Psychological Science, San Francisco, CA.

- Yang, Y., Reyna, V.F., Mills, B.A., Estrada, S.M., & Brainerd, C.J. (2009, April). *Gist processing of risk reduces sexual intentions: A longitudinal study of sexual decision-making in adolescence.* Poster presented at the biennial meeting of the Society for Research and Child Development, Denver, CO.
- Rivers, S.E., Reyna, V.F., Mills, B.A., & Estrada, S.M. (2009, April). *Reducing Adolescent risk: A fuzzy-trace theory of emotion and risk taking.* Paper presented at the biennial meeting of the Society for Research and Child Development, Denver, CO.
- Holliday, R.E., Brainerd, C.J., & Reyna, V.F. (2009, April). *Development reversals in false memory under verbatim-processing condition.* Poster presented at the biennial meeting of the Society for Research and Child Development, Denver, CO.
- Holliday, R.E., Brainerd, C.J., & Reyna, V.F. (2009, April). *The effects of arousal and valance on children's true and false memories.* Poster presented at the biennial meeting of the Society for Research and Child Development, Denver, CO.
- Reyna, V. F. (2009, April). *Development of Cooperation: Insights From Cognitive Science and Animal Behavior* (E. E. Furlong & J. E. Opfer, Chairs), Discussant. Symposium conducted at the biennial meeting of the Society for Research in Child Development, Denver, CO.
- Reyna, V.F. (2009, April). *Current Theories of Adolescent Risk Taking* (S. Rivers & Reyna, V.F., Chairs), Discussant. Symposium conducted at the biennial meeting of the Society for Research in Child Development, Denver, CO.
- Reyna, V. F., & Brainerd, C. J. (2008, November). *The gist of aging: Implications for cognitive neuroscience.* Invited symposium at the 49<sup>th</sup> annual meeting of the Psychonomic Society, Chicago, IL.
- Reyna, V. F. (2008, October). *Understanding and communicating risk and benefit-What we have learned.* Invited address, American College of Rheumatology Annual Scientific Meeting, San Francisco, CA.
- Reyna, V. F., Mills, B. A., Estrada, S. M. (2008, October). *Reducing risk taking in adolescence: Effectiveness of a gist-based curriculum.* Paper presented at the 30th annual meeting of the Society of Medical Decision Making, Philadelphia, PA.
- Reyna, V.F. (2008, September). *Workshop on higher cognition in adolescence and young adults: Social, behavioral, and biological influences on learning.* Conference organizer, sponsored by National Science Foundation, Arlington, VA.
- Reyna, V. F. (2008, May). *Risk and rationality in adolescent decision-making: Implications for*

- theory, practice, and public policy.* Invited address presented at the Youth Risk Meeting for Abt Associates and U.S. Department of Health and Human Services, Bethesda, MD.
- Brainerd, C. J., & Reyna, V. F. (2008, November). *Predicting verbatim loss and gist sparing in the aged and cognitively impaired.* Paper presented at the 49<sup>th</sup> annual meeting of the Psychonomic Society, Chicago, IL.
- Brainerd, C. J., Yang, Y., Toggia, M. P., Reyna, V. F., & Stahl, C. P. (2008, November). *Emotion and false memory: The Cornell/Cortland norms.* Paper presented at the 49<sup>th</sup> annual meeting of the Psychonomic Society, Chicago, IL.
- Holliday, R. E., Brainerd, C. J., Odegard, T. N., & Reyna, V. F. (2008, November). *Child-normed category materials produce age differences in false memories.* Poster presented at the 49<sup>th</sup> annual meeting of the Psychonomic Society, Chicago, IL.
- Marche, T. A., Brainerd, C. J., Reyna, V. F., Land, D. G., & Loehr, J. D. (2008, November). *Distinguishing true from false memories: Gist-based processing predicts ability to use phenomenology to discriminate memory.* Poster presented at the 49<sup>th</sup> annual meeting of the Psychonomic Society, Chicago, IL.
- Estrada, S. M., Reyna, V. F., DeMarinis, J. A., Myers, R. M., Stanisiz, J. M., (2008, November). *A factor analysis of gambling, risk, and framing: A fuzzy-trace theory approach.* Paper presented at the 29<sup>th</sup> annual meeting of the Society of Judgment and Decision Making Conference, Chicago, IL.
- Mills, B.A., Reyna, V.F., Estrada, S.M. (2008, November). *Reducing risk taking in adolescence: Differential effects of verbatim-based versus gist-based interventions on behavioral intentions.* Paper presented at the 29<sup>th</sup> annual meeting of the Society for Judgment and Decision Making, Chicago, IL.
- Reyna, V.F., (2008, March). National Math Panel Adoption and Release Meeting, Falls Church, VA.
- Reyna, V. F., (2008, May). Invited address for Youth Risk Meeting, sponsored by Office of the Assistant Secretary for Planning and Evaluation, Washington, D.C.
- Stein, L. M., Brainerd, C. J., & Reyna, V. F. (2007, July). *False memories about true emotions: The effect of emotional labeling on memory.* Paper presented at the joint meeting of the Psychonomic Society and the Experimental Psychology Society, Edinburgh, Scotland.
- Brainerd, C. J., Aydin, C., Howe, M. L., Stein, L. M., & Reyna, V. F. (2007, July). *Pinpointing the process effects of emotion on false memory.* Paper presented at the joint meeting of the Psychonomic Society and the Experimental Psychology Society, Edinburgh, Scotland.

- Reyna, V. F. (2007, November). *Modeling the mind in fuzzy-trace theory, with implications for the human-computer interface*. Keynote address presented at the 37<sup>th</sup> Annual Meeting of the Society for Computers in Psychology (SCiP) in Long Beach, CA.
- Estrada, S. M., Reyna, V. F., Mills, B. A. (2007, November). *A fuzzy-trace theory of developmental differences in gist-based thinking and risk-taking*. Poster presented at the 28<sup>th</sup> Annual Meeting for Society for Judgment and Decision Making, Long Beach, CA.
- Aydin, C., Brainerd, C. J., Howe, M. L., & Reyna, V. F. (2007, November). *Emotion and delay effects on false memories*. Poster presented at the 48<sup>th</sup> Annual Meeting of the Psychonomic Society, Long Beach, CA
- Brainerd, C. J., Stein, L. M., Howe, M. L., Reyna, V. F., Rohenkohl, G., & Favarin Do Santos, R. (2007, November). *Gist effects of emotion on true and false memory*. Paper presented at the 48<sup>th</sup> Annual Meeting of the Psychonomic Society, Long Beach, CA
- Holliday, R. E., Brainerd, C. J., & Reyna, V. F. (2007, November). *Recognition of details never experienced*. Poster presented at the 48<sup>th</sup> Annual Meeting of the Psychonomic Society, Long Beach, CA.
- Reyna, V. F., Mills, B. A., Estrada, S. E., Brainerd, C. J. (2007, November). *Dual processes and development: Explaining contradictory relations between risk perception and risk taking*. Paper presented at the 48<sup>th</sup> Annual Meeting of the Psychonomic Society, Long Beach, CA.
- Yang, Y., Brainerd, C. J., Howe, M. L., & Reyna, V. F. (2007, November). *Semantic basis of the false-memory illusion*. Poster presented at the 48<sup>th</sup> Annual Meeting of the Psychonomic Society, Long Beach, CA.
- Mills, B. A., Reyna, V. F., & Estrada, S. E. (2007, October). *Explaining contradictory relations between risk perception and risk taking*. Paper presented at the 29<sup>th</sup> Annual Meeting of the Society for Medical Decision Making, Pittsburgh, PA.
- Reyna, V. F., Nelson, W., & Han, K.J. (2007, October). *Numeracy and informed medical decision making*. Invited address presented at the 29<sup>th</sup> Annual Meeting of the Society for Medical Decision Making, Pittsburgh, PA.
- Reyna, V. F. (2007, July). *Representation and risky decision making: An intuitionist dual-processes approach*. Served as a visiting faculty member and presented at the Summer Institute for Informed Patient Choice conference at Dartmouth Medical School, Lebanon, NH.
- Reyna, V. F. (2007, June). *Risk taking and decision making in adolescents*. Lecture presented at the John Merck Fund Summer Institute on the Biology of Developmental Disabilities, Ithaca, NY.

- Reyna, V. F. (2007, May). *Learning principles – What we know about learning*. Discussant/Chair, 19<sup>th</sup> Annual Convention of the Association for Psychological Science, Washington, DC.
- Reyna, V. F., (2007, May). *Perspectives on gist in emotion, perception, memory development neuroscience, and social psychology*. Invited paper presented at the 19<sup>th</sup> Annual Convention of the Association for Psychological Science, Washington, D.C.
- Estrada, S.M., Reyna, V. F., Mills, B. A., & Rivers, S. A. (2007, May). *Gender, cultural, and developmental differences in predictors of risk taking*. Poster presented at the 19<sup>th</sup> Annual Convention of the Association for Psychological Science, Washington, DC.
- Mills, B. A., Reyna, V. F., & Estrada, S.M. (2007, May) *Risk perception: Protection against or reflection of risk-taking behavior?* Poster presented at the 19<sup>th</sup> Annual Convention of the Association for Psychological Science, Washington, DC.
- Reyna, V. F., (2007, May). *Risk and rationality in adolescent decision making: Implication for theory, practice, and public policy*. Invited symposium at the 19<sup>th</sup> Annual Convention of the Association for Psychological Science, Washington, D.C.
- Yang, Y., Brainerd, C. J., Howe, M. L., & Reyna, V. F. (2007, May) *What is the gist of the Deese-Roediger-McDermott illusion?* Poster presented at the 19<sup>th</sup> Annual Convention of the Association for Psychological Science, Washington, DC.
- Reyna, V. F., Trope, Y., Oliva, A., Smith, S. M., Brainerd, C. J., Adolphs, R. (2007, May) *Perspectives on gist in emotion, perception, memory, development, neuroscience, and social psychology*. Invited symposium at the 19<sup>th</sup> Annual Convention of the Association for Psychological Science, Washington, DC.
- Reyna, V.F. (2007, May). *Psychological science in the public interest*. Invited symposium at the 19<sup>th</sup> Annual Convention of the Association for Psychological Science, Washington, DC.
- Reyna, V. F., (2007 April). *Dual-processes models of recognition and language processing: A fuzzy-trace theory*. Invited address at The Grand Symposium on Language and Memory, Winnipeg, Canada.
- Reyna, V. F., Mills, B. A., Estrada, S. M., & Rivers S. E. (2007, March). *A fuzzy-trace theory of adolescent risk-taking: Developmental and cultural differences*. Paper presented at the Biennial Meeting of the Society for Research in Child Development, Boston, MA.
- Brainerd, C. J., & Reyna, V. F. (2007, March). *Explaining developmental reversals in false memory*. Paper presented at the Biennial Meeting of the Society for Research in Child Development, Boston, MA.

- Reyna, V. F. (2006, February). *Understanding the gist of risk in cancer prevention*. Invited address for the Annual Meeting of the American Society of Preventive Oncology, Bethesda, MD (sponsored by the National Cancer Institute).
- Reyna, V. F., Brainerd, C. J., & Lloyd, F. J. (2006, November). *Measuring dual-processes in aging and cognitive impairment*. Paper presented at the 47<sup>th</sup> Annual Meeting of the Psychonomic Society, Houston, TX.
- Mills, B. A., Reyna, V. F., & Estrada, S. M. (2006, November). *Dual processes in risky decision making: Gist and verbatim-based modes of processing*. Poster presented at the Annual Meeting of the Society for Judgment and Decision Making, Houston, TX.
- Estrada, S. M., Reyna, V. F., & Mills, B. A. (2006, November). *Differences in active versus abstinent adolescent protective factors for intentions to have sex: A dual process approach*. Poster presented at the Annual Meeting of the Society for Judgment and Decision Making, Houston, TX.
- Brainerd, C. J., Reyna, V. F., Belinge, H., & Myers, J. (2006, November). *Repeated measures conjoint recognition*. Paper presented at the 47<sup>th</sup> Annual Meeting of the Psychonomic Society, Houston, TX.
- Aydin, C., Brainerd, C. J., & Reyna, V. F. (2006, November). *Emotion and false memory*. Poster presented at the 47<sup>th</sup> Annual Meeting of the Psychonomic Society, Houston, TX.
- Holliday, R. E., Odegard, T. N., Brainerd, C. J., Reyna, V. F., & Franklin, K. M. (2006, November). *Memory illusions for conjunctions in children and adults: The effect of thematic context*. Poster presented at the 47<sup>th</sup> Annual Meeting of the Psychonomic Society, Houston, TX.
- Reyna, V. F., Fishbein, M., Prochaska, J. O., & Spring, B. (2006, October). *Theories of medical decision making and health*. Symposium moderator and speaker at the 28<sup>th</sup> Annual Meeting of the Society for Medical Decision Making, Boston, MA.
- Reyna, V. F., Fishbein, M., Prochaska, J. O., & Spring, B. (2006, October). *Sex, drugs, and rock n' roll: An informal discussion of theories of risk communication and behavioral change. Theories of medical decision making and health*. Pre-symposium discussion held at the 28<sup>th</sup> Annual Meeting of the Society for Medical Decision Making, Boston, MA.
- Mills, B. A., Reyna, V. F., & Estrada, S. M. (2006, May) *A fuzzy-trace theory approach to predicting adolescents' estimates of future sexual activity*. Poster presented at the 18<sup>th</sup> Annual Convention of the Association for Psychological Science, New York, NY.
- Estrada, S. M., Reyna, V. F., & Mills, B. A. (2006, May) *Adolescents' perception of risks and benefits in decisions to engage in sex: A fuzzy-trace theory analysis*. Poster presented at the 18<sup>th</sup> Annual Convention of the Association for Psychological Science, New York, NY.

- Reyna, V. F. (2005, November). *Dual processes in estimating risks: A fuzzy-trace theory approach*. Paper presented at the 46<sup>th</sup> Annual Meeting of the Psychonomic Society, Toronto, Canada.
- Reyna, V. F. (2005, October). *Perceptions of breast cancer risk and screening decisions*. Paper presented at the First Annual Preconference for the Psychology of Medical Decision Making, Society for Medical Decision Making, San Francisco, CA.
- Reyna, V. F. (2005, May). *Physician medical decision making and clinical guidelines*. Paper presented at the 17<sup>th</sup> Annual Meeting of the American Psychological Society Convention, Los Angeles, CA.
- Reyna, V. F. (2005, April). *Fuzzy-trace theory of judgment and decision making*. Paper presented at the Oklahoma Kansas Judgment and Decision Making Conference, Oklahoma City, OK.
- Reyna, V. F. (2005, April). *Heuristics and analytic reasoning: A development perspective*. Discussant at the biennial meeting of the Society for Research in Child Development, Atlanta, GA.
- Reyna, V. F. (2005, April). *Memory and the brain: Aging, development, and impairment*. Paper presented at the Memory Development Preconference of the Society for Research in Child Development, Atlanta, GA.
- Reyna, V. F. (2005, March). *Interference processes in fuzzy-trace theory*. Paper presented at the Place of Inhibitory Processes in Cognition Conference, Sponsored by the American Psychological Association, Arlington, TX.
- Brainerd, C. J., Reyna, V. F., & Estrada, S. M., (2005, November). *Recollection rejection of false narrative statements*. Paper presented at the 46<sup>th</sup> Annual Meeting of the Psychonomic Society, Toronto, Canada.
- Holliday, R., Odegard, T., Brainerd, C. J., & Reyna, V. F. (2005, November). *Memory illusions and repeated testing in children: The "reversed" DRM effect*. Paper presented at the 46<sup>th</sup> Annual Meeting of the Psychonomic Society, Toronto, Canada.
- Odegard, T., Holliday, R., Brainerd, C. J., & Reyna, V. F. (2005, November). *Generating study items increases older children's reliance on gist and younger children's reliance on verbatim memories*. Paper presented at the 46<sup>th</sup> Annual Meeting of the Psychonomic Society, Toronto, Canada.
- Burke, C., Baker, J., Burnham, G., & Reyna, V. F. (2005, November). *Updating decision making guidelines: New is not always improved*. Paper presented at the Annual Meeting of the Society for Judgment and Decision Making, Toronto, Canada.

- Brainerd, C. J., & Reyna, V. F. (2005, October). *Conjoint recognition and the development of recollection and familiarity*. Paper presented at the Cognitive Development Society IV Biennial Meeting, San Diego, CA.
- Baker, J., Burnham, G., Tesoro, J., Sharama, D., & Reyna, V. (2005, March). *Physician medical decision making and clinical guidelines*. Paper presented at the Annual Meeting of the American Psychological Society, Los Angeles, CA.
- Reyna, V. F. (2004, May). *A dual-processes analysis of risky decision-making: Reconceptualizing emotion and rationality*. Invited symposium address presented at the Annual Meeting of the American Psychological Society, Chicago, IL.
- Reyna, V. F. (2004, March). *Memory, reasoning, and risk*. Paper presented at the Annual Meeting of the Society for Behavioral Medicine [Invited address for pre-conference sponsored by the National Institutes of Health], Baltimore, MD.
- Reyna, V. F., Adam, M., Poirier, K., Metz, K., Roberts, J., & Lecroy, C. (2004, November). *Dual processes in decision making: Risk, reward, and rationality*. Paper presented at the Annual Meeting of the Psychonomic Society, Minneapolis, MN.
- Brainerd, C. J., Reyna, V. F., & Holliday, R. E. (2004, November). *Using developmental data to test adult theories of false memory*. Paper presented at the Annual Meeting of the Psychonomic Society, Minneapolis, MN.
- Estrada, S., Mills, B., Reyna, V. F., Paul, R., Balawejder, A., Armstrong, J., Poirier, K., & Adam, M. (2004, November). *Is intuition rational?: A dual-processes approach*. Paper presented at the Annual Meeting of the Society for Judgment and Decision Making, Minneapolis, MN.
- Mills, B., Estrada, S., Reyna, V. F., Stuckler, D., Baker, J., Burnham, G., Tesoro, J., & Lloyd, F. (2004, October). *Evaluating clinical guidelines and predictive instruments for acute cardiac ischemia*. Paper presented at the Annual Meeting of the Society for Medical Decision Making, Atlanta, GA.
- Reyna, V. F., Metz, K., Poirier, K., Roberts, J., Adam, M., & Lecroy, C. (2004, October). *The gist of risks and benefits in adolescent decision making: Effects of age, gender, ethnicity, and experience*. Paper presented at the Annual Meeting of the Society for Medical Decision Making, Atlanta, GA.
- Reyna, V. F., & Brainerd, C. J. (2004, July). *What theories of memory tell us about the brain: Implications for aging, development and impairment*. Invited plenary address presented at the Annual Meeting of the American Psychological Association, Honolulu, HI.
- Paul, R., Reyna, V. F., & Balawejder, A. (2004, May). *A fuzzy trace theoretical explanation for adolescent risk-taking behaviors*. Paper presented at the Annual Meeting of the American Psychological Society, Chicago, IL.



- Reyna, V. F. (2003, July). *Science, practice, and policy: A user's manual*. Keynote Address at the 9<sup>th</sup> Annual International Association for Cognitive Education and Psychology Conference, Seattle, WA.
- Reyna, V. F. (2003, July). *The No Child Left Behind Act and scientific research: A view from Washington*. Symposium at the 9<sup>th</sup> Annual International Association for Cognitive Education and Psychology Conference, Seattle, WA.
- Reyna, V. F. (2003, January). *Fuzzy-trace theory, judgment, and decision-making: A dual-processes approach*. Invited paper presented at the 4<sup>th</sup> Tsukuba International Conference on Memory and Contributions, Tsukuba, Japan.
- Sonia, M. L., Reyna, V. F., Poirier, K., Adam, M. B., & LeCroy, C. (2003, November). *Adolescent risky decision-making: A fuzzy trace theory analysis*. Paper presented at the Society for Judgment and Decision Making, Vancouver, Canada.
- Holliday, R. E., Reyna, V. F., & Brainerd, C. J. (2003, November). *Reducing false memories: Recollection rejection, distinctiveness, and metacognition*. Paper presented at the 44<sup>th</sup> Annual Meeting for the Psychonomic Society, Vancouver, Canada.
- Reyna, V. F., Adam, M. B., & Muller-Poirier, K. (2003, November). *How memory and reasoning processes explain risk*. Paper presented at the 44<sup>th</sup> Annual Meeting for the Psychonomic Society, Vancouver, Canada.
- Brainerd, C. J., Reyna, V. F., Wright, R., & Mojardin, A. H. (2003, November). *Recollection rejection*. Paper presented at the 44<sup>th</sup> Annual Meeting for the Psychonomic Society, Vancouver, Canada.
- Holliday, R. E., Reyna, V. F., & Brainerd, C. J. (2003, November). *Developmental changes in false memory following gist cuing and verbatim repetition*. Paper presented at the 44<sup>th</sup> Annual Meeting for the Psychonomic Society, Vancouver, Canada.
- Reyna, V. F., Adam, M. B., & Poirier, K. L. (2003, October). *A fuzzy-trace theory of perception and judgment of health-related risks*. Paper presented at the 25<sup>th</sup> Annual Meeting for the Society for Medical Decision Making, Chicago, IL.
- Whitehurst, G. J., & Reyna, V. F. (2003, July). *Federal policy, education research, and child development*. Paper presented at the Biennial Meeting of the Society for Research in Child Development, Tampa, FL.
- Brainerd, C. J., & Reyna, V. F. (2003, April). *Fuzzy-trace theory and false memory editing*. Paper presented at the Biennial Meeting of the Society for Research in Child Development, Tampa, FL.
- Holliday, R. E., Brainerd, C. J., & Reyna, V. F. (2003, April). *Gist cuing increases the false*

- memory illusion in children*. Paper presented at the Biennial Meeting of the Society for Research in Child Development, Tampa, FL.
- Reyna, V. F. (2002, June). *A fuzzy-trace theory of clinical decision making*. Invited address at the 14<sup>th</sup> Annual Convention of the American Psychological Society, New Orleans, LA.
- Reyna, V. F. (2002, June). *A fuzzy-trace theory of medical errors*. Paper presented at the 14<sup>th</sup> Annual Convention of the American Psychological Society, New Orleans, LA.
- Reyna, V. F., Lloyd, F. J., & Hamilton, A. (2002, November). *Fuzzy probabilities in medical decision making*. Paper presented at the 43<sup>rd</sup> Annual Meeting of the Psychonomic Society, Kansas City, MO.
- Brainerd, C. J., Reyna, V. F., Holliday, R. E., & Wright, R. E. (2002, November). *Are young children susceptible to the DRM illusion?* Paper presented at the 43<sup>rd</sup> Annual Meeting of the Psychonomic Society, Kansas City, MO.
- Wolfe, C., & Reyna, V. F. (2002, November). *Improving performance on joint probability estimation: An intervention based on fuzzy-trace theory*. Paper presented at the 2002 Annual Meeting of the Society for Judgment and Decision Making, Kansas City, MO.
- Effken, J., Johnson, K., Loeb, R., Johnson, S., & Reyna, V. (2002, July). *Evaluating ecologically designed clinical information displays for trauma management*. Paper presented at the Informatics 2002, Baltimore, MD.
- Adam, M. B., Reyna, V. F., & Walsh, M. (2002, March). *Health educators' biases in risk estimation of sexually transmitted infections*. Paper presented at the 2002 STD Prevention Conference, San Diego, CA.
- Reyna, V. F. (2001, October). *Memory and medical decision-making*. Invited paper presented at the 7<sup>th</sup> Annual Graylyn Conference on Women's Cognitive Health, Winston-Salem, NC.
- Reyna, V. F. (2001, August). *A fuzzy-trace theory of medical decision making*. Paper presented at the Annual convention of the American Psychological Association, San Francisco, CA.
- Reyna, V. F. (2001, June). *False memory and faulty decision making*. Invited address at the 13<sup>th</sup> Annual Convention of the American Psychological Society, Toronto, Canada.
- Reyna, V. F., Brainerd, C. J., Wright, R., & Mojardin, A. (2001, November). *Recollection rejection*. Paper presented at the 42<sup>nd</sup> Annual Meeting of the Psychonomic Society, Orlando, FL.
- Marche, T. A., Brainerd, C. J., & Reyna, V. F. (2001, November). *Directed forgetting of false memories: Comparing implicit associative responses and fuzzy-trace theory*. Paper presented at the 42<sup>nd</sup> Annual Meeting of the Psychonomic Society, Orlando, FL.

- Reed, C., & Reyna, V. F. (2001, November). *Risk communication for human papilloma virus*. Poster presented at the 2001 Annual Meeting of the Society for Judgment and Decision Making, Orlando, FL.
- Mojardin, A., Reyna, V. F., & Brainerd, C. (2001, November). *Effects of testing repetition on false memory creation and persistence for unrelated distractors*. Poster presented at the 2001 Annual Meeting of the Society for Judgment and Decision Making, Orlando, FL.
- Miranda, V., Reyna, V. F., Lloyd, F., Whalen, P., Hazel, A., Pottahil, V., & Haverty, M. (2001, November). *Fuzzy-trace theory and clinical decision-making about cardiovascular risk*. Paper presented at the 2001 Annual Meeting of the Society for Judgment and Decision Making, Orlando, FL.
- Miranda, V., Reyna, V. F., Lloyd, F., Whalen, P., Pottahil, V., & Hazel, A. (2001, October). *Predicting acute cardiac ischemia: Judgments, guidelines, and outcomes*. Paper presented at the 23<sup>rd</sup> Annual Meeting of the Society for Medical Decision Making, San Diego, CA.
- Brainerd, C. J., & Reyna, V. F. (2001, August). *Fuzzy-trace theory and false memory*. Invited address at the Annual Convention of the American Psychological Association, San Francisco, CA.
- Brainerd, C. J., & Reyna, V. F. (2001, April). *Recollection rejection: Can children spontaneously suppress false memory reports?* Paper presented at the 2001 Society for Research in Child Development Biennial Meeting, Minneapolis, MN.
- Brainerd, C. J., & Reyna, V. F. (2001, April). *Developmental trends in false memory*. Paper presented at the 2001 Society for Research in Child Development Biennial Meeting, Minneapolis, MN.
- Reyna, V. F. (2000, November). *Phantom recollection of everyday events*. Paper will be presented at the 41<sup>st</sup> Annual Meeting of the Psychonomic Society, Inc., New Orleans, LA.
- Reyna, V. F., & Adam, M. B. (2000, December). *Fuzzy-trace theory, risk communication, and product labeling in sexually transmitted diseases*. Paper presented at the 2000 Society for Risk Analysis Annual Meeting, Arlington, VA.
- Reyna, V. F. (2000, February). *Everything you wanted to know about medical errors, but were afraid to ask*. Invited paper presented at the 38<sup>th</sup> Annual Bayesian Research Conference, Studio City, CA.
- Wolfe, C. R., & Reyna, V. F. (2000, November). *The influence of processing and representation on joint probability estimation*. Paper presented at the 41<sup>st</sup> Annual Meeting of the Psychonomic Society, New Orleans, LA.

- Payne, D. G., Calabrese, V., Ditman, T., Kwazny, J. M., Brainerd, C. J., & Reyna, V. F. (2000, November). *Testing a dual-retrieval model of veridical and false recall*. Paper presented at the 41<sup>st</sup> Annual Meeting of the Psychonomic Society, New Orleans, LA.
- Adam, M. B., & Reyna, V. F. (2000, September). *Health care professionals' biases in risk estimation of sexually transmitted infections*. Paper presented at the 22<sup>nd</sup> Annual meeting of the Society for Medical Decision Making, Cincinnati, OH.
- Reyna, V. F., Lloyd, F. J., & Brainerd, C. J. (2000, June). *Memory and reasoning processes in decision making*. Paper presented at the 12<sup>th</sup> Annual American Psychological Society Convention, Miami Beach, FL.
- Miranda, V., Reyna, V. F., & Lloyd, F. J. (2000, February). *Chest pain: A study in clinical decision making*. Abstract presented at the Western Federation of Medical Research, Carmel, CA.
- Reyna, V. F., Lloyd, F. J., & Woodard, R. (1999, November). *Psychological science and managed care: Origins of practice variation in medicine*. Paper presented at the 40<sup>th</sup> Annual Meeting of the Psychonomic Society, Los Angeles, CA.
- Wolfe, C. R., & Reyna, V. F. (1999, November). *Conjunction, disjunction, and representation: The effects of world knowledge on joint probability estimation*. Paper presented at the Annual Meeting of Society for Judgment and Decision Making, Los Angeles, CA.
- Brainerd, C. J., & Reyna, V. F. (1999, April). *Children's retention of true and false memories: The role of trace decay*. Paper presented at the Biennial meeting of the Society of Research and Children's Development, Albuquerque, NM.
- Reyna, V. F., & Lloyd, F. J. (1998, November). *Fuzzy-trace theory and source-monitoring explanations of false memories*. Paper presented at the 39<sup>th</sup> Annual Meeting of the Psychonomic Society, Dallas, TX.
- Lloyd, F. J., Reyna, V. F., & Woodard, R. (1998, October). *Physicians' decisions and agency for health care policy and research guidelines predict medical outcomes for patients with chest pain*. Paper presented at the 20<sup>th</sup> Annual Meeting of the Society for Medical Decision Making, Cambridge, MA.
- Reyna, V. F. (1997, November). *A fuzzy-trace theory of rationality*. Paper presented at the Annual meeting of Judgment and Decision Making Society, Philadelphia, PA.
- Reyna, V. F. (1997, May). *Understanding the different types of positive/negative information effects: Commentary*. Invited paper presented at the 9<sup>th</sup> Annual Convention of the American Psychological Society, Washington, DC.

- Reyna, V. F. (1997, April). *Explaining children's source memory errors: Theory and data*. Paper presented at the Society for Research in Child Development Conference, Washington, DC.
- Reyna, V. F. (1997, April). *Memory relationships*. Paper presented at the Society for Research in Child Development Conference, Washington, DC.
- Woodard, R. L., & Reyna, V. F. (1997, November). *Memory-reasoning independence in covariation judgment: A fuzzy-trace theory analysis*. Paper presented at the Society for Judgment and Decision Making Annual Meeting, Philadelphia, PA.
- Brainerd, C. J., Mojardin, A., & Reyna, V. F. (1997, November). *Children's spontaneous false memory*. Paper presented at the Psychonomic Society Meeting, Philadelphia, PA.
- Stein, L. M., & Reyna, V. F. (1997, November). *False memory in a juror-type situation: Fuzzy-trace theory analysis*. Paper presented at the Society for Judgment and Decision Making Annual Meeting, Philadelphia, PA.
- Reyna, V. F., Lloyd, F. J., & Woodard, R. (1997, October). *Deviations from practice guidelines for unstable angina*. Paper presented at the 19<sup>th</sup> Annual Meeting of the Society for Medical Decision Making, Houston, TX.
- Reyna, V. F. (1996, October). *Repetition dissociates verbatim and gist memory for narratives*. Paper presented at the 37<sup>th</sup> Annual Meeting of the Psychonomic Society, Chicago, IL.
- Reyna, V. F., & Fischhoff, B. (1996, November). *Honoring the influence of Amos Tversky: A memoriam by his students*. Paper presented at the Symposium organized for the Society for Judgment and Decision Making. Annual Meeting, Chicago, IL.
- Titcomb, A. L., & Reyna, V. F. (1996, November). *False memories, memory judgments and time*. Paper presented at the Annual meeting of Society for Judgment and Decision Making, Chicago, IL.
- Reyna, V. F. (1995, November). *Fuzzy-trace theory and false memory in children and adults*. Paper presented at the 36<sup>th</sup> Annual Meeting of the Psychonomic Society, Los Angeles, CA.
- Reyna, V. F. (1995, June). *When meaning interferes with memory: Fuzzy alternatives to constructivism*. [Symposium on Noninterference Theory] Invited paper presented at the Seventh Annual Conference of the American Psychological Society, New York, NY.
- Reyna, V. F. (1995, March). *Developmental differences in children's risky decision making: A fuzzy-trace theory analysis*. [Symposium on Children's Use of Heuristics and Intuitive Reasoning: What Develops?] Paper presented at the Biennial Meeting of the Society for Research in Child Development, Indianapolis, IN.

- Titcomb, A. L., & Reyna, V. F. (1995, November). *Memory representation, contradiction, and false memory: A fuzzy-trace theory analysis*. Paper presented at the Annual Meeting of the Judgment and Decision Making Society, Los Angeles, CA.
- Reyna, V. F., & Brainerd, C. J. (1995, March). *Autosuggestion as a source of children's false memories*. [Symposium on Children's False Memories: Theory and Data] Paper presented at the Biennial Meeting of the Society for Research in Child Development, Indianapolis, IN.
- Reyna, V. F., & Mattson, S. (1994, November). *Risk and biases in decision making*. Paper presented at the 35<sup>th</sup> Annual Meeting of the Psychonomic Society, St. Louis, MO.
- Titcomb, A. L., & Reyna, V. F. (1994, November). *Misinforming gist versus verbatim memory: A fuzzy-trace theory analysis*. Paper presented at the Annual Meeting of the Judgment and Decision Making Society, Louis, MO.
- Reyna, V. F., & Ellis, S. (1994, July). *Risky decision making in childhood and adolescence*. Invited paper presented at the Third Practical Aspects of Memory Conference, College Park, MD.
- Reyna, V. F., & Titcomb, A. L. (1994, July). *Constraints on the suggestibility of eyewitness testimony*. Poster presented at the Third Practical Aspects of Memory Conference, College Park, MD.
- Reyna, V. F. (1993, March). *Intuitive thought and the development of numerical reasoning*. [Symposium on New Perspectives on the Development of Intuition.] Paper presented at the Biennial Meeting of the Society for Research in Child Development, New Orleans, LA.
- Ellis, S. C., & Reyna, V. F. (1993, November). *The emergence of framing in middle childhood*. Paper presented at the Annual Meeting of the Society for Judgment and Decision Making, Washington, DC.
- Fulginiti, J. V., & Reyna, V. F. (1993, November). *Qualitative versus quantitative processing in decision making: A fuzzy-trace theory analysis*. Paper presented at the Annual Meeting of the Society for Judgment and Decision Making, Washington, DC.
- Titcomb, A. L., & Reyna, V. F. (1993, November). *Gist and verbatim misinformation: A fuzzy-trace theory analysis*. Paper presented at the Annual Meeting of the Society for Judgment and Decision Making, Washington, DC.
- Reyna, V. F. (1992, November). *Selective processing effects and theories of choice*. Paper presented at the 33<sup>rd</sup> Annual Meeting of the Psychonomic Society, (also chaired another session on Judgment and Decision Making), St. Louis, MO.

- Reyna, V. F., & Fulginiti, J. (1992, November). *Ambiguity, precision, and choice: A fuzzy-trace analysis*. Paper presented at the Annual Meeting of the Society for Judgment and Decision Making, St. Louis, MO.
- Titcomb, A., & Reyna, V. (1992, November). *Gist, verbatim memory, and suggestibility: Effects of different types of misinformation*. Paper presented at the Annual Meeting of the Society for Judgment and Decision Making, St. Louis, MO.
- Reyna, V. F. (1991, June). *Reasoning-remembering relationships in the development of working memory*. Invited paper presented as part of the symposium, "Development of working memory." Paper presented at the 11<sup>th</sup> Biennial Meeting of the International Society for the Study of Behavioral Development, Minneapolis, MN.
- Reyna, V. F. (1991, April). *Cognitive illusions in judgment and decision making: Childhood through adolescence*. Invited paper presented as part of the symposium "The Development of Children's Decision-Making Behavior." Paper presented at the Society for Research in Child Development, Seattle, WA.
- Reyna, V. F. (1991, April). *Fuzzy-trace theory*. Presented as part of the symposium "Theories of Cognitive Development for the 1990s." Paper presented at the Society for Research in Child Development, Seattle, WA.
- Reyna, V. F., & Narter, C. (1991, November). *Theoretical implications of children's decision making*. Presented at the 32<sup>nd</sup> Annual Meeting of the Psychonomic Society, San Francisco, CA.
- Reyna, V. F. (1990, November). *Categorical versus compensatory reasoning and inconsistent choice*. Paper presented at the 31<sup>st</sup> Annual Meeting of the Psychonomic Society, New Orleans, LA.
- Reyna, V. F. (1990, August). *Fuzzy phrases and fuzzy choices*. Invited presentation at the Third Annual Nags Head Conference on Judgment and Decision Making, Kill Devil Hills, NC.
- Reyna, V. F., Brainerd, C. J., & Connolly, T. (1990, October). *Just the bottom line, please: A fuzzy-trace theory of framing effects in choice*. Invited paper presented at the Fifth International Conference on the Foundation and Applications of Utility, Risk, and Decision Theories, Duke University, Durham, NC.
- Reyna, V. F., & Brainerd, C. J. (1989, April). *Development of forgetting: A disintegration/reintegration theory*. Presented as part of the symposium on, "Children's Ability to Remember Witnessed Events: Theoretical and Applied Perspectives." Paper presented at the Biennial Meeting of the Society for Research in Child Development, Kansas City, MO.

- Reyna, V. F., & Brainerd, C. J. (1989, November). *Fuzzy-trace theory of framing effects in choice*. Paper presented at the 30<sup>th</sup> Annual Meeting of the Psychonomic Society, Atlanta, GA.
- Perkins, W. S., & Reyna, V. F. (1989, March). *The effects of expertise on preference and typicality in investment decision making*. Paper presented at the Annual Meeting of the Association of Consumer Research, New Orleans, LA.
- Reyna, V. F. (1988, June). *Reiterative versus reconstructive memory in opinion change*. Invited presentation at the First Annual Nags Head Conference, Judgment and Decision Making, Kill Devil Hills, NC.
- Reyna, V. F. (1988, August). *Reconstructing metaphor: Definition and development*. Invited address at the Annual Meeting of the American Psychological Association, Atlanta, GA.
- Brainerd, C. J., & Reyna, V. F. (1988, November). *V curves in memory development*. Paper presented at the 29<sup>th</sup> Annual Meeting of the Psychonomic Society, Chicago, IL.
- Reyna, V. F., & Brainerd, C. J., Woodruff, W. J. (1987, November). *On the relationship between memory and judgment in opinion change*. Paper presented at the 28<sup>th</sup> Annual Meeting of the Psychonomic Society, Seattle, WA.
- Reyna, V. F. (1984, August). *After Piaget: A diverse legacy*. Invited address at the Piaget Memorial Symposium, 23<sup>rd</sup> International Congress of Psychology, Acapulco, Mexico.
- Reyna, V. F. (1984, August). *Shaping opinion*. Invited address at the Symposium on Opinion Formation and Social Cognition, 23<sup>rd</sup> International Congress of Psychology, Acapulco, Mexico.
- Reyna, V. F. (1983, November). *To believe or not believe: Pragmatics of topic and source*. Paper presented at the 24<sup>th</sup> Annual Meeting of the Psychonomic Society, San Diego, CA.
- Reyna, V. F. (1983). *The organization of belief: Claims and credibility*. Invited address at the Third International Symposium on Forecasting, (also chaired session on Communication of Forecasts), Philadelphia, PA.
- Reyna, V. F. (1980). *When words collide: Interpretation of selectionally opposed nouns and verbs*. Invited address at the Symposium on Metaphor and Thought, sponsored by the Alfred P. Sloan Foundation, University of Chicago, Center for Cognitive Science, Chicago, IL.
- Reyna, V. F. (1979, November). *Metaphor comprehension and word meaning*. Paper presented at the 20<sup>th</sup> Annual Meeting of the Psychonomic Society, Phoenix, AZ.



- Reyna, V. F. (1979, August). *Prototype and relational models of categorization*. Paper presented at the 87<sup>th</sup> Annual Convention of the American Psychological Association, New York, NY.
- Reyna, V. F. (1978, November). *Modality and probability in the lexicon*. Paper presented at the 19<sup>th</sup> Annual Convention of the Psychonomic Society, San Antonio, TX.
- Reyna, V. F. (1978). *The semantics of modal adjectives*. Paper presented at the Northeast Linguistics Society 9<sup>th</sup> Annual Meeting, New York, NY.
- Reyna, V. F. (1978, May). *Possibility and probability in the lexicon*. Paper presented at the 48<sup>th</sup> Annual Convention of the Eastern Psychological Association, Washington, DC.
- Reyna, V. F. (1975). *The effects of formal pertaining on the solution of verbally stated problems*. Paper presented at the Mount Holyoke Research Conference, South Hadley, MA.

## Regional

- Dower, L., Brust-Rench, P., Wilhelms, E. A., & Reyna, V. F. (2014, September). *Health and the brain neuroscience outreach*. Poster presented at the 2014 Cornell Cooperative Extension Summer Internship Poster Session. Cornell University, Ithaca, NY.
- Blansky, D., Wilhelms, E. A., Reyna, V. F. (2013, September). *Health and the brain neuroscience outreach: Laboratory for Rational Decision Making*. Poster presented at the 2013 Cornell Cooperative Extension Summer Internship Poster Session. Cornell University, Ithaca, NY.
- Jaspan, O., & Reyna, V. F. (2013, April). *Covariates of the framing effect: An fMRI investigation of dual processing and fuzzy trace theory*. Poster presented at the Hunter R. Rawlings III Cornell Presidential Research Scholars Senior Expo. Cornell University, Ithaca, NY.
- Avrutine, J., & Reyna, V. F. (2013, April). *Be afraid, be very afraid: Predictive effects of fearful and fatalistic attitudes on young adult risk behavior*. Poster presented at the 28<sup>th</sup> Annual Spring Research Forum of the Cornell Undergraduate Research Board. Cornell University, Ithaca, NY.
- Nollet, Z., & Reyna, V. F. (2013, April). *Neural connectivity and the framing effect: Is greater connectivity associated with greater rationality*. Poster presented at the 28<sup>th</sup> Annual Spring Research Forum of the Cornell Undergraduate Research Board. Cornell University, Ithaca, NY.
- Meyers, N., Williams, M., Lauderback, C., Xu, S., Silverman, V., Fugere, T., Shen, J., Drucker, M., Gribben, J., Wood, A., Nanda, S., MacDonald, J., Brainerd, C. J., & Reyna, V. F. (2013, April). *The memory, aging, and cognitive impairment (MACIS): Preliminary findings*. Poster presented at the 28<sup>th</sup> Annual Spring Research Forum of the Cornell Undergraduate Research Board. Cornell University, Ithaca, NY.

- Steinberg, J., & Reyna, V. F. (2013, April). *A fuzzy-trace theory approach to decision making*. Poster presented at the 28<sup>th</sup> Annual Spring Research Forum of the Cornell Undergraduate Research Board. Cornell University, Ithaca, NY.
- Lopes, E., & Reyna, V. F. (2013, April). *Evaluating fuzzy trace theory and theory of reasoned action/planned behavior and their application to fitness and diet decision-making in young adults*. Poster presented at the 28<sup>th</sup> Annual Spring Research Forum of the Cornell Undergraduate Research Board. Cornell University, Ithaca, NY.
- Reyna, V., Pardo, S., Booker, K., Davis-Manigaulte, J., Luc, M., Gonzales, E., et al., (2011, April). *Interventions to reduce risky decision-making in adolescents*. Poster presented at the Conference of the Applied Research and Extension Program Council. Cornell University, Ithaca, NY.
- Romer, A., & Reyna, V.F. (2011, April). *Gist for risk: Link between impulsivity and fuzzy trace theory explanations of adolescent risk behavior*. Poster presented at the 26<sup>th</sup> Annual Spring Research Forum of the Cornell Undergraduate Research Board. Cornell University, Ithaca, NY.
- Hsia, A., & Reyna, V.F. (2011, April). *Are professional risk takers immune to reasoning bias? Personality, age and occupation correlates of framing behavior*. Poster presented at the 26<sup>th</sup> Annual Spring Research Forum of the Cornell Undergraduate Research Board. Cornell University, Ithaca, NY.
- Gross, C., Kenney, A., Granat, L., Li, B, Brainerd, C.J., & Reyna, V.F. (2011, April). *Memory, aging, and cognitive impairment*. Poster presented at the 26<sup>th</sup> Annual Spring Research Forum of the Cornell Undergraduate Research Board. Cornell University, Ithaca, NY.
- Wassef, C., Ojalehto, J., & Reyna, V.F. (2011, April). *The neural correlates of enhanced and attenuated framing effects: Testing predictions of fuzzy trace theory*. Poster presented at the 26<sup>th</sup> Annual Spring Research Forum of the Cornell Undergraduate Research Board. Cornell University, Ithaca, NY.
- Rahman, S., Su, A., Nollet, Z., Alam, A., Suh, A., Chaudhry, S., & Reyna, V.F. (2011, April). *Risk and rationality in the emergency department*. Poster presented at the 26<sup>th</sup> Annual Spring Research Forum of the Cornell Undergraduate Research Board. Cornell University, Ithaca, NY.
- Taub, E., Gross, C., Reyna, V.F., & Brainerd, C.J. (2010, April). *Memory, Aging, and Cognitive Impairment*. Poster presented at the 25<sup>th</sup> Annual Spring Research Forum of the Cornell Undergraduate Research Board. Cornell University, Ithaca, NY.
- Goetz, H., & Reyna, V.F. (2010, April). *The perils of pessimism: Predictive effects of negative expectation for the future on adolescent risk behavior*. Poster presented at the 25<sup>th</sup> Annual Spring Research Forum of the Cornell Undergraduate Research Board. Cornell

University, Ithaca, NY.

- Kharmats, A., Koproske, K. M., Kozhevnikov, D., Russo, J. M., Wong, P. T., & Reyna, V. F. (2009, April). *A fuzzy-trace theory and suggestibility in false memories*. Poster session presented at the annual spring research forum of the Cornell Undergraduate Research Board, Ithaca, NY.
- Birnhak, S. H., & Reyna, V. F. (2009, April). *The importance of risk perception in surgery*. Poster session presented at the annual spring research forum, of the Cornell Undergraduate Research Board, Ithaca, NY.
- Taub, E. S., & Reyna, V. F. (2009, April). *Memory, aging, and cognitive decline*. Poster session presented at the annual spring research forum, of the Cornell Undergraduate Research Board, Ithaca, NY.
- Shreck, E. L., Smith, M. L., Romer, A. L., Lorsch, Z. S., Lee, K. H., Cook, N. E., & Reyna, V. F. (2009, April). *The gist of risk: Explaining contradictory relations in risk perception over*. Poster session presented at the annual spring research forum, of the Cornell Undergraduate Research Board, Ithaca, NY.
- Huss, B. E., Pritchett, L., Saifi, S., Koproske, K. M., & Reyna, V. F. (2009, April). *Memory and misinformation in eyewitness testimony*. Poster session presented at the annual spring research forum, of the Cornell Undergraduate Research Board, Ithaca, NY.
- Ediriweera, H. N., & Reyna, V. F. (2009, April). *Identifying and characterizing avipoxvirus in American crows (Corvis brachyrhynchos) from Tompkins County, New York and in historic Galapagos finches*. Poster session presented at the annual spring research forum, of the Cornell Undergraduate Research Board, Ithaca, NY.
- Miller, A. C., Alam, A., Birnhak, S. H., Del Prete, C. J., Ediriweera, H. N., Liang, T., Rahman, S. H., Taub, E. S., & Reyna, V. F. (2009, April). *Risk & rationality in medical decision-making*. Poster session presented at the annual spring research forum, of the Cornell Undergraduate Research Board, Ithaca, NY.
- Reyna, V.F., (2008, October). *Issues in the panels work: An insider's view*. Invited address for the Community Forum on Mathematics Education., Ithaca, NY.
- Reyna, V. F. (2007, November). *How people make decisions that involve risk*. Inside Cornell Media Luncheon, New York, NY.
- Reyna, V. F. (2007, January). *Toward a developmental model for juvenile justice*. Invited address at the 130<sup>th</sup> Annual Meeting of the New York State Bar Association (Committee on Children and the Law), New York, NY.
- Reyna, V. F., (2007, May,). *Risk and rationality in adolescent decision making: Implications for theory, practice, and public policy*. Paper presented at the Human Development Research

Update, Ithaca, NY.

- Burnham, G., Tesoro, J., Baker, J., Coffey, A., Dhanani, N., & Reyna, V. (2005, April). *Physician medical decision making and clinical guidelines*. Paper presented at the Annual Celebration of Excellence by Students, Arlington, TX.
- Tesoro, J., Baker, J., Burnham, G., Crouse, J., Burke, C., & Reyna, V. (2005, February). *Risky decision making and medical decisions*. Paper presented at the Third Annual Psychology Convention. Arlington, TX.
- Reyna V. F., & Brainerd, C.J. (2004, October). *What theories of memory tell us about the brain: Aging, development and impairment*. Presented at the Annual Meeting of the Armadillo Southwest Cognition Conference, Arlington, TX.
- Reyna, V. F. (2000, November). *How do we make decisions?* Paper presented at the 2000 Arizona Chapter Scientific Meeting of the American College of Physicians-American Society of Internal Medicine, Scottsdale, AZ.
- Lloyd, F. J., & Reyna, V. F. (1998). *Overview of medical informatics and decision making laboratory outcomes research*. Presented at the Arizona Health Outcomes Conference, Tempe, AZ.
- Maloney, K., Reyna, V.F., Krupinski, E., & Standin, J. (1997, October). *Fuzzy-trace theory: The development of expertise in radiology*. Presented at the 7th Far West Image Perception Conference, Tucson, AZ.
- Brainerd, C. J., & Reyna, V. F. (1993, April). *Fuzzy-trace theory: Principles and prospects*. Invited address presented at the Western Psychological Association and Rocky Mountain Psychological Association, Phoenix, AZ.
- Titcomb, A. L., & Reyna, V. F. (1993, November). *Distortion in memory for stories*. Paper presented at the Annual Meeting of the Arizona Educational Research Organization, Tucson, AZ.
- Wilkes, G., & Reyna, V. F. (1993, November). *To remember or to categorize*. Paper presented at the Annual Meeting of the Arizona Educational Research Organization, Tucson, AZ.
- Reyna, V. F. (1993, April). Discussant at the *Symposium on the pragmatics of metaphor*. Western Psychological Association and Rocky Mountain Psychological Association, Phoenix, AZ.
- Narter, C., & Reyna, V. F. (1992). *Compensatory reasoning and framing effects in choice*. Paper presented at the Southwestern Society for Research in Human Development, Phoenix, AZ.
- Reyna, V. F. (1991). *Education: K through 20*. Chair and Presenter at the Arizona Association of Chicanos in Higher Education, Phoenix, AZ.

Reyna, V. F. (1988). *The role of education*. Invited address at the Arizona Hispanic Women's Corporation, Phoenix, AZ.

Reyna, V. F. (1983). *To have and have not: Children's metaphor in the resolution of semantic inconsistency*. Invited address at the Western Humor and Irony Membership Conference on Metaphor, Phoenix, AZ.

## **RESEARCH INTERESTS**

Cognition and cognitive development  
 Language and communication  
 Learning and development  
 Medical judgment and decision-making  
 Memory and suggestibility  
 Reasoning and information processing  
 Risky decision-making by children, adolescents, and adults  
 Social judgment and decision-making

## **RESEARCH FUNDING**

### **Federal**

National Science Foundation, "Quantitative Judgments in Law: Studies of Damage Award Decision Making," *Principal Investigator*, \$389,996; 2015-2018.

United States Department of Agriculture, "Health and the Brain: Supporting Research-Community Partnerships in Human Development and Neuroscience Research," *Principal Investigator*, \$75,000; 2013-2016.

National Institutes of Health, "Age Differences in Preferences for and Responses to Temporal Sequences," *Collaborator*, \$405,682; 2013-2015.

National Institutes of Health (National Institute of Nursing Research), "The Gist of Hot and Cold Cognition in Adolescents' Risky Decision Making," *Principal Investigator*, \$1,769,043; 2012-2016.

Sidney R. Baer, Jr. Foundation, "Cognitive Behavioral Therapy for the Prevention of Paranoia in Adolescents at High Risk," *Advisor*, \$256,880; 2012-2014.

National Institutes of Health (National Cancer Institute), "A Web Tutor to Help Women Decide About Testing for Genetic Breast Cancer Risk," *Principal Investigator*, \$ 364,120; 2011-2014.

United States Department of Agriculture, "Building Research-Community Partnerships to

- Reduce Risk-Taking in Adolescence,” *Principal Investigator*, \$76,867; 2010-2013.
- United States Department of Agriculture, “Using Information Technology to Support Research-Based Community Partnerships,” *Principal Investigator*, \$90,000; 2010-2013
- National Institutes of Health, “Low-Burden Tools for Improving Prediction and Diagnosis of Cognitive Impairment,” *Principal Investigator*, \$764,069; 2009-2012.
- National Institutes of Health, “Cognitive Behavioral Therapy for the Prevention of Paranoia in Adolescents at High Risk,” *Mentor*, \$256,880; 2010-2012.
- United States Department of Agriculture, “Reducing Risk Taking in Adolescence Using Gist-Based Curricula,” *Principal Investigator*, \$49,500; 2009-2012.
- United States Department of Agriculture, “De-stigmatizing Fruits and Vegetables in School Cafeterias,” *Co-Principal Investigator*, \$29,000; 2009-2012.
- National Institutes of Health, National Human Genome Research Institute, “Assessing Risk Communication Educational Practices in Genetic Counseling Programs,” *Expert Consultant*, \$413,798; 2008-2011.
- National Science Foundation, “Development of Higher Order Cognitive Processes in Adolescence and Young Adulthood: Social, Behavioral, and Biological Influences on Learning,” *Principal Investigator*, \$99,961; 2008-2010.
- National Institutes of Health (National Cancer Institute), “Basic and Applied Decision Making in Behavioral Research,” *Principal Investigator*, \$127,316; 2007-2008.
- National Institutes of Health (National Cancer Institute), “Better Decisions, Better Care: Theories of Medical Decision Making and Health,” *Principal Investigator*, \$49,006; 2006-2008.
- National Institutes of Health, “Interventions for Risk Reduction and Avoidance in Youth,” *Principal Investigator*, \$2,350,629; 2001-2008.
- National Institutes of Health, “Cognitive Tools Assessing Normal and Disabled Children,” *Postdoctoral Sponsor*, \$164,190; 2004-2007.
- Health and Human Services, “National Center of Excellence in Women’s Health,” *Research Director*, one of six grants in the nation, \$596,724; 2003-2007.
- National Science Foundation, “Collaborative Research: Advance Leadership Proposal: Women in Cognitive Science,” *Advisory Board Member*, \$299,480; 2003-2006.
- National Science Foundation, “Processes that Control Children’s False Memory Reports,” *Principal Investigator*, \$298,916; 2003-2007.

National Institutes of Health, IMSD Opportunities in Biomedical Research Affecting Minorities. “The University of Arizona Initiative for Minority PhDs,” *Key Personnel*, \$2,245,073; 2001-2006.

Health Resources and Service Administrations, “Arizona Hispanic Center of Excellence,” *Key Personnel*, \$1,613,247; 1999-2004.

National Institutes of Health, Pediatrics Research Center, Biopsychosocial *Core Director*; \$5,337,100; 1998-2003.

National Science Foundation, “Children’s Spontaneous False Memories for Traumatic Medical Events,” *Principal Investigator*; \$250,275; 1998-2001.

U.S. Department of Commerce, “Education, Culture, and Lifelong Learning: The Pascua-Yaqui Connection,” *Principal Investigator*, Assessment Director; \$1,000,000; 1998-2001.

National Institute of Health, (Principal Investigator Mary Koss, College of Medicine), *Interdisciplinary Advisor*; \$744,497; 1990-1993.

National Institute of Child Health and Human Development (Public Health Service Fellowship), *Principal Investigator*; \$28,956; 1982-1983.

## **Private Foundations**

Patient Centered Outcomes Research Institute, “Enhancing patient ability to understand and utilize complex information concerning medication self-management,” *Principal Investigator*, \$164,582; 2015-2018.

American College of Rheumatology, Research and Education Foundation, “Improving Risk Communication and Decision Making in RA,” *Expert Consultant*, \$386,260; 2009-2011.

Academic Medicine and Managed Care Forum, “Interventions to Improve Clinical Decision Making and Outcomes for Unstable Angina,” *Principal Investigator*; \$799,360; 1999-2004.

National Medical Technology Testbed, “Clinical Displays to Improve Trauma Outcomes-Pilot Study,” *Co-Principal Investigator*, \$258,835; 2001-2002.

## **Industry**

Xerox, “Fuzzy-Trace Theory: Behavioral Determinants of Medication Adherence,” *Principal Investigator*; \$90,000; 2014-2017.

Integrated Therapeutics Group, “Health Care Process Management: Unstable Angina,” *Co-Principal Investigator*; \$96,000; 1997-1999.

## State

Organized Research Funds, University of Texas, *Principal Investigator*, \$15,000, 1981; 1983.

## TEACHING

Mentor for Clinical & Translational Education Program, Weill Cornell Medical College, 2010-Present.

Mentor and Professor for IMAGINE: Ithaca-Manhattan Graduate Initiative in Neuroscience. NIH funded graduate training program sponsored jointly by Cornell University, and Weill Cornell Medical College, 2010-Present.

Inducted into the Golden Key International Honour Society, November 22, 2008; nominated by undergraduate students at Cornell University in recognition of impact on students.

Instructor for Empirical Research for between 15 and 20 students per semester (undergraduate and graduate students), Department of Human Development, Cornell University, 2005-Present.

Instructor for Research in Risk and Rational Decision Making, graduate seminar, Department of Human Development, Cornell University, spring 2006.

Instructor for Laboratory on Risk and Rational Decision Making, undergraduate seminar, Department of Human Development, Cornell University, spring 2006.

Instructor for undergraduate course entitled "Selected Topics in Psychology," Department of Psychology, Cornell University, spring 2005.

Instructor for Learning and Memory, core course for undergraduates, University of Texas, spring 2005.

Instructor for Risk and Rational Decision Making, graduate seminar, University of Texas, fall 2004.

Instructor for Higher Mental Processes, core course for graduate students, University of Texas spring 2004.

Instructor for undergraduate course entitled "Selected Topics in Psychology," University of Texas, spring and fall 2004.

Instructor for Independent Study for more than 20 students per semester (undergraduate and graduate students), University of Arizona & University of Texas at Arlington, 1996-2005.

Mentor and advisor for women/minority students and faculty throughout the University of Arizona, 1987-2003.

Lecture for College of Public Health, Division of Health Promotion; "Health Care Professionals' Biases in Risk Estimation," (March 28, 2001)

Lecture for College of Education course in Teaching and Teacher Education, "Multivariate Analysis of Bias." (March 20, 2001)

Lecture for College of Medicine; "Grant and Publication Strategies" designed for faculty, residents, and fellows in the Department of Surgery and Department of Pediatrics (March 22, 2001)

Instructor for course entitled, "Evidence Based Medicine," (Course #MED815a), University of Arizona, Department of Medicine, 2000, 2001

Lecture for Department of Surgery Retreat, "Grant Strategies," April 21, 2000



- Speaker, Strategies for Success: Assessing Learning and Teaching at the University of Arizona, Sponsored by the Office of the Provost and the Faculty Development Team, (January, 19, 2000)
- Instructor for course entitled, "Evaluating Medical literature, (Course in Clerkship Program), University of Arizona, Department of Medicine, 1999
- Lecture for Social and Behavioral Sciences Selective (Medicine, 805), "Strategies for Improved Clinical Decision Making," May 1999
- Lecture for Medicine Grand Rounds, "Research on Emergency Medicine and Surgery," 1999
- Lecture for Surgery Grand Rounds, "Clinical Decision-making Under Uncertainty: Guidelines and Outcomes," 1999
- Lecture for Cardiology Section, "Deviations from Practice Guidelines," 1999
- Lecture for Resident Core Lecture, "Statistics for Clinicians," 1999
- Lecture for Surgery Grand Rounds, "Chest Pain Research and Study - Results and Review," 1998
- Lecture for Cardiology Section, "Outcomes Assessment Research," 1998
- Lectures for Educational Psychology Child Development (501), Sierra Vista, AZ, 1998
- Lecture for Resident Core Lecture, "Statistics and Clinicians," 1998
- Lecture for medical students and graduate medical students at Morning Report, "Risk and Cardiovascular Disease in Women," 1998
- Instructor for "Research Methods: Department of Medicine, 1997, 1998
- Lecture for Medicine Grand Rounds, "Deviations from Practice Guidelines for Unstable Angina," 1998
- Lecture for Mexican-American Studies (MAS 297A) entitled "Professional Latino Leadership," 1998
- Speaker, Minority Achievement Program, 1996
- Instructor, Informatics and Decision Making Laboratory, 15-20 students per semester enrolled in Independent Study, 1996-Present
- Faculty Mentor, College of Education Honors Program, University of Arizona, Department of Educational Psychology, 1991-1996
- Academic advisor and supervisor for master's theses and doctoral dissertations, University of Arizona, Department of Educational Psychology, 1988-Present
- Instructor for graduate course entitled "Disciplined Inquiry," (statistics and research methods) University of Arizona, Department of Educational Psychology, Fall, 1995
- Instructor for graduate and undergraduate courses entitled "Risky Decision Making in Childhood and Adolescence," University of Arizona, Department of Educational Psychology, Spring, 1995
- Instructor for graduate course entitled "Research Methods in the Developmental Sciences," University of Arizona, Department of Educational Psychology, Spring, 1994
- Instructor for graduate course entitled "Seminar on Teaching and Learning," University of Arizona, Department of Educational Psychology, Fall, 1992; Spring, 1993
- Instructor for graduate course entitled "Reasoning, Decision Making, and Development," University of Arizona, Department of Educational Psychology, Spring, 1991
- Instructor for graduate course entitled "Adolescent Development," University of Arizona, Department of Educational Psychology, Fall, 1990

- Instructor for undergraduate course in “Child Development,” a service course required for teacher certification, University of Arizona, Department of Educational Psychology, every semester but Fall, 1989, 1990, 1992, 1994
- Instructor for undergraduate course in “Educational Psychology: Learning,” a service course required for teacher certification, University of Arizona, Department of Educational Psychology, every semester, Fall 1988-Spring 1994
- Supervisor for Students involved in independent research projects, master’s theses, and doctoral dissertation research, as Director of the Laboratory for Communication and Judgment, University of Texas at Dallas, Department of Psychology, 1981-1987
- Instructor for graduate course entitled “Judgment and Decision Making,” University of Texas at Dallas, Department of Psychology, 1983, 1984, 1986
- Instructor for undergraduate course entitled “Choice and the Framing of Decisions,” University of Texas at Dallas, Department of Psychology, 1983, 1984, 1986, 1987
- Instructor for undergraduate course entitled “Human Communication,” University of Texas at Dallas, Department of Psychology, 1982, 1984, 1985, 1987
- Instructor for graduate course entitled “Psycholinguistics: Human Communication,” University of Texas at Dallas, Department of Psychology, 1981, 1983
- Instructor for undergraduate course entitled “Language Development,” University of Texas at Dallas, Department of Psychology, 1984, 1985, 1986, 1987
- Instructor for graduate course entitled “Proseminar in Psychology,” University of Texas at Dallas, Department of Psychology, 1981, 1983
- Chaired graduate and faculty seminar entitled “Interdisciplinary Approaches to the Study of Metaphor,” Princeton University, Department of Psychology, 1980-1981
- Research and statistical consultant to graduate and undergraduate students, Princeton University, Department of Psychology, 1979-1981
- Organized a graduate seminar entitled “Interdisciplinary Seminar” bringing together perspectives from neuroscience, philosophy, linguistics and psychology, Princeton University, Department of Psychology, 1979-1980
- Supervisor for New York Academy of Sciences Student Internship Program, the Rockefeller University, Experimental Psychology Laboratory; selected five high school students to participate in a research apprenticeship program under my supervision; awarded a grant by the New York Academy of Sciences to continue the program, 1977-1980
- Instructor for undergraduate course entitled “The Psychology of Language: Human Communication,” Marymount Manhattan College, Department of Psychology, 1978
- Instructor for undergraduate course entitled “Empirical Research II” (statistics), Marymount Manhattan College, Department of Psychology, 1978

## Teaching Interests

Cognitive Development  
 Cognitive Psychology  
 Informatics and Decision Making  
 Judgment and Decision Making  
 Medical Decision Making  
 Medical Errors

Memory  
 Psycholinguistics  
 Research Methods  
 Reasoning and Problem Solving  
 Risk and Rationality  
 Statistics

## **Fellows, Residents, Faculty Mentoring (Selected)**

Mary Adam, MD, Surgery faculty  
 Margaret Briehl, PhD, Pathology faculty  
 Opher Caspi, MD, Medicine Fellow  
 Judith Effken, RN, PhD, Nursing faculty  
 Adrian Ferris, MD, MPH, Prevention Fellow  
 Barbara Ganzel, PhD, Human Development faculty  
 Corinna Loeckenhoff, Human Development faculty  
 Farrell Lloyd, MD, MPH, Deans Physician Scientist Career Development Award Winner  
 (primary mentor)  
 Yulia Landa, Postdoctoral Fellow  
 John Mark, MD, Pediatrics Fellow  
 Michael McCormick, Postdoctoral Associate  
 Sharon McDonough-Means, MD, Pediatrics Fellow  
 Joseph Mikels, PhD, Human Development faculty  
 Michael Mills, MD, GI Fellow  
 Timothy Odegard, Postdoctoral Fellow  
 Susan Rivers, Postdoctoral Fellow  
 Walter Schoepfle, MD, Cardiothoracic Surgery  
 Zoe Stavri, PhD., Information Sciences Faculty  
 Rebecca Weldon, Postdoctoral Associate

## **Graduate and Medical Students Supervised: 1996 - Present**

### Cornell University

Jennifer Southwick Brown, Human Development  
 Priscila Brust-Renck, Human Development  
 Wanda Casillas, Human Development  
 Christina Chick, Human Development  
 Jonathan Corbin, Human Development  
 Steven Estrada, Human Development  
 Alyssa Evans, Human Development  
 Sarah Furlan, Human Development  
 Debra Goldman, Human Development  
 Carlos Gomes, Human Development  
 Rebecca Helm, Human Development  
 Andrew Hsia, Human Development  
 Blaine Huss, Policy Analysis and Management, Sloan Program  
 Anna Kharmats, Human Development  
 Andrew Lazar, Human Development  
 Jordana Liberali, Human Development  
 Britain Mills, Human Development  
 Seth Pardo, Human Development  
 Andrew Reed, Human Development

Caisa Royer, Human Development  
 Samira Saifi, Policy Analysis and Management, Sloan Program  
 Roni Setton, Human Development  
 Stephanie Sullivan, Human Development  
 Evan Wilhelms, Human Development  
 Yi Yang, Human Development

### University of Texas at Arlington

Anita Balawejder, Psychology  
 Phyllis Behrens, Communication  
 Atul Chopra, Engineering  
 Jennifer Dahlen, Psychology  
 Steven Estrada, Psychology  
 Vasundra Ganju, Psychology  
 Jason Lyons, (Secondary to Dr. Mellgren)  
 Britain Mills, Psychology  
 Hieu Nguyen, Business  
 Terri Nicholson, Psychology  
 Ronald Paul, Psychology  
 Michael Richarme, Business  
 Deepti Sharma, Engineering

### University of Arizona

Serife Akbogur, Special Education, Rehabilitation, and School Psychology  
 Tomas Amador, Native American Linguistics  
 Chris Campton, Nursing  
 Brenda Cook, Pharmacy, Director Dissertation Committee  
 Shauna Edwards, Medical Student (Research Distinction Track; NIH Summer Program)  
 Sonia Fankem, Public Health  
 Monica Faria, Medical Student (MD/PhD Program; Research Distinction Track; NIH Summer Program)  
 Tammy Forrest, Special Education, Rehabilitation, and School Psychology, Doctoral Dissertation Committee  
 John Holman, Law  
 Becky Hull, Nursing  
 Douglas Jacobson, Medical Student (NIH Summer Program)  
 Dana Karibian, Special Education, Rehabilitation, and School Psychology, Doctoral Dissertation Committee  
 Ramkumar Krishnamurthy, Electrical Engineering  
 Thomas Kyler, Medical Student (NIH Medical Student Research Program)  
 Lisa Laskaris, Management Information Sciences, Dissertation Director  
 Lin Lin, Biomedical Engineering  
 Kris Maloney, Management Information Sciences, Dissertation Director

Valerie Miranda, Medical Student, Research Distinction Track (NIH Medical Student Research Program)

Ambrocio Mojardin, Educational Psychology, Doctoral Committee

Raniero Peru, Psychology

Danielle Rios, Medical Student (MD/PhD Program; Research Distinction Track); NIH Medical Student Research Program

Maria Romo-Chavira, Educational Psychology, Thesis Director and Dissertation Director

Leslie Schwindt, Political Science

Douglas Smith, Medical Student

Ingo Springer, Medical Student

Lilian Stein, Educational Psychology, Doctoral Committee

Kevin Thrasher, Educational Psychology, Masters Committee

Allison Titcomb, Educational Psychology, Dissertation Director

Humberto Velasquez, Special Education, Rehabilitation, and School Psychology

Ron Woodard, Educational Psychology

## College of Pharmacy Students

Jillian Hien Pham

Janet Washington, Thesis Director

Eleanor Olvey

## Cornell University Students

Afsana Alam

Costanza Alifano

Eun An

Julie Avrutine

Michelle Baer

Eric Balsa

Rebecca Bateman

Arielle Bensimon

John Biggan

Stefani Birnhak

Deanna Blansky

Katie Blitsman

Maria Bodiu

Bradley Bogden

Abbey Borchers

Michelle Byers

Ariel Campbell

Christopher Caruso

Kristy Cates

Ruth Chan

Sharjeel Chaudhry

Stacey Chen

Yue Pui Chin

Muzna Chowdry

Rachel Chu

Yvonne Chu

Katie Congelosi

Natalie Cook

Carrie Coykendall

Tony Craddock

Shannon Crater

Jennifer Crouse

Elizabeth Curran

Suveera Dang

Samuel Day

Sarah Delgado

Misty DeLira

Chris DelPrete

Rebecca Derven

Catherine De Stio

Nafisia Dhanani

Kristen Dinofrio

Jorge Dorantes

Roberta Dougherty

Lindsay Dower

Hasini Ediriweera

Amir Elsamadisi	Brittany Ladrech
Bill Emeriale	Kristin Lee
Eswen Fava	Raymond Lee
Meredith Evancie	Kaylin LeMelle-Thomas
Danielle Fernandes	Miao Liang
Rebecca Fleming	Kelvin Lin
Rebekah Foster	Jessica Lisovicz
Maya Fridman	Stephanie Lockwood
Marissa Frieder	Kelli Long-Stockton
Brad Fronckowiak	Emily Lopes
Kate Fruitman	Zachary Lorsch
Margaret Gichane	Sharon Lynn
Philip Glassberg	Claire Lyons
Gina Piersanti Gioe	Naomi Mancillas
Jonathan Gong	Jacqueline Martone
Melinda Gonzalez	Harshil Mattoo
Nicole Griffis	Ashley Mcgrath
Quynh Guyen	Roshni Mehta
M'Liss Hadley	Avery Miller
Tareq Haidary	Haley Mirrer
Santhi Hariprasad	Michael Mongelli
Maleeha Haroon	Anna (Kate) Morant
Marion Heller	Leigha Morgan
Marcia Hensley	Kate Morrissey
Jonathon Herschberger	Mohit Nair
Sherene Hilal	Preethi Nath
Lupe Hodges	Linh Nguyen
Andrew Hsia	Zachary Nollet
Marion Hsueh	Kritika Oberoi
Blaine Huss	Jeremy Ojalehto
Brandi Jackson	Vivian Ojeda
Jhaniel James	Thuy Ong
Janet Jang	Sarah Ordonez
Sarasi Jayaratne	Amen Oyegen
Eric Jorgensen	Jayni Parikh
Karin Katz	Jessica Park
Zoe Katz	Julia Park
Anna Kharmats	Sarah Park
Jennifer Kim	Robin Parker
Kyungwook Kim	Vishnu Patel
Ali Kimyaghalam	Mandeep Pawar
Shafan Knight	Daniel Polla
Kristen Koproske	Tristan Ponzo
Dmitry Kozhenikov	Allison Portenoy
Shivani Kumar	Alexander Powell
Rachel Lacks	Alexandra Pritchett

Kristina Punturo  
 Kevin Qiao  
 Sabrina Rahman  
 Sara Rahman  
 Amrita Rao  
 Nicholas Raskin  
 Gabrielle Rieth  
 Nicole Romano  
 Noah Rubin  
 Jill Russo  
 Ambarneil Saha  
 Samira Saifi  
 Sonia Santa Cruz  
 Lara Seiden  
 Priscilla Sepe  
 Laura Shackelford  
 Pooja Shah  
 Jaclyn Shaw  
 Edward Shin  
 Erica Shreck  
 Rebecca Shohet  
 Amina Shonka  
 Danielle Signer  
 Meghan Smith  
 Rachel Soffer  
 Julie Steinberg  
 David Stuckler  
 Amanda Su  
 Andrew Suh  
 Wilson Sui  
 Emily Taub  
 Gabrielle Tan  
 Joseph Tesorro  
 Marco Torres  
 Sierra Trainor  
 Angela Tsang  
 Amber Turner  
 Alexa Turpin  
 Robert Ulrich  
 Ariel Wampler  
 Catherine Wassef  
 Lora White  
 Priscilla Wong  
 Demetrial Wright  
 Ryan Yeh  
 Hilary Yu

Xuan Zhang  
 Anna Zhu

### **Cornell Honors Students**

Iram Ahmad  
 Keith Almaria  
 Rita Alumanah  
 Jonathan Armstrong  
 Janelle Baker  
 Jessica Baker  
 Rhonda Barr  
 Nitin Bhatia  
 Stephanie Berman  
 Stefani Birnhak  
 Rebecca Blake  
 Kim Brown  
 Rachel Brownstein  
 Geoffery Burnham  
 Sarah Carter  
 Cherissa Chacon  
 Chara Chamie  
 Jennifer Dahlen  
 Jane Davis  
 Jessica DeMarinis  
 Stacey Elliott  
 Burzin Engineer  
 Clarissa Garcia  
 Preet Ghuman  
 Hilary Goetz  
 Sarju Govani  
 Niki Grossman  
 Jessica Haley  
 Jacob A. Hall  
 Lida Hariri  
 Antony Hazel  
 Stephanie Henry  
 Marci Holmes  
 Darlene Hom  
 Le Hua  
 Brandi Jackson  
 Kristen Jacobs  
 Oren Jaspan  
 Karin Katz  
 Danielle LaFrance  
 Tracy Layton

Zachary Lorsch  
 Jaqueena Manahan  
 Melanie Martin  
 Kirsten Metz  
 Carrie McAllister  
 Kristine Miller  
 Michael Miller  
 Regina Myers  
 Regina Myer  
 Linh Nyguyen  
 Eleanor Olvey  
 Jayni Parikh  
 Michael Pham  
 Vijay Pottathil  
 Erin Redmon

Carrie Reed  
 Jennifer Roberts  
 Adrienne Romer  
 Kristen Sellheim  
 Brian Smith  
 Janine Marie Staniz  
 Justin Statt  
 Mark Sutton  
 Wayne Sun  
 Emily Taub  
 Ann VerSteeg  
 Cathy White  
 Tina Wu

### **INSTEP Program for Disadvantaged High School Students**

Arrington Bell  
 Ann Marie Contreras  
 José Leos  
 Michelle Thornsberry

### **Leadership Alliance Program**

David Colon Cabrera  
 Wanda Casillas

### **National Institutes of Health Disadvantaged High School Student/K-12 Science Teacher Research Program**

**(Purpose:** To stimulate among disadvantaged high school students an interest in pursuing careers in biomedical research and the health professions.)

Susan Astrene (Robins Elementary School Science teacher)  
 Esther Du (High School Student)  
 Matt Haverty (Amphi High School Biology teacher)  
 Thelma Lopez (Pueblo High School Student)  
 Alexia Puig (High School Student)



Joanna Vega (Reynolds Elementary School teacher)

## **SERVICE**

### **National Activities for U.S. Department of Education (Selected)**

- Oversaw research programs and policies for the U.S. Department of Education as the senior advisor to Assistant Secretary for Research, 2001-2003.
- Worked to create a new federal research agency, including programs and policies—the Institute of Education Sciences, 2001-2003.
- Worked to assure that federally sponsored research met high standards of scientific quality, providing the information and evidence needed to improve education in the United States, 2001-2003.
- Coordinated research activities across federal departments and agencies, such as the National Institutes of Health, National Science Foundation, and President’s Office of Science and Technology Policy, 2001-2003.
- Launched new national research initiatives in cognition and learning, reading comprehension, early cognitive development, evidence-based practice guidelines, and other programs 2001-2003.
- Developed, implemented, and directed a new peer review process for U.S. Department of Education’s research agency, 2001-2003.
- Selected and oversaw a National Panel on Literacy for Language Minority Children and Youth, October 2001-2003.
- Represented the Department on the Anti-terrorism Committee of the President’s Office of Science and Technology Policy, October 2001-2003
- Represented the Department at the 2<sup>nd</sup> Annual Conversation with Education Leaders, "No Child Left Behind" tour across America, March 13, 2002, Denver, Colorado
- Addressed national boards concerning new federal initiatives in research (e.g., National Academy of Sciences Board on Testing and Assessment; National Educational Research Policy and Priorities Board), 2001-2003
- Addressed national conferences concerning the *No Child Left Behind Act of 2001* and new research initiatives (e.g., American Educational Research Association; Society for Prevention Research), 2001-2003
- Presented addresses as part of a series of symposia that the Department of Education is sponsoring about the use of scientifically based research in education. Audience included executive branch personnel, Hill staff, and interested representatives from organizations

around the country, 2002-2003

Selected speakers (in addition to President George W. Bush, the First Lady Laura Bush, Secretary Colin Powell, and Secretary Rod Paige who also spoke at the event) and organized *White House Conference on Character and Community*, June 19, 2002 (and advised regarding other national conferences sponsored by the Secretary and White House)

## **University-Wide Committees**

Chair, Ad Hoc Tenure and Promotion Committee, Cornell University, 2015-present.

Promotion and Tenure Review Committee, Johnson Graduate School of Management, Cornell University, 2013.

Ithaca-Weill Connections, Cornell University, 2010-Present.

Sesquicentennial Steering Committee, Social Sciences Sub-Committee, Cornell University, 2010-2014

Black Psychology Search Committee, Africana Studies and Research Center, Cornell University, 2006-2007.

Committee on K-12 and Minority Recruitment and Retention, Cornell University, 2006.

Committee on Pre-college Education Outreach, Cornell University, 2005-2006

Seminar on Education Research and Outreach, Cornell University, 2005-2006

Search Committee, Dean of the College of Science, University of Texas, 2004

Research Advisory Committee, Office of the Vice President for Research, University of Texas, 2003-2005

Research Integrity/Objectivity in Research Committee, Office of the Vice President for Research, University of Texas, 2003-2005

Chair, Provost's Committee on Innovations and Assessment for Learning Technologies, 1996-2001

University Advisory Committee, Office of the President, Children's Center for Advancement in Research and Education, 2000-2001

Millennium Committee on Gender Equity, Office of the President, 1999-2001

Search Committee, Mexican-American Studies. Assistant Professor Search, 1999

Search Committee, Vice Provost for Arts and Sciences and Undergraduate Education, 1994

Search Committee, Director, Mexican-American Studies and Research Center, 1994-1995

Search Committee, Target of Opportunity in Women's Studies, 1994-1996

University Faculty Development Team, 1994-1996

Chair, Provost's Committee on Scholarships and Waivers, 1995

Burlington Resources Foundation Faculty Achievement Awards Committee, 1993

Criterion Task Force, 1992

Diversity Action Council, Office of the President, 1992-1995

Virtual Reality Steering Committee, 1992-1994

Family Care Issues Committee of the Regent's Commission on the Status of Women, 1992-1996.

Centennial Achievement Awards Committee, 1991; 1994

Special Course Fees Committee, 1991-1993

Regent Reception Committee, 1990

Served on Planning Committee, Arizona Association for Chicanos in Higher Education, 1989-1992

Served as a member of the Research Committee, University of Texas at Dallas, 1983-1985

Chaired Graduate Admissions Committee, School of Human Development, University of Texas at Dallas, 1983-1985, significantly increased the enrollment of minority students and, simultaneously, raised GRE scores to the highest level in the university

Served as a member of three doctoral program curriculum and evaluation committees: Language and Cognition, Disorders of Communication and Learning, and Social Aspects of Communication, School of Human Development, University of Texas at Dallas, 1983-1987

Served as member of the David Bruton Lecture Series Committee, School of Human Development, University of Texas at Dallas, 1982-1984

Served as member of the Education Committee (developed curriculum for prospective teachers), School of Human Development, University of Texas at Dallas, 1981-1987

## **Departmental and College Committees**

Chair, Promotion and Tenure Review Committee, College of Human Ecology, Cornell University, 2015.

Chair, Search Committee in Behavioral Neuroscience, Department of Human Development, Cornell University, 2010-Present.

Cornell Extension Centennial Committee, 2009-2012.

Promotion and Tenure Review Committee, College of Human Ecology, Cornell University, 2008.

Graduate Review Committee, Department of Human Development, Cornell University, 2008-2011.

Research Review Committee, College of Human Ecology, Cornell University, 2007.

Executive Committee, Department of Human Development, Cornell University, 2005-2010

Search Committee, Director of Communications, College of Human Ecology, Cornell University, 2005-2006

Chair, Search Committee in Social Development, Department of Human Development, Cornell University, 2005-2006

Executive Committee, Department of Psychology, University of Texas, 2003-2005

Graduate Studies Committee, Department of Psychology, University of Texas, 2003-2005

Chair, Research Task Force, Department of Surgery, 2001-2003

Post-tenure Peer Review Committee, Department of Surgery, 2001-2003

Promotion and Tenure Committee, Department of Surgery, 2000-2003

Nominating Committee, College of Medicine, 2001-2003

Reviewer for Dean's Career Development Awards Program, College of Medicine, 2001

Arizona Health Science Center Telemedicine and Technology Subcommittee of the Strategic Planning Committee, College of Medicine, 2000-2003

Executive Board, Dean's Committee on Women Faculty, College of Medicine, 1999-2003

Women Leaders in Academic Medicine, College of Medicine, 1999-2003

Assistant Professor Search Committee, Department of Surgery, 1999-2000

Research Committee, Department of Surgery, 1998-2003

Intergroup Proposal Committee, Chest Pain Project, College of Medicine, 1998

Faculty Development Committee, Department of Surgery, 1997

Academic Programs Committee, College of Education, 1994-1996

Second-Year Review Committee, Department of Educational Psychology, 1993

Promotion and Tenure Committee, Department of Educational Psychology, 1992, 1993

Colloquy Committee, College of Education, 1992-1993

PAIP Subcommittee on Faculty Scholarship, Department of Educational Psychology, 1992-1993

Associate Dean Search Committee, College of Education, 1992

Strategic Planning and Policy Committee, Department of Educational Psychology, 1991-1996

Assistant Professor Search Committees, Department of Educational Psychology, 1990, 1991

Ad Hoc Committee on the Status of Women, College of Education, 1990-1996

Early Childhood Education Committee, College of Education, 1990-1993

Awards and Recognition Committee, College of Education, 1990-1996

Graduate Student Research Day Committee, College of Education, 1990

Curriculum Committee, Department of Educational Psychology, 1988-1996

**National/International Committees (See Honors & Distinctions for additional committee appointments)**

Member, Editor Search Committee for *Neuroscience, Psychology, and Economics*, 2016-present.

Member, Editor Search Committee for *Journal of Experimental Psychology: General*, 2015-2016.

Member, Editor Search Committee for *Developmental Psychology*, 2015.

Appointed to the Subcommittee on Peer Review, Advisory Committee to the National Institutes of Health Director's Working Group on Diversity, 2013-present.

Scientific Committee, Subjective Probability, Utility, and Decision Making Conference, 2011-Present.

Chair of the Journals Advisory Committee, of the Publications and Communication Board, American Psychological Association, 2009-2011.

Chair, Publications and Communication Board, American Psychological Association, 2009-2010.

Chair, Search Committees for *Decision, Psychological Bulletin, Developmental Psychology, Journal of Experimental Psychology: Learning, Memory, & Cognition* and *Journal of Neuroscience, Psychology, and Economics*, 2007-2012.

Committee on the Science of Adolescence, National Academies of Science, 2008-2010.

Publications and Communications Board, American Psychological Association, 2006-2012.

Board on Behavioral, Cognitive, and Sensory Sciences, National Academies of Science, 2006-2013.

Nominations Committee, Society for Medical Decision Making, 2006-2007.

National Mathematics Advisory Panel, established by Executive Order of the President of the United States, 2006-2008.

Committee, Distinguished Scientific Award for Early Career Contributions to Psychology, American Psychological Association, 2007.

Program Chair, Association for Psychological Science, 2006-2007

Program Committee, Association for Psychological Science, 2005-2006.

Co-chair, Society for Medical Decision Making Conference scientific review committee on Judgment and Decision Making: Theory and Methods, 2006.

Academic Advisory Panel, Stanford Center on Adolescence, funded by the John Templeton Foundation, 2005-2009.

Division 3 (Experimental Psychology) Liaison with the American Psychological Association's Committee on International Relations 2005-2008.

Elected Member, Executive Committee, Division 3 (Experimental Psychology), American Psychological Association, Washington, DC, 2005-2008.

Advisory Board, Women in Cognitive Science (WISC), national organization affiliated with The Psychonomic Society, funded by the National Science Foundation, 2003-2008.

Advisory Panel, National Science Foundation, Division of Social and Economic Sciences,  
Decision, Risk, and Management Sciences Program, 2003-2006

Education Advisory Board, American Psychological Association, 2002-Present

Council of Graduate Studies Advisory Board, National Survey of Graduate Student Support,  
2002-2003

American Psychological Association Outstanding Doctoral Dissertation Award Committee,  
1996-1999

National Advisory Board, Center for Learning and Human Development, Miami University,  
Ohio, 1999-Present

National Advisory Board, Cornell Institute for Research on Children, sponsored by the National  
Science Foundation, 2001-Present

National Advisory Board, Institute for Children, Youth and Families, University of Arizona,  
1999-Present

National Center for Nonprofit Boards, 2000-Present

National Institutes of Health, Study Sections (Perception and Cognition Review Committee;  
Biobehavioral and Behavioral Processes 4), 1996-2001

Society for Judgment and Decision Making Awards Committee, 1999-2000

Society for Medical Decision Making, Program Committee, 2001-Present

Society for Medical Decision Making Development Committee, 1999-2004

Society for Medical Decision Making Scientific Review Committee, 1998-Present

### **State/Regional Committees**

Advisory Board, Crash Outcomes Data Evaluation Systems (CODES), 1999-2001

Steering Committee for the Center for Study of Vascular Disease in Hispanics and Native  
Americans, Southern Arizona Veterans Administration Health Care System, 1999-2001

Steering Committee, Biotechnology Cluster Committee, 1999-2001

### **Public Outreach and Other Service**

Invited speaker, Engaged Cornell Workshop – Social Issues in Community Engagement by  
Cancer Scientists, “A New Approach to Improving Health and Medical Decision Making.”  
Ithaca, NY, March 5, 2016.

Invited speaker, Cornell Dean and Faculty seminars, “Are Teens’ Brains Wired for Risk? And  
are they so different from the rest of us?” Online conversation, Ithaca, NY, November 14,  
2011.

Invited presentation, Cornell on the Road, “Risky decision making and the brain.” Rochester,

NY, November 10, 2011

Invited presentation, Ithaca High School, “Risky decision making in adolescence.” Ithaca, NY, April, 2010.

Invited presentation, National Extension Association of Family & Consumer Sciences, “Risk and financial decision making.” Ithaca, NY, September 9, 2010.

Attended, Advancing Integrative Psychological Research on Adaptive and Healthy Aging, A workshop presented by the Institute of Personality and Social Research and the National Institute on Aging, May 21, 2009.

Human Development Research Update, speaker and organizer, May 2005; May 2006; May, 2007; May 2008; May 2009.

Faculty sponsor of two students from the Leadership Alliance Program, a consortium of 32 institutions of higher learning with the mission of developing underrepresented students into outstanding leaders in academia, June-August 2006.

Invited speaker at a lunch celebrating retired and emeritus faculty contributions, “How People Make Decisions that Involve Risk,” sponsored by the Dean of the College of Human Ecology, Solon, NY, August 9, 2006.

Speaker, Kendal at Ithaca (a continuing care retirement community), “The Science of False Memory,” Ithaca, NY, July 18, 2006.

Invited speaker at the Reunion Donor Dinner, “How People Make Decisions that Involve Risk,” sponsored by the Dean of the College of Human Ecology, Cornell University, Ithaca, NY, June 8, 2006.

Invited speaker at a seminar of the College Scholar Program, sponsored by the Dean of the College of Human Ecology, Cornell University, Ithaca, NY, February 7, 2006.

Invited participant in the Society for Behavioral Medicine pre-conference, “State of the Art in Risk Perception Research,” designed to shape future research, sponsored by the National Institutes of Health, Baltimore, MD, March 24, 2004.

Invited participant in the “Basic and Applied Decision Making in Cancer Control” meeting, sponsored by the National Cancer Institute, Washington DC, February 19-20, 2004

Moderator, Women in Cognitive Science 3<sup>rd</sup> annual meeting, “Dual Career Issues in Academia: A Panel Discussion”, held during Psychonomic Society Conference, November 6, 2003

Invited participant in Symposium on Arizona’s Children, Sponsored by the Dean of the Graduate College; Institute for Children, Youth and Families; Steele Memorial Children’s Research Center; United Way’s “First Focus on Kids.” Tucson, Arizona (April 20, 2001)

Invited participant in the Center for Advanced TeleSysMatics (CAT): Next Generation Network Centric Systems Workshop on Next Generation Network Centric Systems: Research Challenges and Opportunities. Sponsored by Center for Advanced TeleSysMatics (CAT):

- Next Generation Network Centric Systems, University of Arizona; Virtual Development Center, University of Arizona; and Raytheon Missile Systems. Tucson, Arizona, January 18-19, 2001
- Content expert for Medicine Grand Rounds, Case Management, 2000
- Speaker, Southern Arizona Veterans Administration Health Care System Conference, “Medical Decision Making and Outcomes in Cardiovascular Research,” Tucson, Arizona. April 6, 2000
- Speaker, Pima County Sheriff’s Department Community Symposium, “Critical Decision Making,” “A Multi-disciplinary Approach to School Based Violence.” April 1, 2000
- Resource Personnel, Tucson Technology Incubator, Inc., 2000
- Speaker, Strategies for Success: Assessing Learning and Teaching at the University of Arizona: Conference sponsored by the Office of the Provost and the Faculty Development Team, January 19, 2000
- Attended, Academic Medicine and Managed Care Forum, June 17-20, 1999
- Attended, Biomedical Agreements Workshop, November 11, 1999
- Attended Sunnyside Unified School District annual fund raising dinner, 1999
- Featured in *Tucson Lifestyles* magazine, Profiles in Progress “Hispanics Making a Difference,” 1999
- Invited, National Institutes of Health, Grant Holders Conference, October 24-26, 1999
- Invited to participate in the Harvard Project on Faculty Appointments by Provost’s Office, University of Arizona, 1999
- Presentation to Emergency Medicine Grand Rounds, “Chest Pain Research Study: Results and Review,” 1999
- Presentation to the Pima and Santa Cruz Consortium (a Career Development Planning Workshop on Healthcare), February 13, 1999
- Presentation sponsored by the Association of Women Faculty, “Academic Women in Transition,” 1999
- Presentation to Information Systems Services Department, 1999
- Organizer, Hispanic-Jewish Dialogue reception for the newly appointed Head of the Chicano/Hispano Student Cultural Center and Student Research Center, 1999
- Faculty Mentor, National Institutes of Health Disadvantaged High School Student Research Program, 1998, 1999
- Reviewer, New Learning Environments and Instructional Technology Grants, April, 1998
- Presentation to physicians at North Hills Clinic, “Informatics and Decision Making Lab: A Cardiology Example,” 1998



Public lectures for the University Speakers Bureau (e.g., at Green Valley; La Cholla Country Club), 1997

Program Committee, Tri-University Arizona Health Outcomes Research Conference, 1998

Speaker, “ False Memory,” El Chaparral Chapter, American Business Women’s Association, 1997

Leadership Awareness Committee, Office of the Provost, Presented workshops for central administration and Deans on learning and technology; presentation also made to the College of Nursing, 1996

Speaker, Minority Achievement Program, University of Arizona, 1996

Faculty Sponsor, Hispanic Women’s Group, Annual Reception to honor undergraduate and graduate Hispanic women, 1995, 1996

Assisted an interdisciplinary team in public health, family studies, and law enforcement, as well as representatives from a variety of city and county agencies, in preparing a grant application to the Centers for Disease Control assessing interventions to reduce violent behavior among youth, 1994-1995

Invited, University of Arizona Community Forums, sponsored by the Offices of the President and Provost, 1994-1995

Attended workshop and lecture by Dr. Manning Marable on “The Multicultural University,” 1994

Participant, Provost’s Symposium on Undergraduate Education, 1994

Judge, University Outreach Program displays, Homecoming Saturday, 1994

Evaluation Committee, Metropolitan Education Commission, 1994-Present

Selected to participate in a focus group on strategic planning for CCIT (University Computer Center), 1994

University of Arizona Hispanic Alumni Club participant in scholarship fundraising activities and other programs, 1994-Present

Participated in the administrative planning retreat for the College of Education, 1993

Participated in the development of a strategic plan for Pima Community College, Downtown Campus, 1993

Delivered keynote address at the 1993 Awards Ceremony, CTY Talent Search conducted by the Center for Talented Youth, The Johns Hopkins University.

Invited to participate in Las Colegas, University leaders in minority issues; participated in meetings with President Pacheco, assisted in development of a strategic plan, 1993-1995

Invited to participate in workshop on evaluation, College of Pharmacy, sponsored by the University Teaching Center, 1993

- Served as a panelist in the 1993 Provost's Annual Workshop on Promotion, Tenure and Continuing Status (addressed issues for administrators), 1993
- Served on Planning Committee, Arizona Educational Research Organization, 1992-1995
- Delivered the keynote address, "Education as science, education as poetry," for the Annual Regional Conference of Pi Lambda Theta, Tucson, Arizona, 1992
- Organizer of the Promotion and Tenure Strategic Orientation on behalf of junior minority faculty, 1992
- Attended the annual scholarship dinner sponsored by the University of Arizona Hispanic Alumni, Tucson, Arizona, 1992, 1995, 1997
- Attended New Traditional Student Program Annual Success Dinner, Tucson, Arizona, 1992
- Attended Arizona Attorney General's Martin Luther King Memorial Luncheon, Tucson, Arizona, 1992
- Invited to address the Association for Women Faculty on dual roles for minority women faculty, 1992
- Attended the first annual Association of Minority Education Students Reception (member of A.M.E.S. since its inception), 1992
- Invited to speak to the Greater Tucson Leadership Council's emerging business and community leaders on testing ("Why Test?") Craycroft Elementary School.
- Participated in the Collegiate Leadership Conference on Education (for undergraduates and graduate students throughout the University) sponsored by the University's Student Services Office; presented a lecture on Politics and Education, and directed a workshop, 1992
- Invited to speak to minority students in the College of Nursing on strategies for academic success, 1992
- Participated in the College of Education's "Student/Faculty Dialogue: Focus on Minority Retention Issues," 1991
- Lecturer, G.A.T. Orientation, University Teaching Center, presented workshops and lectures on grading and similar topics, 1990-1994
- Participated in awards and commencement ceremonies for minority students, 1989-Present
- Served on Planning Committee, Arizona Association for Chicanos in Higher Education, 1989-1992
- Organized an advising meeting for all undergraduate psychology majors, and wrote and distributed a pamphlet on academic strategies, 1983
- Organized a faculty networking meeting at the Annual Meeting of the Psychonomics Society for recruitment of minority students, 1983, 1984, 1987

Participated in a special orientation for minority students at University of Texas at Dallas, 1983,1984

Contributed to the minority Student Handbook used for recruitment of minority students to University of Texas at Dallas, 1983

Contacted faculty and staff at Southern Methodist University through annual conferences on Hispanics in America to arrange cooperative efforts at recruiting minority students, 1983, 1984

Recruited minority students for graduate study at University of Texas at Dallas from Princeton University and University of Pennsylvania, 1981

### **Consulting Editor/Reviewer (Selected)**

*American Psychologist*

*Applied Cognitive Psychology*

*Archives of Internal Medicine*

*Brain and Behavior*

*Child Development*

*Cognitive Psychology*

*Consciousness and Cognition*

*Decision Analysis*

*Developmental Psychology*

*Developmental Review*

*Developmental Science*

*Health Expectations*

*Health Psychology*

*International Journal of Behavioral Development*

*International Journal of Geriatric Psychiatry*

*Journal of the American Medical Association*

*Journal of Adolescent Health*

*Journal of Applied Psychology*

*Journal of Behavioral Decision Making*

*Journal of Cognitive Neuroscience*

*Judgment and Decision Making*

*Journal of Economic Behavior and Organization*

*Journal of Economic Psychology*

*Journal of Experimental Child Psychology*

*Journal of Experimental Social Psychology*  
*Journal of Experimental Psychology: Applied*  
*Journal of Experimental Psychology: General*  
*Journal of Experimental Psychology: Human Perception and Performance*  
*Journal of Experimental Psychology: Learning, Memory and Cognition*  
*Journal of General Internal Medicine*  
*Journal of Memory and Language*  
*Journal of Personality and Social Psychology*  
*Journal of Political Psychology*  
*Journal of Research on Adolescence*  
*Medical Care*  
*Medical Decision Making*  
*Memory*  
*Memory and Cognition*  
*Merrill-Palmer Quarterly*  
*Neuropsychology*  
*New England Journal of Medicine*  
*Organizational Behavior and Human Decision Processes*  
*Perspectives on Psychological Science*  
*Proceedings of the National Academy of Sciences*  
*Psychological Bulletin*  
*Psychological Review*  
*Psychological Science*  
*Psychological Science in the Public Interest*  
*Psychology and Aging*  
*Psychonomic Bulletin and Review*  
*Risk Analysis*  
*Social Cognition*  
*Social Psychological and Personality Science*

## **Editor/Editorial Boards**

*Child Development*, 1996-2002  
*Decision*, 2012-Present  
*Developmental Review*, 2000-Present (Associate Editor)  
*Health Psychology*, 2009-Present (Consulting Editor)

*Journal of Behavioral Decision Making*, 2010-Present  
*Journal of Experimental Psychology: Applied*, 2000-2006  
*Journal of Experimental Psychology: Learning, Memory, & Cognition*, 2009-Present  
*Medical Decision Making*, 1998-2001  
*Memory*, 2004-2008 (Action Editor)  
*Monographs of the Society for Research in Child Development*, 1992  
*Proceedings of the National Academy of Sciences* (Acting Editor), 2013-Present  
*Psychological Review*, 2014-Present  
*Psychological Science*, 2006-2010 (Associate Editor), 2012-Present  
*Psychological Science in the Public Interest* (Editor), 2014-Present  
*Psychonomic Bulletin and Review*, 2006-Present (Consulting Editor)

### **Book Proposal Reviewer**

American Psychological Association  
 Cambridge University Press  
 The MIT Press  
 Taylor & Francis

### **Tenure and Promotion Reviewer**

Cornell University  
 Duke University  
 Loyola University  
 Middlebury College  
 Ohio State University  
 Oregon Health and Science University  
 Pennsylvania State University  
 Princeton University  
 Rutgers University  
 University of Chicago  
 University of Colorado, Boulder  
 University of Illinois  
 University of Iowa  
 University of Massachusetts, Amherst  
 University of Michigan

University of Nebraska  
 University of North Carolina  
 University of Wisconsin  
 Yale University

## **Grant Reviewer**

Bi-National Science Foundation  
 Leverhulme Trust (United Kingdom)  
 National Institutes of Health  
 National Science Foundation  
     Decision, Risk, and Management Sciences Program  
     Economics Program  
     Human Cognition and Perception Program  
     Law and Social Sciences Program  
     Social and Developmental Psychology Program  
 Netherlands Organisation for Scientific Research, Division of Social Sciences  
 U.S. Department of Agriculture's Small Business Innovation Research (SBIR) Program  
 U.S. Department of Education Graduate Professional Opportunities Program (evaluated colleges  
     and universities to determine recipients of federal grants)

## **Guest Editor**

*Developmental Review*, special issue.  
*Medical Decision Making*, special issue.

## **Consultant**

Alliance to End Childhood Lead Poisoning  
 Kellogg Foundation (assessment of grant to PPEP-TEC to improve education for migrant  
     workers and other at-risk students using technological innovations)  
 U.S. Department of Health and Human Services, Office of the Assistant Secretary for Health (on  
     risk communication and education)

## **Conference/Program Reviewer**

**National/International**

Association for Psychological Science  
Cognitive Science Society  
National Association of Chicano Studies  
Society for Medical Decision Making  
Society for Research in Child Development

**State/Regional**

Arizona Association of Chicanos in Higher Education  
Arizona Educational Research Organization  
Arizona Health Outcomes Research Conference  
Arizona Hispanic Women's Corporation