

# Christopher F. Chabris

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## Academic Appointments

- 2017– Professor of Neurology and Psychology, Geisinger Commonwealth School of Medicine, Scranton, PA
- 2016– Professor, Geisinger Health System, Lewisburg, PA
- 2015– Visiting Fellow, Institute for Advanced Study in Toulouse, France
- 2012– Faculty Affiliate, MIT Center for Collective Intelligence, Cambridge, MA
- 2009– Research Economist, National Bureau of Economic Research, Cambridge, MA
- 2012–2017 Associate Professor of Psychology, Union College, Schenectady, NY [on leave 2016–17]
- 2008–2017 Adjunct Assistant Professor of Neurology, Albany Medical College, Albany, NY
- 2010–2016 Co-Director, Neuroscience Program, Union College, Schenectady, NY
- 2009–2012 Research Affiliate, MIT Center for Collective Intelligence, Cambridge, MA
- 2007–2012 Assistant Professor of Psychology, Union College, Schenectady, NY
- 2002–2007 Research Associate, Department of Psychology, Harvard University, Cambridge, MA
- 2005–2006 Lecturer, Department of Psychology, Harvard University, Cambridge, MA
- 2002–2003 Lecturer, Department of Psychology, Harvard University, Cambridge, MA
- 1999–2002 Postdoctoral Fellow, Department of Psychology, Harvard University, Cambridge, MA
- 1999–2001 Research Fellow, NMR Center, Massachusetts General Hospital, Charlestown, MA
- 1999–2001 Research Fellow, Department of Radiology, Harvard Medical School, Boston, MA

## Education

- 1999 Harvard University, Ph.D. in Psychology
- 1997 Harvard University, A.M. in Psychology
- 1988 Harvard University, A.B. *cum laude* in Computer Science

## Honors and Awards

- 2017 Association for Psychological Science Teaching Institute: Distinguished Lecture
- 2016 Union College Stillman Prize for Excellence in Teaching [shortlisted]
- 2004 Ig Nobel Prize in Psychology, joint with Daniel J. Simons (for “achievements that first make people laugh, and then make them think”)
- 2002 NARSAD Young Investigator Award
- 2001 Harvard University Richard J. Herrnstein Prize (for the “best dissertation that exhibits excellent scholarship, originality and breadth of thought, and a commitment to intellectual independence”)
- 2001 DCI Postdoctoral Research Fellowship (through Harvard University)
- 1999 NIH Postdoctoral Fellowship (through Massachusetts General Hospital)
- 1998 Max Planck Society Schloessman Award
- 1993 NSF Graduate Fellowship
- 1988 John Harvard Scholarship
- 1987 Harvard College Scholarship
- 1984 National Merit Scholarship

## Scientific Publications

(in reverse chronological order; reprints, preprints, and links available at: [www.chabris.com/Publications.html](http://www.chabris.com/Publications.html))

- Wai, J., Worrell, F.C., & Chabris, C.F. (2017). The consistent influence of general cognitive ability in college, career, and lifetime achievement. In K.L. McClarty, K.D. Mattern, & M.N. Gaertner (Eds.), *Preparing students for college and careers: Theory, measurement, and educational practice* (pp. 46–56). New York: Routledge.
- Chabris, C.F. (2017). Six suggestions for research on games in cognitive science. *Topics in Cognitive Science*, 9, 497–509.
- Lee, J.J., & Chabris, C.F. (2017). Genomic data can illuminate the architecture and evolution of cognitive abilities. [Commentary on “The evolution of general intelligence” by Buckart., J.M., Schubiger, M.N., & van Schaik, C.P.] *Behavioral and Brain Sciences*.
- Egol, K.A., Schwarzkopf, R., Funge, J., Gray, J. Chabris, C.F., Jerde, T.E., & Strauss, E.J. (2017). Can video game dynamics identify orthopaedic surgery residents who will succeed in training? *International Journal of Medical Education*, 8, 123–125.
- Sniekers, S., et al. (2017). Genome-wide association meta-analysis of 78,308 individuals identifies new loci and genes influencing human intelligence. *Nature Genetics*. [One of 30 co-authors.]
- Simons, D.J., Boot, W.R., Charness, N., Gathercole, S.E., Chabris, C.F., Hambrick, D.Z., & Stine-Morrow, E.A.L. (2016). Do “brain training” programs work? *Psychological Science in the Public Interest*, 17(3), 103–186.
- Okbay, A., and the Social Science Genetic Association Consortium (2016). Genome-wide association study identifies 74 loci associated with educational attainment. *Nature*, 533, 539–542. [One of 256 co-authors on paper by international consortium of researchers.]
- Hart, J.J., & Chabris, C.F. (2016). Does a “triple package” of traits predict success? *Personality and Individual Differences*, 94, 216–222.
- Schuldt, J.P.,\* Chabris, C.F.,\* Woolley, A.W., & Hackman, J.R. (2015). How individual differences in confidence affect judgments made collectively by dyads. *Journal of Behavioral Decision Making*. [\*These authors contributed equally to the work.]
- Chabris, C.F.,\* Lee, J.J.,\* Cesarini, D., Benjamin, D.J., & Laibson, D.I. (2015). The Fourth Law of Behavior Genetics. *Current Directions in Psychological Science*, 24(4), 304–312. [\*These authors contributed equally to the work.]
- Engel, D., Woolley, A.W., Aggarwal, I., Chabris, C.F., Takahashi, M., Nemoto, K., Kaiser, C., Kim, Y.J., & Malone, T.W. (2015). Collective intelligence in computer-mediated collaboration emerges in different contexts and cultures. *Proceedings of the Conference on Human Factors in Computing Systems (CHI 2015)*. Seoul, April.
- Engel, D., Woolley, A.W., Jing, L.X., Chabris, C.F., & Malone, T.W. (2014). Reading the mind in the eyes or reading between the lines? Theory of Mind predicts collective intelligence equally well online and face-to-face. *PLoS One*, 9(12), e115212.
- Rietveld, C.A., Conley, D., Eriksson, N., Esko, T., Medland, S.E., Vinkhuyzen, A.A.E., Yang, J., Boardman, J., Chabris, C.F., et al. (2014). Replicability and robustness of GWAS for behavioral traits. *Psychological Science*, 25(11), 1975–1986.

- Rietveld, C.A., Esko, T., Davies, G., Pers, T.H., Turley, P., Benyamin, B., Chabris, C.F., et al. (2014). Common genetic variants associated with cognitive performance identified using the proxy-phenotype method. *Proceedings of the National Academy of Sciences*, *111*(38), 13790–13794.
- Chabris, C.F.,\* Lee, J.J.,\* Benjamin, D.J., Beauchamp, J.P., Glaeser, E.L., Borst, G., Pinker, S., & Laibson, D.I. (2013). Why is it hard to find genes that are associated with social science traits? Theoretical and empirical considerations. *American Journal of Public Health*, *103*(S1), S152–S166. [\*These authors contributed equally to the work.]
- Galsworthy, M.J., Arden, R., & Chabris, C.F. (2013). Animal models of general cognitive ability for genetic research into cognitive functioning. In C.A. Reynolds & D. Finkel (Eds.), *Behavior genetics of cognition across the lifespan* (pp. 257–277). New York: Springer.
- Lee, J.J., & Chabris, C.F. (2013). General cognitive ability and the psychological refractory period: Individual differences in the mind's bottleneck. *Psychological Science*, *24*(7), 1226–1233.
- Rietveld, C.A., and the Social Science Genetic Association Consortium (2013). GWAS of 126,559 individuals identifies genetic variants associated with educational attainment. *Science*, *340*, 1467–1471. [One of 204 co-authors on paper by international consortium of researchers.]
- Chabris, C.F., Hebert, B.M., Benjamin, D.J., Beauchamp, J.P., Cesarini, D., van der Loos, M.J.H.M., Johannesson, M., Magnusson, P.K.E., Lichtenstein, P., Atwood, C.S., Freese, J., Hauser, T.S., Hauser, R.M., Christakis, N.A., & Laibson, D. (2012). Most reported genetic associations with general intelligence are probably false positives. *Psychological Science*, *23*(11), 1314–1323.
- Benjamin, D.J., Cesarini, D., Chabris, C.F., Glaeser, E., Laibson, D.I., Gudnason, V., Harris, T.B., Launer, L.J., Purcell, S., Smith, A.V., Johannesson, M., Beauchamp, J.P., Christakis, N.A., Atwood, C.S., Hebert, B.M., Freese, J., Hauser, R.M., Hauser, T.S., Magnusson, P.K.E., Grankvist, A., Hultman, C., & Lichtenstein, P. (2012). The promises and pitfalls of genoconomics. *Annual Review of Economics*, *4*, 627–662.
- Benjamin, D.J., Cesarini, D., van der Loos, M.J.H.M., Dawes, C.T., Koellinger, P.D., Magnusson, P.K.E., Chabris, C.F., Conley, D., Laibson, D., Johannesson, M., & Visscher, P.M. (2012). The genetic architecture of economic and political preferences. *Proceedings of the National Academy of Sciences*, *109*(21), 8026–8031.
- Germine, L., Nakayama, K., Duchaine, B.C., Chabris, C.F., Chatterjee, G., & Wilmer, J.B. (2012). Is the web as good as the lab? Comparable performance from web and lab in cognitive/perceptual experiments. *Psychonomic Bulletin and Review*, *19*(5), 847–857.
- Simons, D.J., & Chabris, C.F. (2012). Common (mis)beliefs about memory: A replication and comparison of telephone and Mechanical Turk survey methods. *PLoS One*, *7*(12), e51876.
- Wilmer, J.B., Germine, L., Chabris, C.F., Chatterjee, G., Gerbasi, M., & Nakayama, K. (2012). Capturing specific abilities as a window into human individuality: The example of face recognition. *Cognitive Neuropsychology*, *29*(5–6), 360–392.
- Chabris, C.F., Weinberger, A., Fontaine, M., & Simons, D.J. (2011). You do not talk about fight club if you do not notice fight club: Inattentive blindness for a simulated real-world assault. *i-Perception*, *2*, 150–153.
- Simons, D.J., & Chabris, C.F. (2011). What people believe about how memory works: A representative survey of the U.S. population. *PLoS ONE*, *6*(8), e22757.

- Woolley, A.W., Chabris, C.F., Pentland, A., Hashmi, N., & Malone, T.W. (2010). Evidence for a collective intelligence factor in the performance of human groups. *Science*, *330*, 686–688. [Covered in “Defend Your Research,” *Harvard Business Review*, June 2011.]
- Chabris, C.F., & Simons, D.J. (2010). *The invisible gorilla, and other ways our intuitions deceive us*. New York: Crown; London: HarperCollins. [Reprinted 16 times; New York Times bestseller in paperback, 6/26/11; reviewed by *Science*, *Trends in Cognitive Sciences*, *New Scientist*, and other media; published or forthcoming in 19 foreign-language editions.]
- Wilmer, J.B., Germine, L., Chabris, C.F., Chatterjee, G., Williams, M., Loken, E., Nakayama, K., & Duchaine, B. (2010). Human face recognition is specific and highly heritable: A twin study. *Proceedings of the National Academy of Sciences*, *107*(11), 5238–5241.
- Banerjee, K., Chabris, C.F., Lee, J.J., Johnson, V.E., Tsao, F., & Hauser, M.D. (2009). General intelligence in another primate: Individual differences across cognitive task performance in a New World monkey (*Saguinus oedipus*). *PLoS ONE*, *4*(6), e5883.
- Chabris, C.F., Laibson, D.I., Morris, C.L., Schuldt, J.P., & Taubinsky, D. (2009). The allocation of time in decision-making. *Journal of the European Economic Association*, *7*(2–3), 628–637. [NBER Working Paper #14353, September 2008, titled “Measuring intertemporal preferences with response times.”]
- Chabris, C.F., Laibson, D.I., Morris, C.L., Schuldt, J.P., & Taubinsky, D. (2008). Individual laboratory-measured discount rates predict field behavior. *Journal of Risk and Uncertainty*, *37*(2–3), 237–269. [NBER Working Paper #14270, August 2008.]
- Chabris, C.F., Laibson, D.I., & Schuldt, J.P. (2008). Intertemporal choice. In S.N. Durlauf & L.E. Blume (Eds.), *The New Palgrave Dictionary of Economics* (2nd ed.). London: Palgrave Macmillan.
- Woolley, A.W., Gerbasi, M.E., Chabris, C.F., Kosslyn, S.M., & Hackman, J.R. (2008). Bringing in the experts: How team composition and collaborative planning jointly shape analytic effectiveness. *Small Group Research*, *39*(3), 352–371. [Nominated for the 2007–2008 *Small Group Research* Best Article Award.]
- Chabris, C.F. (2007). Cognitive and neurobiological mechanisms of the Law of General Intelligence. In M.J. Roberts (Ed.), *Integrating the mind: Domain specific versus domain general processes in higher cognition* (pp. 449–491). Hove, UK: Psychology Press.
- Benjamin, D.J., Chabris, C.F., Glaeser, E.L., Gudnason, V., Harris, T., Laibson, D.I., Launer, L., & Purcell, S. (2007). Genoeconomics. In M. Weinstein, J.W. Vaupel, & K.W. Wachter (Eds.), *Biosocial surveys* (pp. 304–335). Washington, DC: The National Academies Press.
- Woolley, A.W., Hackman, J.R., Jerde, T.E., Chabris, C.F., Bennett, S.L., & Kosslyn, S.M. (2007). Using brain-based measures to compose teams: How individual capabilities and team collaboration strategies jointly shape performance. *Social Neuroscience*, *2*(2), 96–105.
- Chabris, C.F., & Glickman, M.E. (2006). Sex differences in intellectual performance: Analysis of a large cohort of competitive chess players. *Psychological Science*, *17*(12), 1040–1046.
- Harris, G.J., Chabris, C.F., Clark, J., Urban, T., Aharon, I., Steele, S., McGrath, L., Condouris, K., & Tager-Flusberg, H. (2006). Brain activation during semantic processing in autism spectrum disorders via functional magnetic resonance imaging. *Brain and Cognition*, *61*(1), 54–68.

- Aharon, I., Becerra, L., Chabris, C.F., & Borsook, D. (2006). Noxious heat induces fMRI activation in two anatomically distinct clusters within the nucleus accumbens. *Neuroscience Letters*, *392*(3), 159–164.
- Chabris, C.F., & Kosslyn, S.M. (2005). Representational correspondence as a basic principle of diagram design. In S-O. Tergan & T. Keller (Eds.), *Information visualization and knowledge visualization: Searching for synergies* (pp. 36–57). Berlin: Springer.
- Hooven, C.K., Chabris, C.F., Ellison, P.T., & Kosslyn, S.M. (2004). The relationship of male testosterone to components of mental rotation. *Neuropsychologia*, *42*(6), 782–790.
- Hadjikhani, N., Chabris, C.F., Joseph, R.M., Clark, J., McGrath, L., Aharon, I., Feczko, E., Tager-Flusberg, H., & Harris, G.J. (2004). Early visual cortex organization in autism: An fMRI study. *Neuroreport*, *15*(2), 267–270.
- Hadjikhani, N., Joseph, R.M., Chabris, C.F., Clark, J., Steele, S., McGrath, L., Vangel, M., Snyder, J., Aharon, I., Feczko, E., Tager-Flusberg, H., & Harris, G.J. (2004). Activation of the fusiform gyrus when individuals with autism view faces. *Neuroimage*, *22*(3), 1141–1150.
- Gray, J.R., Chabris, C.F., & Braver, T.S. (2003). Neural mechanisms of general fluid intelligence. *Nature Neuroscience*, *6*(3), 316–322.
- Chabris, C.F., & Hearst, E.S. (2003). Visualization, pattern recognition, and forward search: Effects of playing speed and sight of the position on grandmaster chess errors. *Cognitive Science*, *27*(4), 637–648.
- Laeng, B., Chabris, C.F., & Kosslyn, S.M. (2003). Asymmetries in encoding spatial relations. In K. Hugdahl & R.J. Davidson (Eds.), *The asymmetrical brain* (pp. 303–339). Cambridge, MA: MIT Press.
- Levin, D.T., Simons, D.J., Angelone, B., & Chabris, C.F. (2002). Memory for centrally attended changing objects in an incidental real-world change detection paradigm. *British Journal of Psychology*, *93*(3), 289–302.
- Simons, D.J., Chabris, C.F., Schnur, T.T., & Levin, D.T. (2002). Evidence for preserved representations in change blindness. *Consciousness and Cognition*, *11*(1), 78–97.
- Elman, I., Karlsgodt, K.H., Gastfriend, D.R., Chabris, C.F., & Breiter, H.C. (2002). Cocaine-primed craving and its relationship to depressive symptomatology in individuals with cocaine dependence. *Journal of Psychopharmacology*, *16*(2), 163–167.
- Herbert, M.R., Harris, G.J., Adrien, K.T., Ziegler, D.A., Makris, N., Kennedy, D.N., Lange, N.T., Chabris, C.F., Bakardjiev, A., Hodgson, J., Takeoka, M., Tager-Flusberg, H., & Caviness, V.S. (2002). Abnormal asymmetry in language association cortex in autism. *Annals of Neurology*, *52*(5), 588–596.
- Aharon, I.,\* Etcoff, N.,\* Ariely, D.,\* Chabris, C.F.,\* O'Connor, E., & Breiter, H.C. (2001). Beautiful faces have variable reward value: Behavioral and fMRI evidence. *Neuron*, *32*(3), 537–551. [\*These authors contributed equally to the work.]
- Most, S.B., Simons, D.J., Scholl, B.J., Jimenez, R., Clifford, E., & Chabris, C.F. (2001). How not to be seen: The contribution of similarity and selective ignoring to sustained inattention blindness. *Psychological Science*, *12*(1), 9–17.
- Most, S.B., Simons, D.J., Scholl, B.J., & Chabris, C.F. (2000). Sustained inattention blindness: The role of location in the detection of unexpected dynamic events. *Psyche*, *6*(14).

- Chabris, C.F. (1999). Cognitive and neuropsychological mechanisms of expertise: Studies with chess masters. Doctoral dissertation, Harvard University.
- Chabris, C.F. (1999). Prelude or requiem for the “Mozart effect”? *Nature*, *400*, 826–827.
- Simons, D.J., & Chabris, C.F. (1999). Gorillas in our midst: Sustained inattention blindness for dynamic events. *Perception*, *28*(9), 1059–1074.
- Baker, D.P., Chabris, C.F., & Kosslyn, S.M. (1999). Encoding categorical and coordinate spatial relations without input-output correlations: New simulation models. *Cognitive Science*, *23*(1), 33–51.
- Chabris, C.F., & Kosslyn, S.M. (1998). How do the cerebral hemispheres contribute to encoding spatial relations? *Current Directions in Psychological Science*, *7*(1), 8–14.
- Chabris, C.F. (1998). IQ since “The Bell Curve.” *Commentary*, *106*(2), 33–40.
- Chabris, C.F., et al. (1998). Does IQ matter? *Commentary*, *106*(5), 13–23.
- Mijovic-Prelec, D., Chabris, C.F., Kosslyn, S.M., Shin, L.M., & Wray, S. (1998). The judgment of absence in neglect. *Neuropsychologia*, *36*(8), 797–802.
- Kosslyn, S.M., Chabris, C.F., & Baker, D.P. (1995). Neural network models as evidence for different types of visual representations. *Cognitive Science*, *19*(4), 575–579.
- Kosslyn, S.M., Chabris, C.F., Marsolek, C.J., Jacobs, R.A., & Koenig, O. (1995). On computational evidence for different types of spatial relations encoding: Reply to Cook et al. (1995). *Journal of Experimental Psychology: Human Perception and Performance*, *21*(2), 423–431.
- Chabris, C.F., & Kosslyn, S.M. (1995). Illustrated editorial is value-added text. *Folio*, February, 28–29. [Reprinted, as “A picture is worth 1,000 words,” in *Folio Special Sourcebook Issue*, 1996.]
- Kosslyn, S.M., Alpert, N.M., Thompson, W.L., Chabris, C.F., Rauch, S.L., & Anderson, A.K. (1994). Identifying objects seen from different viewpoints: A PET investigation. *Brain*, *117*(5), 1055–1071.
- Mijovic-Prelec, D., Shin, L.M., Chabris, C.F., & Kosslyn, S.M. (1994). When does “no” really mean “yes”? A case study in unilateral visual neglect. *Neuropsychologia*, *32*(2), 151–158.
- Kosslyn, S.M., & Chabris, C.F. (1993). The mind is not a camera, the brain is not a VCR: Some psychological guidelines for designing charts and graphs. *Aldus Magazine*, September/October, 35–38.
- Kosslyn, S.M., Alpert, N.M., Thompson, W.L., Maljkovic, V., Weise, S.B., Chabris, C.F., Hamilton, S.E., Rauch, S.L., & Buonanno, F.S. (1993). Visual mental imagery activates topographically organized visual cortex: PET investigations. *Journal of Cognitive Neuroscience*, *5*(3), 263–287. [Reprinted in: M.S. Gazzaniga (Ed.), *Cognitive Neuroscience: A Reader*. Oxford: Blackwell, 2000.]
- Chabris, C.F., & Hamilton, S.E. (1992). Hemispheric specialization for skilled perceptual organization by chessmasters. *Neuropsychologia*, *30*(1), 47–57.
- Kosslyn, S.M., Chabris, C.F., Marsolek, C.J., & Koenig, O. (1992). Categorical versus coordinate spatial relations: Computational analyses and computer simulations. *Journal of Experimental Psychology: Human Perception and Performance*, *18*(2), 562–577. [Reprinted in: S.M. Kosslyn & R.A. Anderson (Eds.), *Frontiers in Cognitive Neuroscience* (pp. 196–211). Cambridge, MA: MIT Press, 1992.]
- Kosslyn, S.M., & Chabris, C.F. (1992). Minding information graphics. *Folio*, February, 69–71.

- Kosslyn, S.M.,\* & Chabris, C.F.\* (1990). Naming pictures. *Journal of Visual Languages and Computing*, 1(1), 77–95. [\*These authors contributed equally to the work.]
- Kosslyn, S.M., Chabris, C.F., & Hamilton, S.E. (1990). Designing for the mind: Five psychological principles of articulate graphics. *Multimedia Review*, 1(3), 23–29.
- O'Reilly, R.C., Kosslyn, S.M., Marsolek, C.J., & Chabris, C.F. (1990). Receptive field characteristics that allow parietal lobe neurons to encode spatial properties of visual input: A computational analysis. *Journal of Cognitive Neuroscience*, 2(2), 141–155.

## Book Reviews

- Chabris, C.F. (2017). How we make up our minds. [Review of four books: (1) *Scienceblind: Why Our Intuitive Theories About the World Are So Often Wrong* by Andrew Shtulman; (2) *The Secret Life of the Mind: How Your Brain Thinks, Feels, and Decides* by Mariano Sigman; (3) *Strange Contagion: Inside the Surprising Science of Infectious Behaviors and Viral Emotions and What They Tell Us About Ourselves* by Lee Daniel Kravetz; (4) *The Influential Mind: What the Brain Reveals About Our Power to Change Others* by Tali Sharot.] *The New York Times*, 24 September.
- Chabris, C.F. (2014). What you need to remember. [Review of the book *The Organized Mind* by Daniel J. Levitin.] *The Wall Street Journal*, 16 August.
- Chabris, C.F. (2013). The Goliath of nonfiction. [Review of the book *David and Goliath: Underdogs, Misfits, and the Art of Battling Giants* by Malcolm Gladwell.] *The Wall Street Journal*, 28 September. (Selected by *Arts & Letters Daily*.)
- Chabris, C.F. (2012). Go ahead, think it over. [Review of the book *Wait: The Art and Science of Delay* by Frank Partnoy.] *The Wall Street Journal*, 23 June.
- Chabris, C.F. (2012). Boggle the mind. [Review of the book *Imagine: How Creativity Works* by Jonah Lehrer.] *The New York Times*, 13 May.
- Chabris, C.F. (2011). Why the grass is greener. [Review of the book *Thinking, Fast and Slow* by Daniel Kahneman.] *The Wall Street Journal*, 22 October.
- Chabris, C.F. (2011). Think again. [Review of three books: (1) *Now You See It: How the Brain Science of Attention Will Transform the Way We Live, Work, and Learn* by Cathy Davidson; (2) *Brain Bugs: How the Brain's Flaws Shape Our Lives* by Dean Buonomano; (3) *The Compass of Pleasure: How Our Brains Make Fatty Foods, Orgasm, Exercise, Marijuana, Generosity, Vodka, Learning, and Gambling Feel So Good* by David J. Linden.] *The New York Times*, 16 October.
- Chabris, C.F. (2011). The stranger within. [Review of the book *Incognito: The Secret Lives of the Brain* by David Eagleman.] *The Wall Street Journal*, 15 June.
- Chabris, C.F. (2011). Knowing what isn't so. [Review of the book *Everything is Obvious: Once You Know the Answer* by Duncan Watts.] *The Wall Street Journal*, 9 April.
- Chabris, C.F. (2011). The mind readers. [Review of the book *The Social Animal: The Hidden Sources of Love, Character, and Achievement* by David Brooks.] *The Wall Street Journal*, 5 March.
- Chabris, C.F. (2010). The other “g” spot. [Review of the book *How Intelligence Happens* by John Duncan.] *The Wall Street Journal*, 23 October.
- Chabris, C.F. (2010). Pick an ordeal, any ordeal. [Review of the book *The Art of Choosing* by Sheena Iyengar.] *The Wall Street Journal*, 16 April.

- Chabris, C.F. (2010). Old habits die hard. [Review of the book *Switch: How to Change Things When Change is Hard* by Chip Heath and Dan Heath.] *The Wall Street Journal*, 19 February.
- Chabris, C.F. (2009). Information, please. [Review of the book *Reading in the brain: The science and evolution of a human invention* by Stanislas Dehaene.] *The Wall Street Journal*, 18 December.
- Chabris, C.F. (2009). Why the eyes have it. [Review of the book *The vision revolution: How the latest research overturns everything we thought we knew about human vision* by Mark Changizi.] *The Wall Street Journal*, 19 June.
- Chabris, C.F. (2009). How to wake up slumbering minds. [Review of the book *Why don't students like school? A cognitive scientist answers questions about how the mind works and what it means for the classroom* by Daniel T. Willingham.] *The Wall Street Journal*, 27 April. (Selected by *Arts & Letters Daily*, summarized in *The Week*.)
- Chabris, C.F. (2009). Last-minute changes. [Review of the book *The 10,000 year explosion: How civilization accelerated human evolution* by Gregory Cochran and Henry Harpending.] *The Wall Street Journal*, 12 February. (Selected by *Arts & Letters Daily*.)
- Chabris, C.F. (2008). You have too much mail. [Review of the book *The overflowing brain: Information overload and the limits of working memory* by Torkel Klingberg.] *The Wall Street Journal*, 15 December.
- Chabris, C.F. (2008). The reflection reflex: How brain researchers pinpointed the inextricable link between seeing and doing. [Review of two books: (1) *Mirroring people: The new science of how we connect with others* by Marco Iacoboni; (2) *Mirrors in the brain: How our minds share actions, emotions, and experience* by Giacomo Rizzolatti and Corrado Sinigaglia.] *The Wall Street Journal*, 31 May.
- Chabris, C.F. (2005). Marked by genius. [Review of the book *The creating brain: The neuroscience of genius* by Nancy C. Andreasen.] *The Wall Street Journal*, 30 December.
- Chabris, C.F. (2004). Molecules of desire. [Review of the book *Why we love: The nature and chemistry of romantic love* by Helen Fisher.] *The Wall Street Journal*, 13 February.
- Chabris, C.F. (1999). Braintwisters. [Review of the book *The myth of the first three years: A new understanding of early brain development and lifelong learning* by John T. Bruer.] *Commentary*, 108(5), 74–77.

## Essays and Commentaries

- Chabris, C.F., & Hart, J.J. (2016). How not to explain success. *The New York Times*, 10 April. [Reprinted in *Gulf News* (Dubai), 11 April 2016.]
- Chabris, C.F., & Simons, D.J. (2016). Les souvenirs des attentats de Bruxelles sont-ils gravés dans les mémoires ou effaçables? *Le Huffington Post*, 1 April.
- Simons, D.J., & Chabris, C.F. (2015). A simple solution for distracted driving. *The Wall Street Journal*, 31 October.
- Meyer, M.N., & Chabris, C.F. (2015). Corporations, please experiment on us. *The New York Times*, 21 June.
- Chabris, C.F., & Simons, D.J. (2015). How not to be the next Brian Williams: Ten ways to avoid false memories. *Slate*, 10 February.



- Chabris, C.F. (2015). Why is it hard to think about thinking machines? [symposium contribution] *Edge*, 17 January. [edge.org/response-detail/26224] Reprinted in: Brockman, J. (Ed.) (2015). *What to think about machines that think*. New York: Harper Perennial.
- Woolley, A.W., Malone, T.W., & Chabris, C.F. (2015). Why some teams are smarter than others. *The New York Times*, 18 January. [#2 most emailed and #1 most shared article on NYTimes.com]
- Chabris, C.F., & Simons, D.J. (2014). Why our memory fails us. *The New York Times*, 2 December. [#2 most emailed and shared article on NYTimes.com]
- Meyer, M.N., & Chabris, C.F. (2014). Why psychologists' food fight matters. *Slate*, 31 July. [French translation: "Les chercheurs en psychologie s'écharpent, et nous ne devrions pas nous en laver les mains," Slate.fr, 1 October.]
- Hambrick, D.Z., & Chabris, C.F. (2014). Yes, IQ really matters: Critics of the SAT and other standardized tests are disregarding the data. *Slate*, 15 April. [#2 most popular article on Slate.com]
- Chabris, C.F. (2014). On Kahneman. [symposium contribution] *Edge*, 27 March. [edge.org/conversation/on-kahneman-the-reality-club]
- Chabris, C.F., & Wai, J. (2014). Smart hiring? Maybe for Google. *Los Angeles Times*, 9 March. [Reprinted in *Atlanta Journal-Constitution*, *Arizona Daily Sun*.]
- Chabris, C.F. (2013). The trouble with Malcolm Gladwell. *Slate*, 8 October. [#1 most popular article on Slate.com]
- Meyer, M.N., & Chabris, C.F. (2013). Government: When push comes to nudge. *Los Angeles Times*, 29 September.
- Simons, D.J., & Chabris, C.F. (2013). Is Google Glass dangerous? *The New York Times*, 26 May.
- Chabris, C.F. (2013). Multibillion-dollar map of human brain might not be worth it. *Los Angeles Times*, 17 March.
- Chabris, C.F., & Simons, D.J. (2013). Does this ad make me fat? *The New York Times*, 10 March.
- Chabris, C.F., & Simons, D.J. (2012). Using just 10% of your brain? Think again. *The Wall Street Journal*, 17 November.
- Simons, D.J., & Chabris, C.F. (2012). Do our gadgets really threaten planes? *The Wall Street Journal*, 8 September.
- Chabris, C.F., & Simons, D.J. (2012). Why we should scam the scammers. *The Wall Street Journal*, 3 August.
- Chabris, C.F., & Simons, D.J. (2010). Fight "The Power." *The New York Times*, 26 September.
- Chabris, C.F., & Simons, D.J. (2010). Digital alarmists are wrong. *Los Angeles Times*, 25 July. [Selected for "Quote of the week" in *The Week*. Reprinted in: Bachmann, S., & Barth, M., *Between Worlds: A Reader, Rhetoric, and Handbook*. Boston: Pearson, 2012.]
- Simons, D.J., & Chabris, C.F. (2010). Do politicians lie, or just misremember it wrong? *Chicago Tribune*, 25 July.
- Chabris, C.F., & Simons, D.J. (2010). Why financial reform will fail. *The Daily Beast*, 14 July.
- Chabris, C.F., & Simons, D.J. (2010). Obama and the oil spill: In the abstract. *The Huffington Post*, 21 June. (Revised version published as "Driven to abstraction" at *PBS Need to Know*, 5 July.)

- Simons, D.J., & Chabris, C.F. (2010). Hands-free cellphones not solution to distracted driving. *The Seattle Times*, 3 June.
- Simons, D.J., & Chabris, C.F. (2010). The trouble with intuition. *Chronicle of Higher Education*, 30 May. [Selected by *Arts & Letters Daily*.]
- Simons, D.J., & Chabris, C.F. (2010). Why losers have delusions of grandeur. *New York Post*, 23 May.
- Chabris, C.F., & Simons, D.J. (2010). Four ways information can lead us astray. *OPEN Forum*, 19 May.
- Chabris, C.F., & Simons, D.J. (2010). Think again. *Spirit*, May.
- Chabris, C.F. (2010). Hard questions from “soft” sciences. *The Wall Street Journal*, 16 April.

### **Papers Submitted for Publication**

- Chabris, C.F., Wai, J., Jerde, T.E., Woolley, A.W., Gerbasi, M.E., Schuldt, J.P., Bennett, S.L., Hackman, J.R., & Kosslyn, S.M. (2017). Spatial and object visualization cognitive styles: Validation studies in 3839 individuals. Submitted to *Personality and Individual Differences*.
- Heck, P.R., Simons, D.J., & Chabris, C.F. (2017). 65% of Americans believe they are above average in intelligence: Results of two nationally representative surveys. Submitted to *Social Psychological and Personality Science*.
- Hooven, C.K.,\* Wai, J., Kievit, R.A., Ellison, P.T., Kosslyn, S.M., & Chabris, C.F.\* (2017). The sex difference on mental rotation tests is not necessarily a difference in mental rotation ability. Revised and resubmitted to *Nature Scientific Reports*. [\*These authors contributed equally to the work.]
- Beauchamp, J.P., Benjamin, D.J., Chabris, C.F., & Laibson, D.I. (2017). Controlling for the compromise effect debiases estimates of risk preference parameters. Submitted to *Experimental Economics*. [NBER Working Paper #21792, December 2015.]
- Lee, J.J., and the Social Science Genetic Association Consortium (2017). Gene discovery and polygenic prediction from a 1.1-million-person GWAS of educational attainment. Submitted to *Nature Genetics*. [One of 80 co-authors on paper by international consortium of researchers.]

### **Selected Conference Presentations and Posters**

- Chabris, C.F. (2017). The Invisible Gorilla. Presented at the Geisinger National Symposium, Danville, PA, 8–10 November.
- Chabris, C.F. (2017). On the prevalence and persistence of “neuromyths.” Presented at the Wenner-Gren Foundations International Symposium, “Knowledge Resistance and How to Cure It.” Stockholm, 6–9 September.
- Chabris, C.F. (2017). The Invisible Gorilla and other critical everyday cognitive limitations. Keynote presentation at the International Pediatric Simulation Symposia and Workshops, Boston, MA, 1–3 June.
- Chabris, C.F. (2017). The Invisible Gorilla: From the classroom to the real world, and back again. Distinguished Lecture at the Association for Psychological Science Teaching Institute, Boston, MA, 25 May.
- Chabris, C.F. (2017). The Invisible Gorilla: From the classroom to the real world, and back again. Keynote presentation at the Michigan Undergraduate Psychology Research Conference, Hillsdale College, Hillsdale, MI, 8 April.

- Chabris, C.F. (2017). On the prevalence and persistence of “neuromyths.” Presented at the Swedish Collegium for Advanced Study Symposium “From Neuroscience to the Classroom,” Uppsala, Sweden, 5–6 April.
- Chabris, C.F. (2015). General intelligence, collective intelligence, and social intelligence. Presented at the Fourth Champalimaud Neuroscience Symposium: Perspectives on Social Behavior, Lisbon, 16–19 September.
- Chabris, C.F. (2015). Giving psychological science away: Writing for the public rather than for your colleagues. Presented at the Annual Meeting of the Association for Psychological Science, New York, 21–24 May. [Shorter version presented at the APS conference in San Francisco in 2014.]
- Chabris, C.F. (2014). Attention and memory as scarce cognitive resources. Keynote presentation at the Human Behavior in Design Conference, ETH, Ascona, Switzerland, 14–17 October.
- Chabris, C.F. (2014). Charging a fee to use the toilet: Attitudes about the place of markets in society. Presented at the Shifting Attitudes Conference, Institute for Advanced Study in Toulouse, 20 June.
- Chabris, C.F., Benjamin, D.J., & Simons, D.J. (2014). Overconfidence and the unskilled-but-unaware effect despite precise and accurate information about one’s skill: A study of tournament chess players. Presented at the Annual Meeting of the Midwest Economics Association, Evanston, IL, 21–23 March.
- Lang, H., Bongard, M., Chabris, C.F., DeAngelo, G., & Mandart, J. (2014). Theory of mind and general intelligence in dictator and ultimatum games. Presented at the Conference of the Eastern Economic Association, Boston, 6–9 March.
- Chabris, C.F. (2013). Finding the active ingredients in a chess intervention. Presented at the Chess and Education Conference, London, 7–8 December.
- Chabris, C.F. (2013). Aristotle’s hypothesis about the nature of collective intelligence. Presented at the CLLE Laboratory, Université de Toulouse le Mirail, Toulouse, 6 December.
- Chabris, C.F. (2013). Attention in cognitive psychology, neuroscience, and management. Presented at the Managerial and Organizational Attention Research Workshop, ETH Zurich, 13 June.
- Germine, L., Nakayama, K., Wilmer, J., Chatterjee, G., Chabris, C.F., & Hartshorne, J. (2013). Heterogeneity in cognitive maturation and aging: Why there is no such thing as an adult control. Presented at the Annual Meeting of the Vision Sciences Society, Naples, FL.
- Chabris, C.F. (2013). Aristotle’s hypothesis and the relationship between individual intelligence and collective intelligence. Presented at the Society for Personality and Social Psychology Judgment and Decision Making Preconference, New Orleans, 16 January.
- Chabris, C.F. (2012). Scientists and journalists: Personal reflections. Presented at the PopTech Science and Social Innovation Fellows Program, Camden, ME, 15 October.
- Chabris, C.F. (2012). The concept of attention in cognition and in management research. Remarks at the workshop “Attention Needs More Attention,” Academy of Management, Boston, 4 August.
- Chabris, C.F. (2012). Aristotle’s hypothesis and the relationship between individual intelligence and collective intelligence. Presented at the MIT Conference on Collective Intelligence, Cambridge, MA, 18–20 April.
- Chabris, C.F. (2011). Resisting unconscious manipulation: Should we bother? Presented at the Workshop on the Psychology and Economics of Scarce Attention, Toulouse, France, 23 September.

- Chabris, C.F., Hebert, B.M., Benjamin, D.J., Beauchamp, J., Atwood, C., Freese, J., Hauser, T.S., Hauser, R.M., & Laibson, D.I. (2010). Most published SNP associations with general cognitive ability are probably false positives. Presented at the Integrating Genetics and the Social Sciences Conference, Boulder, CO, 2–3 June.
- Lee, J.J., & Chabris, C.F. (2009). Genome-wide association studies of cognitive abilities: Transition from SNP-genotyping to whole-genome sequencing. Presented at the Annual Conference of the International Society for Intelligence Research, Madrid, 17–19 December.
- Benjamin, D.J., Chabris, C.F., Glaeser, E.L., Gudnason, V., Harris, T.B., Laibson, D.I., Launer, L.J., Purcell, S., & Smith, A.V. (2009). Molecular genetic influences on economic behavior. Presented at the IZA Workshop on Genes, Brains, and the Labor Market, Bonn, 6–8 November.
- Smith, A.V., Benjamin, D.J., Chabris, C.F., Purcell, S.M., Glaeser, E.L., Launer, L.J., Harris, T.B., Gudnason, V., & Laibson, D.I. (2009). Association of ALDH5A1 (SSADH) with human capital formation and cognitive function. Presented at the Meeting of the American Society for Human Genetics, Honolulu, HI, 20–24 October.
- Woolley, A.W., Malone, T., & Chabris, C.F. (2009). Conceptualizing collective intelligence. Presented at the Annual Conference of the Interdisciplinary Network for Group Research, Colorado Springs, CO, 16–18 July.
- Benjamin, D.J., Chabris, C.F., Glaeser, E.L., Gudnason, V., Harris, T.B., Laibson, D.I., Launer, L.J., Purcell, S., & Smith, A.V. (2009). Molecular genetic influences on economic behavior. Presented at the Annual Meeting of the Behavior Genetics Association, Minneapolis, MN, 17–20 June.
- Wilmer, J.B., Germine, L., Williams, M.A., Nakayama, K., Chabris, C.F., & Duchaine, B.C. (2009). Genetic and environmental contributions to memory for faces: Evidence from twins. Presented at the Annual Meeting of the Vision Sciences Society, Naples, FL, 8–13 May.
- Benjamin, D.J., Chabris, C.F., Glaeser, E.L., Gudnason, V., Harris, T.B., Laibson, D.I., Launer, L.J., Purcell, S., & Smith, A.V. (2009). Genetic influences on economic behavior. Presented at the Annual Meeting of the American Economic Association, San Francisco, 3–5 January.
- Chabris, C.F. (2008). Genetics of economic behavior and outcomes. Presented at the TECT Symposium on Money, Altruism, and Genes: Exploring the Genetic Basis of Cooperative and Commercial Behaviors, Barcelona, 20 November.
- Chabris, C.F. (2008). Innovation, creativity, and the illusion of genius. Presented at the 13th Annual Feigenbaum Forum, Union College, Schenectady, NY, 21 October.
- Chabris, C.F. (2008). Genetics in social science: The example of cognitive function. Presented at the National Institute on Aging HRS Data Monitoring Committee Meeting, Napa, CA, 14–15 March.
- Chabris, C.F., Gerbasi, M.E., Liebert, M., Nakayama, K., & Duchaine, B.C. (2007). Face recognition as a special cognitive ability: An individual differences study. Presented at the Annual Meeting of the Cognitive Neuroscience Society, New York, 5–8 May.
- Chabris, C.F. (2007). A neurobiological model for cognitive economics. Presented at the Conference on Cognitive Economics, Institute for Social Research, University of Michigan, Ann Arbor, MI, 5–6 April.
- Liebert, M.A., Chabris, C.F., Woolley, A.W., Gerbasi, M.E., Hackman, J.R., & Kosslyn, S.M. (2007). Differences in cognitive abilities and information processing styles among occupational groups. Presented at the Annual Meeting of the Academy of Management, Philadelphia, 9 August.

- Nakayama, K., Garrido, L., Russell, R., Chabris, C.F., Gerbasi, M., & Duchaine, B.C. (2006). Developmental prosopagnosia: Phenotypes and estimated prevalence. Presented at the Annual Meeting of the Society for Neuroscience, Atlanta, 14–18 October.
- Chabris, C.F., Aharon, I., Clark, J.A., McGrath, L., Steele, S., Tager-Flusberg, H., & Harris, G.J. (2002). A region in right prefrontal cortex is activated selectively by semantic processing of words about the mind in normal but not autistic individuals. Presented at the International Meeting for Autism Research, Orlando, FL, 1–2 November.
- Chabris, C.F., Aharon, I., Clark, J.A., Nakayama, K., Sepeta, L., Mignault, A., Joseph, R., McGrath, L., Tager-Flusberg, H., & Harris, G. (2002). Processing of facial expressions by autistic and normal adults: Behavioral and fMRI studies. Presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, 14–16 April.

### Unpublished Papers

- Simons, D.J., & Chabris, C.F. (2013). Phones on a plane! How psychological science can inform reasoning about regulation. Unpublished paper.
- Freese, J., Branigan, A.R., Atwood, C.S., Hauser, T.S., Benjamin, D.J., Chabris, C.F., Laibson, D.I., & Hauser, R.M. (2010). DRD2 Taq1a and college attendance, partisanship, voting, and other outcomes: Replication attempts using the Wisconsin Longitudinal Study. Northwestern University manuscript.
- Glickman, M.E., & Chabris, C.F. (2009). Comparing extreme members is a low-power method of comparing groups: An example using sex differences in chess performance. Unpublished paper.
- Chang, C., Srinivasan, B.S., Lee, J.J., Evans, E.A., Chabris, C.F., Thakuria, J., Pinker, S., Parmigiani, G., & Church, G. (2009). The Personal Phenome Project: An open source web application for computer adaptive phenotyping. Unpublished paper.
- Chabris, C.F., & Hearst, E.S. (2005). Search, recognition, and visualization in chess: Rebuttal to Gobet's critique of Chabris & Hearst (2003). Unpublished paper.
- Huffman, E.K.,\* Chabris, C.F.,\* Ariely, D., Aharon, I., Kaplan, L.M., & Breiter, H.C. (2001). Pictures of food have reward value that varies according to appetitive state. Unpublished paper. [\*These authors contributed equally to the work.]
- Chabris, C.F. (1999). Comments on Rauscher's reply [to "Prelude or requiem for the Mozart Effect?"]. Unpublished paper.
- Kosslyn, S.M., Chabris, C.F., Shephard, J.M., & Thompson, W.L. (1998). Spontaneous Use of Imagery Scale (SUIS). Unpublished questionnaire.
- Glickman, M.E., & Chabris, C.F. (1996). Using chess ratings as data in psychological research. Unpublished paper.

### Selected Other Publications

- Chabris, C.F. (2014–2017). Game On [monthly column]. *The Wall Street Journal*.  
 7/22/17: A new deal in card games.  
 4/22/17: High-stakes science for fun.  
 3/4/17: Computers get closer to mastering poker.  
 1/28/17: The tricks of sightless chess.  
 11/19/16: Does chess make you smarter?

- 10/1/16: When elections are just a game.
- 6/25/16: The fun of offbeat board games.
- 6/11/16: Bughouse, a crazy, addictive variation on chess.
- 5/14/16: The wicked humor of party games.
- 4/23/16: Handicaps for fairer chess.
- 4/16/16: An old goose's many guises.
- 3/19/16: The inside story on narrative games.
- 2/20/16: When diplomacy leads to betrayal.
- 1/23/16: The virtues of simple tic-tac-toe.
- 1/2/16: Why Go still foils the computers.
- 12/5/15: The creative spark of house rules.
- 11/7/15: Could an amateur win the World Series of Poker? How good is your poker? (w/ Ed Miller)
- 10/10/15: High-tech chess cheaters charge ahead.
- 9/12/15: Playing for profit, from Trump to Tesla.
- 8/15/15: Game makers' quest to capture the "fog of war."
- 7/11/15: The hidden depths of simple games.
- 6/6/15: The logic of poker's craziest new formats.
- 5/9/15: Is this buzzy game the next chess?
- 4/11/15: Pandemic? Let's overcome it together.
- 3/14/15: Variability in play is not dumb luck.
- 2/7/15: The strategic frontier of "Eurogames."
- 1/10/15: The real kings of chess aren't human. Anatomy of a computer chess game.
- 12/13/14: Chess yields to the young. Fabiano Caruana, future chess champion?
- 11/6/14: The play that changed poker.

Chabris, C.F. (2014). My best move. *Chess Life*, April.

Chabris, C.F., & Goodman, D. (2013). The cyber-renaissance in chess. *The Wall Street Journal*, 23 November.

Chabris, C.F. (2013). The science of winning poker. *The Wall Street Journal*, 28 July. [#1 most popular article on WSJ.com]

Chabris, C.F. (2009). Bobby Fischer recalled. *The Wall Street Journal*, 12 March.

Chabris, C.F. (2007). It's your move. [Review of the book *How life imitates chess: Making the right moves—from the board to the boardroom* by Garry Kasparov.] *The Wall Street Journal*, 25 October.

Chabris, C.F. (2006). How chess became the king of games. [Review of the book *The immortal game: A history of chess* by David Shenk.] *The Wall Street Journal*, 4 November.

Chabris, C.F. (2005). The other American game. [Review of four books: (1) *Moneymaker: How an amateur poker player turned \$40 into \$2.5 million at the World Series of Poker*; (2) *One of a kind: The Rise and fall of Stuey "The Kid" Ungar, the world's greatest poker player*; (3) *The professor, the banker, and the suicide king: Inside the richest poker game of all time*; (4) *The making of a poker player: How an Ivy League math geek learned to play championship poker*.] *The Wall Street Journal*, 8 July.

Chabris, C.F. (2002). A match for all seasons. [Review of the book *Behind Deep Blue: Building the computer that defeated the world chess champion* by Feng-Hsiung Hsu.] *The Wall Street Journal*, 27 December.

- Chabris, C.F. (2000). Checkmate for a champion. *The Wall Street Journal*, 7 November. [Reprinted in *The Asian Wall Street Journal*, 17 November.]
- Chabris, C.F. (1997). Lição histórica. *Veja*, 21 May, 104–105. [In Portuguese translation.] Published in English, as “Brave new chess world,” in *Chess Horizons*, September–October 1997.
- Wolff, P., & Chabris, C.F. (1997). *The complete idiot’s guide to chess*. New York: Alpha Books.
- Chabris, C.F. (1996). The last human champion? *Games*, August, 10–12, 14, 63.
- Chabris, C.F. (1995). The 6th Harvard Cup human-versus-computer chess challenge. *ICCA Journal*, 18(4), 249–250.
- Chabris, C.F., & Kopec, D. (1994). The 5th Harvard Cup human-versus-computer Intel chess challenge. *ICCA Journal*, 17(4), 224–232.
- Chabris, C.F. (1994). The girl who would be king. *Games*, February, 12–14, 65–66. (Best Human Interest Story, 1994 Chess Journalists of America awards.)
- Chabris, C.F. (1993). Kasparov revealed. [Review of the book *Mortal games: The turbulent genius of Garry Kasparov* by Fred Waitzkin.] *American Chess Journal*, 2, 109–114. (Best Review [Honorable Mention], 1994 Chess Journalists of America awards.)
- Chabris, C.F., & Kopec, D. (1993). The 4th Harvard Cup human-versus-computer chess challenge. *ICCA Journal*, 16(4), 232–241.
- Chabris, C.F. (1993). The Harvard Cup man-versus-machine chess challenge. *ICCA Journal*, 16(1), 57–61.
- Chabris, C.F. (1992). “The Polgar sisters”—facts or rumors? [Review of the book *The Polgar sisters: Training or genius?* by Cathy Forbes.] *American Chess Journal*, 1, 120–127.
- Hoechst, T., Melander, N., & Chabris, C.F. (1990). *Guide to ORACLE*. New York: McGraw-Hill.
- Chabris, C.F. (1989). *Artificial intelligence and Turbo C*. Homewood, IL: Dow Jones-Irwin. Japanese translation by the Kogaku-Sha Group, Tokyo, 1990.
- Chabris, C.F. (1987). *Artificial intelligence and Turbo Pascal*. Homewood, IL: Dow Jones-Irwin. (Book and book/disk editions.) British reprint by Chapman & Hall, 1989. Indian reprint by Galgotia, New Delhi, 1989 (second printing 1990).

## Research Funding Experience

(listed below are funded or pending *extramural* grant proposals of which I wrote all or part, in reverse chronological order)

- “Improving Collective Intelligence: Investigating the Effects of Online Groups, Group Size, and Gender Composition” (C.F. Chabris, co-PI), 1 September 2013–31 August 2016, National Science Foundation (total direct costs to CFC: \$3600). The goals of this project are to develop a software tool to measure the collective intelligence of collaborative teams online, and then to conduct experiments on the effect of team size and gender ratio on collective intelligence.
- “Psychological and Biological Mechanisms that Influence Lifecycle Investment” (D. Wise, Program Director; D.I. Laibson, PI; C.F. Chabris, co-investigator), 2011–2016, P01 from National Institute on Aging. This project investigates how genetic variation may influence economic behavior. A consortium will be created to pool data and conduct analyses among institutions and laboratories that have collected genomic and social science data. [This was a competitive renewal of the P01 grant listed below.]

- “Union College Renovation Project for Faculty and Undergraduate Research Facility” (S.G. Romero, PI; C.F. Chabris, co-investigator), 15 September 2010–28 February 2013 (total direct costs to Union College: ~\$900,000. The goal of this project was to renovate one floor of an academic building to create a new Center for Neuroscience, including office and laboratory space for research and student training.
- “Measuring and Modeling Collective Intelligence” (C.F. Chabris, co-PI), 1 January 2010–31 December 2012, National Science Foundation (total direct costs to CFC: \$127,325; no-cost extension to 31 December 2013). The goals of this project are to discover whether groups, like individuals, can be characterized by a general factor of cognitive ability; to develop a reliable and valid measure of this capacity; and to computationally model group interactions in order to understand what attributes of groups—beyond the cognitive ability of their individual members—make them more or less intelligent.
- “Measuring Collective Intelligence in Human-Machine Systems” (T.W. Malone, PI; C.F. Chabris, co-investigator), 2009–2013, Army Research Office Mathematical Sciences Division. The goals of this project are to discover whether groups of humans and machines, like individual humans, can be characterized by a general factor of cognitive ability; to develop a reliable and valid measure of this capacity; and to understand what attributes of such groups—beyond the cognitive ability of their individual members—make them more or less intelligent.
- “Effects of Genetic Variation on Cognition and Decision Making” (C.F. Chabris, PI), 2007–2009; funding received from a variety of sources, totaling approximately \$250,000. The goal of this project is to use whole-genome association and other techniques to discover specific genes and genetic variants (SNPs, CNVs, and repeats) associated with individual differences in cognitive abilities and decision-making tendencies.
- “Psychological Factors in Economic Lifecycle Decisions” (D. Wise, Program Director; D.I. Laibson, PI; C.F. Chabris, Consultant), 2004–2010, P01 from National Institute on Aging. This project investigates how genetic differences may contribute to individual differences in behaviors related to economic decisions and outcomes, including impulsiveness, risk-taking, savings, and investment.
- “Effects of Dopamine System Genotypes on Brain Activity During Cognitive Tasks: An Exploratory Study using Functional Magnetic Resonance Imaging” (C.F. Chabris, PI), 2002–2008, Young Investigator award from National Alliance for Research on Schizophrenia and Depression. The original goal of this project was to measure the effect of different polymorphisms of three dopamine system genes on neural activity during cognitive tasks relevant to schizophrenia, ADHD, addiction, and other brain diseases. The design was revised to focus on whole-genome association with a larger sample of subjects using behavioral measures (see “Effects of Genetic Variation on Cognition and Decision Making” above).
- “Genetic Analysis of Human Cognition and Economic Behavior: Development of a SNP Panel” (D.I. Laibson, PI; C.F. Chabris, co-investigator), 2005–2007, Supplement to P01 from National Institute on Aging. The goal of this project is to develop a panel of single nucleotide polymorphisms (SNPs) to mark haplotypes and functional alleles in genes likely to be associated with human cognitive, behavioral, or neural phenotypes, for use with the Illumina genotyping system in future genetic studies.
- “Cognitive SNP Panel: AGES Implementation” (V. Gudnason, PI; C.F. Chabris, Consultant), 2006–2008, Contract from National Institute on Aging. The goal of this project is to apply a panel of SNPs in genes likely to be associated with cognitive and decision-making processes to data from the AGES



study, which contains DNA from 2300+ Icelandic adults and information on medical, cognitive, economic, and volumetric MRI phenotypes.

- “Neuroimaging of Language and Social Communication in Autism and SLI” (H. Tager-Flusberg, Program Director; G. Harris, PI; C.F. Chabris, Consultant), 2002–2007, P01 from National Institute of Deafness and Communication Disorders. The goal of this project is to characterize abnormal functioning in the neural systems underlying language processing and face processing in two strongly genetic neurodevelopmental disorders.
- “Visual-Social Cognition in Neurodevelopmental Disorders” (N. Hadjikhani, PI; C.F. Chabris, Consultant), 2002–2005, R01 from National Institute of Neurological Disorders and Stroke. The goal of this project is to use neuroimaging and behavioral measurements to better characterize the social-cognitive phenotypes of Williams Syndrome, autism-spectrum disorders, and developmental prosopagnosia
- “Individual Differences in Cognitive Performance Related to Intelligence Analysis” (S.M. Kosslyn, PI; C.F. Chabris, co-investigator), 2001–2004, National Imagery and Mapping Agency. This project investigated the nature of individual differences in the performance of cognitive tasks that are related to intelligence analysis.

## Teaching Experience

At the undergraduate level, I have taught the following courses (all as instructor): Introduction to Psychology, Cognitive Psychology, Cognitive Neuroscience, Judgment and Decision Making, Cognitive Genetics, a capstone honors seminar featuring visiting speakers, a seminar on Communicating Psychological Science, and various seminars on topics in cognitive psychology (once taught in a blended two-campus format). I have also organized and led a multidisciplinary lecture course on logic and rationality, a similar course on games, and supervised a student-initiated course called “Brain/Mind/Soul.” I am interested in also teaching courses on Research Methods, Individual Differences, Behavior Genetics, Behavioral Economics, and Cognitive Science. Below are details of the courses I have taught in the past, as both instructor and teaching assistant.

*Union College, Department of Psychology*

### Instructor

Communicating Psychological Science (seminar, 12 students): Winter 2016

Judgment and Decision Making (lecture, 26–28 students): Fall 2015, Spring 2016

Games (interdisciplinary course, 51 students): Spring 2015

Psychology and Neuroscience: The Real World as Laboratory (joint Union/Skidmore blended course, co-taught w/ Flip Phillips, 15 students): Winter 2015

Intuition, Decision-Making, and Cognitive Illusions (departmental seminar, 12 students): Winter 2009, Fall 2010, Spring 2014

Brain/Mind/Soul (student-organized interdisciplinary seminar, 12 students): Winter 2014

Honors Colloquium (year-long departmental seminar, 15 students; co-taught w/ Joshua Hart): Fall/Winter/Spring 2011–2012, 2012–2013, 2013–2014, 2014–2015, 2015–2016

Introduction to Cognitive Neuroscience (lecture/laboratory, 30 students): Fall 2008, Spring 2009, Fall 2009, Spring 2011, Winter 2012, Fall 2013, Fall 2014, Spring 2015

Introduction to Psychology (lecture, 45 students): Winter 2008, Winter 2009, Fall 2009, Fall 2010, Fall 2012

Logic, Rationality, and Life (interdisciplinary course, 52 students): Spring 2012

Introduction to Cognitive Neuroscience (lecture, 25 students): Fall 2007, Winter 2008,  
Spring 2008, Summer 2010

#### Thesis Advisor

Bailey Rand (Determinants of the reference income effect; w/ Younghwan Song, Department of Economics): 2007–2008  
Lisa McManus (Measuring the intelligence of human-computer teams): 2009–2010  
Alex Katz (Intelligence and probability matching in choice tasks): 2010–2011  
Stephanie Martinez (Socioeconomic status and ERPs in memory tasks): 2010–2011  
Matthew Fontaine (Why correlation is confused with causation): 2011–2012  
Adam Weinberger (Change blindness for abstract information): 2011–2012  
Andrew McKeegan (An experimental test of the effect of showers on creative thinking): 2011–2012  
Stephanie McCarthy (Using video games to measure intelligence): 2012–2013  
Katherine Murray (Using video games to measure mood): 2012–2013  
Jennifer Brodsky (Biases and individual differences in random number generation): 2013–2014  
Chelsea Nyman (Traits that predict successful entrepreneurship): 2013–2014  
Alexandra Sussman (Flashbulb memories of the Osama bin Laden assassination): 2013–2014  
Shannon Hughes (Development of a new test of social intelligence): 2014–2015  
Elisa Huerta (Discriminant validity of a new test of social intelligence): 2014–2015  
Jakub Kaczmarzyk (Effect of music education on elementary school student cognition): 2015–2016  
Adrianna Ratajska (Measuring the social content of shape animations): 2015–2016  
Julie Fishman (Development of alternate forms of a social intelligence test): 2015–2016

#### Sophomore Scholars, Seward Fellows, and Independent Research Project Advisor

Kristen Pechtol (Mood and the Mozart Effect): 2007–2008  
Brandon Bartell (Evolution of humor): 2007–2008  
Adam Weinberger (Inattention blindness in the real world): 2009–2010  
Andrew McKeegan (Music and attention): 2010–2011  
Carly Wender (Expertise and the hot hand fallacy): 2010–2011  
Samieh Atif (Neuroscience-based mitigation of criminal culpability): 2010–2011  
Olga Rabovskaya (Field studies of implicit social priming): Fall 2012  
Adrianna Ratajska (A new test of individual differences in mentalizing ability): 2013–2015  
Ruwimbo Makoni & Marisa van Brakle (Measuring variation in cognitive performance caused by coffee intake): 2014–2015

#### Guest Lecturer

“How Our Intuitions Deceive Us” for One Day University (11 times, 2010–2016)  
“Inattentional Blindness and the Illusion of Attention,” Neuroscience Program, Skidmore College, 9 February 2016  
“Psychology and Inequality” for ISC-205: Inequality, Union College, 4 November 2015  
“Inattentional Blindness” for Cognition (graduate) and Memory & Attention (undergraduate) courses, Rochester Institute of Technology, 16 October 2015  
“The Invisible Gorilla” for Albany Academy (high school), 2 October 2015  
“Influence,” “Collective Intelligence,” “Creativity” (across four guest lectures) for Economics 230: Mind of the Entrepreneur, Union College, Winter 2014  
“How Creativity Happens” for One Day University (9 November 2014)  
“Vladimir Nabokov’s ‘Signs and Symbols’” in English 285: Nabokov, Union College, Spring 2014  
“Neuroscience of Human Intelligence” for New York University, 7 March 2011  
“*The Invisible Gorilla* and Success in College” for Union PALS program, Winter 2011

“Psychology and Neuroscience of Voting” (two lectures) in Union Minerva course, Fall 2008

“Vladimir Nabokov’s ‘Signs and Symbols’” in English 101: Introduction to the Study of Literature: Fiction, Union College, Fall 2008

“Psychological Perspectives” in First-Year Preceptorial, Union College, Fall 2007

Ph.D. Thesis Committee Member (external)

Bruno Sauce (The role of gene-environment interplay on the expression of individual differences in mice’s general intelligence), Department of Psychology, Rutgers University, 2017

Jason Ralph (Dissecting performance on N-back working memory tasks), Department of Cognitive Science, Rensselaer Polytechnic Institute, 2013–2014 [degree awarded]

Hannes Lang (The role of Theory of Mind in economic games), Department of Economics, Rensselaer Polytechnic Institute, 2013–2014 [degree awarded]

*Harvard University, Department of Psychology*

Instructor

Cognitive Genetics (lecture/seminar course, w/ guest instructor Ting Wu [Harvard Medical School, Department of Genetics], 10 students): Spring 2006

Cognitive Psychology (lecture/laboratory course, 9 students, 1 teaching assistant): Fall 2005

Cognitive Psychology (lecture course, 74 students, 4 teaching assistants): Fall 2002

Cognitive Neuroscience (tutorial course, 5–10 students): Fall 1996, Spring 1997

General Psychology (tutorial course, 5–10 students): Fall 1994, Fall 1995

Teaching Assistant and Guest Lecturer

Laboratory in Human Cognition: Spring 1998, Spring 1999

Cognitive Psychology: Spring 1995, Fall 1996, Fall 1998 (Head Teaching Assistant)

Cognitive Science: Spring 1991

Undergraduate Thesis Advisor

Carrie L. Morris (Reward system and intertemporal choice in obesity): 2004–2005

Undergraduate Thesis Reader/Co-advisor

Leigh Sepeta (Facial expression processing in autism): 2001–2002

Susan Curry (Change detection and expertise): 2000–2001

Member of the Committee on Undergraduate Education: Spring 1995

Graduate Writing Fellow: Fall 1995

## **Other Professional Activities**

Invited colloquia, seminars, and academic talks (not listed above):

Network Science Institute, Northeastern University (Boston, MA): November 2017

University of Pennsylvania, Department of Psychology (Philadelphia, PA): October 2017

Geisinger Autism and Developmental Medicine Institute (Lewisburg, PA): October 2017

Pennsylvania State University, Arts and Design Research Incubator (University Park, PA): October 2017

Bucknell University, Department of Psychology (Lewisburg, PA): September 2017

Swedish Collegium for Advanced Study (Uppsala, Sweden): April 2017

Institute for Advanced Study in Toulouse (Toulouse, France): March 2017

Atlanticare, Department of Psychiatry (Atlantic City, NJ): February 2017

Museum of Old and New Art (Hobart, Tasmania, Australia): November 2016

Institute for Advanced Study in Toulouse (Toulouse, France): June 2016  
 Albany Medical College, Medicine Grand Rounds (Albany, NY): May 2016  
 State University of New York at Albany, School of Education, Division of Educational Psychology  
 and Methodology (Albany, NY): May 2016  
 Williams College, Department of Computer Science (Williamstown, MA): April 2016  
 Pennsylvania State University, Department of Psychology (University Park, PA): April 2016  
 Geisinger Health System (Danville, PA): March 2016  
 Skidmore College, Department of Psychology (Saratoga Springs, NY): December 2015  
 Rochester Institute of Technology (Rochester, NY): October 2015  
 Georgetown University, Department of Psychology (Washington, DC): September 2015  
 University of Minnesota, Department of Psychology PIB group (Minneapolis, MN): April 2015  
 SUNY Institute of Technology, Department of Psychology (Utica, NY): April 2015  
 Carnegie Mellon University, Department of Social and Decision Sciences (Pittsburgh, PA):  
 March 2015  
 ETH Zurich, Brusoni Laboratory (Zurich, Switzerland): October 2014  
 University of Pennsylvania, PLEEP Laboratory (Philadelphia, PA): September 2014  
 Université Paris Descartes, Laboratory for the Psychology of Child Development and Education  
 (Paris, France): June 2014  
 Learning and the Brain Conference, Columbia University (New York, NY): May 2014  
 Cornell University Behavioral Economics and Decision Research Seminar (Ithaca, NY):  
 November 2013  
 Institute for Advanced Study in Toulouse (Toulouse, France): July 2013  
 Union College, Department of Computer Science (Schenectady, NY): January 2013  
 Harvard University BLISS Program (Cambridge, MA): July 2012  
 Rensselaer Polytechnic Institute, Department of Cognitive Science (Troy, NY): May 2012  
 Siena College, Department of Psychology (Albany, NY): April 2012  
 University of Illinois, Department of Psychology (Champaign, IL): February 2012  
 New England Association of Schools and Colleges (Boston, MA): December 2011  
 TEDx Albany (Albany, NY): November 2011  
 TEDx PennQuarter (Washington, DC): October 2011  
 Harvard Kennedy School of Government (Cambridge, MA): October 2011  
 Albany Medical College, Medicine Grand Rounds (Albany, NY): October 2011  
 Toulouse School of Economics (Toulouse, France): September 2011  
 Harvard University BLISS Program (Cambridge, MA): July 2011  
 Albany Medical College Medical Decision Making Group (Albany, NY): June 2011  
 Columbia Business School (New York, NY): April 2011  
 Skidmore College, Neuroscience Program (Saratoga Springs, NY): March 2011  
 New York University, Department of Psychology (New York, NY): March 2011  
 Harvard Kennedy School of Government (Cambridge, MA): February 2011  
 Union College, Department of Economics (Schenectady, NY): January 2011  
 Yale School of Management (New Haven, CT): October 2010  
 Massachusetts Institute of Technology, Knight Journalism Program (Cambridge, MA): October 2010  
 Savannah College of Art and Design (Savannah, GA): April 2010  
 Skidmore College, Department of Psychology (Saratoga Springs, NY): March 2008  
 State University of New York at Albany, Department of Psychology (Albany, NY): October 2007  
 Albany Medical College, Neurosciences Institute (Albany, NY): September 2007  
 Union College, Department of Psychology (Schenectady, NY): January 2007  
 Case Western Reserve University, Department of Cognitive Science (Cleveland, OH): January 2007

Harvard University, Department of Psychology (Cambridge, MA): November 2006  
Georgetown University, Center for Functional and Molecular Imaging (Washington, DC):  
August 2003  
Williams College, Department of Psychology (Williamstown, MA): April 2003  
Harvard University, Department of Psychology (Cambridge, MA): October 2002  
Yale University, Department of Psychology (New Haven, CT): February 2002  
Massachusetts Institute of Technology, Department of Brain and Cognitive Sciences (Cambridge,  
MA): February 2002  
Oxford University, Department of Experimental Psychology (Oxford, UK): March 1999  
Dartmouth College, Department of Psychology (Hanover, NH): January 1999 [two talks]  
Rutgers University, Department of Psychology (New Brunswick, NJ): January 1999  
Harvard University, Department of Psychology (Cambridge, MA): April 1995

Selected invited talks to business/non-academic groups (not listed above):

Excellence in Investing (“Sohn”) Conference (San Francisco, CA): October 2015  
Credit Suisse Thought Leader Conference (Tarrytown, NY): June 2015  
NMS Management CIO Spring Roundtable (Washington, DC): June 2015  
Psychological Association of Northeast New York (Albany, NY): March 2015  
Schenectady Public Library (Schenectady, NY): September 2014  
UnSummit for Healthcare Barcoding (New Orleans, LA): September 2014  
SEI Investments Company (Phoenix, AZ): March 2013  
Mainline Private Wealth (West Palm Beach, FL): February 2013  
Mainline Private Wealth (Philadelphia, PA): November 2012  
NeuroLeadership Summit (New York, NY): October 2012  
Central Intelligence Agency, Senior Analytic Service (McLean, VA): June 2012  
Product Liability Advisory Council (Asheville, NC): April 2012  
National Association of State Boating Law Administrators (Milwaukee, WI): September 2011  
Procter & Gamble Behavioral Science Research Group (Cincinnati, OH): June 2011  
Albany Colonie Chamber of Commerce (Loudonville, NY): May 2011  
New York Hall of Science (New York, NY): January 2011  
SAC Capital (New York, NY): December 2010  
PopTech (Camden, ME): October 2010  
Excellence in Investing (“Sohn”) Conference (San Francisco, CA): October 2010  
Google (Mountain View, CA): October 2010  
U.S. Navy Strategic Studies Group (Brooklyn, NY): September 2010  
Microsoft (Redmond, WA): June 2010  
Society of Quantitative Analysts, at Goldman Sachs (New York, NY): May 2010

Invited conference talks (not listed above):

Ethics and Privacy in the Era of Big Data (session chair and discussion moderator), Technology in  
Psychiatry Summit, Harvard Medical School, Boston, MA: 6–7 November 2017  
Advances in Collecting and Utilizing Biological Indicators and Genetic Information in Social Science  
Surveys, National Academy of Sciences, Washington, DC: June 2006 (w/ D.I. Laibson)  
Cognition in Space (NASA workshop), Chandler, AZ: October 2004  
DCI Postdoctoral Research Fellowship Colloquium, Tysons Corner, VA: March–April, 2003  
DCI Postdoctoral Research Fellowship Colloquium, Tysons Corner, VA: April–May, 2002  
Schloessman Seminar on The Expert in Modern Societies: Historical and Contemporary Perspectives  
(Max Planck Society), Berlin: November 1998  
Conference on Chess in Education, New York: January 1996

Poster presentations at conferences (not listed above):

Annual Convention of the Association for Psychological Science, New York, May 2006 [2 posters]  
Annual Meeting of the Society for Neuroscience, San Diego, November 2001  
International Meeting for Autism Research, San Diego, November 2001  
North American Association for the Study of Obesity, Long Beach, CA, October–November 2000  
Vision Research Conference on Preattentive and Attentive Mechanisms in Vision (Perceptual Organization and Dysfunction), Fort Lauderdale, FL, May 1999  
Workshop on Object Perception and Memory, Dallas, TX, November 1998  
Annual Meeting of the Cognitive Neuroscience Society, San Francisco, April 1994  
European Workshop on Cognitive Neuropsychology, Bressanone, Italy, January 1994

Workshop participation (invited):

IARPA CREATE Kickoff Meeting, McLean, VA, February 2017  
DARPA Information Science and Technology Panel, New York, NY, January 2017 (plus preliminary online meetings, Fall 2016): “Technologies for Scalable, Self-Organizing Communities”  
Attention Needs More Attention, Academy of Management, Orlando, FL, August 2013  
Neuroscience in Management Research, Academy of Management, Orlando, FL, August 2013  
Advancing the Neuroscience of ADHD, Boston, MA, February 2004  
ADHD: Genetics, Cognition, and Imaging, Boston, MA, February 2004  
Developing Alternative Analysis for Transnational Issues, RAND, Arlington, VA, April 2003  
ADHD: Genetics, Cognition, and Imaging, Cambridge, MA, February 2003  
Behavior, Genetics, and Aging Meeting, NIA, Bethesda, MD, March 2002  
International Meeting of the ADHD Molecular Genetics Network, Boston, MA, June 2001

Senior Editorial Board member for: *Topics in Cognitive Science* (2015–)

Editorial Board member for: *Advances in Methods and Practices in Psychological Science* (2017–)

Journal guest editor for: *Proceedings of the National Academy of Sciences* (multiple submissions)

Journal manuscript reviewer for:

*Applied Cognitive Psychology; Behavior Genetics; Behavior Research Methods; Brain and Cognition; Cognition; Cognitive Science, Current Directions in Psychological Science; Emotion; Human Factors; IEEE Computer; Intelligence; International Journal of Computer Mathematics; Journal of Biosocial Science; Journal of Cognitive Neuroscience; Journal of Experimental Child Psychology; Journal of Economic Behavior and Organization; Journal of Experimental Psychology: Applied; Journal of Experimental Psychology: General; Journal of Experimental Psychology: Human Perception and Performance; Learning and Individual Differences; Music Perception; Neuron; Neuropsychologia; Perspectives on Psychological Science; Philosophical Transactions of the Royal Society; PLoS One; Proceedings of the National Academy of Sciences; Psychonomic Bulletin and Review; Psychological Science; Quarterly Journal of Economics; Visual Cognition*

Book manuscript/proposal reviewer for: Blackwell Publishers

Conference abstract reviewer for: International Society for Intelligence Research (multiple)

Conference program committee member:

- Collective Intelligence 2014, MIT, Cambridge, MA
- Collective Intelligence 2016, NYU, New York

Science advisory board member for:

- *Innocence, Guilt, and Science* project by New York Hall of Science and The Innocence Project
- “Making Science Less WEIRD” Initiative

Grant proposal reviewer for:

- National Institutes of Health (Basic Research on Decision Making: Cognitive, Affective, and Developmental Perspectives Study Review Group, 2012)
- National Science Foundation (special reviewer; panel member, multiple panels)
- Smith Richardson Foundation
- International Foundation for Music Research
- National Center for Responsible Gaming

Affiliate/Member of:

- Association for Psychological Science
- International Computer Games Association
- United States Chess Federation (competitive rank: National Master, achieved 1986)

## **Selected Media Coverage and Textbook Citations of Research**

*Television and radio:* NBC Today Show, Fox Business Network, NPR Science Friday, NPR Morning Edition, NPR All Things Considered, NPR Talk of the Nation, CBC/PRI As It Happens, CNN, Anderson Cooper 360, Headline News, NBC Nightly News, CBS Evening News, ABC News, CBS Early Show, Dateline NBC, Discovery Channel documentary “The Invisible Gorilla,” Fox Family Channel series “Exploring the unknown,” Fox News, BBC, CBS drama “CSI” (episode: “And Then There Were None”), TNT drama “Perception” (episode: “Blindness”), USA drama “Fairly Legal” (episode: “What They Seem”), CBS drama “Wisdom of the Crowd” (episode: “User Bias”), ABC 20/20, ABC documentary “The brain game: What’s sex got to do with it?”, European documentary “Testing Mozart,” Showtime series “Penn and Teller: Bullshit!”, German Public Radio, Swedish TV program Hjärnstorm (“Brainstorm”) with Henrik Fexeus, ABC Radio National (Australia) program “All in the Mind,” Russian TV, Japanese Public Television (NHK), Seoul Broadcasting System, BBC Horizon (episode: “How You Really Make Decisions,” 2/24/14), National Geographic Channel series “Brain Games” (multiple episodes), The Michael Smerconish Program (SiriusXM), The Gil Gross Show (KKSF), The Current (CBC)

*Newspapers and wire services:* New York Times, Washington Post, USA Today, Wall Street Journal, Boston Globe, Boston Globe Magazine, Boston Herald, Chicago Tribune, New York Post, Houston Chronicle, Pittsburgh Post-Gazette, Kansas City Star, San Jose Mercury News, Worcester Telegram and Gazette, St. Louis Post-Dispatch, Albany Times-Union, Christian Science Monitor, Dave Barry (syndicated column), AP, UPI, Reuters, Harvard University Gazette, Bloomberg News

*Magazines and journals:* The New Yorker, Newsweek, The Economist, Nature, Science, New England Journal of Medicine, New Scientist, Scientific American (Shermer column, Ramachandran column), Scientific American Mind, The Atlantic Monthly, Trends in Cognitive Sciences, APA Monitor, mental\_floss, The Lancet, American Motorcyclist, Skunk Dots, Illinois Snowmobiler, LiveMusic, Discover, Men’s Fitness, Men’s Health, eWeek, Wired, Popular Science, Science News, Chronicle of Higher Education, Management Today, Harvard Business Review, Inc. Magazine, Kinfolk Magazine

*International print media:* Toronto Star, National Post (Toronto), Financial Times (London) Independent (London), Daily Telegraph (London), Times (London), Sunday Times (London), Epoca (Brazil), L’Hebdo (Switzerland), Mainichi Shimbun (Japan), Yediot Achronot (Israel), International Herald Tribune (Paris), Quest (Netherlands), Il Giornale (Italy), I Kathemerini (Greece), Agencia Telam (Argentina), El Cronista Comercial (Argentina), Clarin (Argentina), Chosun Ilbo (Korea), BABYLON (Italy), Cerveau & Psycho (France), Le Cercle Psy (France), Dagens Nyheter (Sweden)

*Internet coverage:* TheAtlantic.com, CondeNast Portfolio.com, MindHacks, Forbes.com, MSNBC.com, Yahoo News, ABCNews.com, Mediapart.fr (France), LeMonde.fr (France), ynet (Israel), Business Insider, Pacific Standard, Minds for Business, You Are Not So Smart podcast, Psychology Podcast, Mental Game podcast

*Museum exhibits* (partial list): Exploratorium, San Francisco; Musée de L'Homme, Paris; Sensation Science Center, Dundee, Scotland

*Theater:* "Did You See the Gorilla?" by Alan Brody (short play, performed in Boston, May 2008)

*Art:* "The Invisible Gorilla Test" and other works in the exhibition "Quaint Abstractions" by Butt Johnson (CRG Gallery, New York, 2016)

*Books* (partial list): *Encyclopedia of Cognitive Science* (Nature Publishing Group, 2003), *Did You Spot the Gorilla?* by Richard Wiseman (Arrow Books, 2004), *Mind Hacks* by Tom Stafford and Matt Webb (O'Reilly, 2004), *The Art of the Start* by Guy Kawasaki (Portfolio, 2004), *Deep Survival: Who Lives, Who Dies, and Why* by Laurence Gonzales (Norton, 2004), *Judgment in Managerial Decision Making* by Max Bazerman (Wiley, 2005), *The Owner's Manual for the Brain* by Pierce J. Howard (Bard Press, 2006), *Se gorillaen! Etikk for arbeidslivet* by Øyvind Kvalnes (Universitetsforlaget, Norway, 2006), *Empiricism and Experience* by Anil Gupta (Oxford University Press, 2006), *The Psychology and Law of Criminal Justice Processes* by Roger J.R. Levesque (Nova Publishers, 2006), *Elephants on Acid and Other Bizarre Experiments* by Alex Boese (Harcourt, 2007), *The Genius Engine* by Kathleen Stein (Wiley, 2007), *Your Money and Your Brain: How the New Science of Neuroeconomics Can Help Make You Rich* by Jason Zweig (Simon & Schuster, 2007), *Welcome to Your Brain* by Sandra Aamodt and Sam Wang (Bloomsbury, 2008), *Unleash Your Dreams* by Michael E. Silverman (Wiley, 2008), *The Mind of the Market* by Michael Shermer (Times Books, 2008), *Traffic* by Tom Vanderbilt (Knopf, 2008), *Why We Make Mistakes* by Joseph T. Hallinan (Broadway Books, 2009), *Rapt: Attention and the Focused Life* by Winifred Gallagher (Penguin Press, 2009), *The Greatest Show on Earth: The Evidence for Evolution* by Richard Dawkins (Free Press, 2009), *The Survivors Club: The Secrets and Science that Could Save Your Life* by Ben Sherwood (Grand Central, 2009), *The Smart Swarm: How Understanding Flocks, Schools, and Colonies Can Make Us Better at Communicating, Decision Making, and Getting Things Done* by Peter Miller (Avery, 2010), *Thinking, Fast and Slow* by Daniel Kahneman (FSG, 2011), *The Better Angels of Our Nature: Why Violence Has Declined* by Steven Pinker (Viking, 2011), *Sensation and Perception, 3rd ed.* by Jeremy Wolfe et al. (Sinauer, 2012), *Simpler: The Future of Government* by Cass Sunstein (Simon & Schuster, 2013), *Visible Learning and the Science of How We Learn* by John Hattie and Gregory Yates (Routledge, 2013), *Ungifted: Intelligence Redefined* by Scott Barry Kaufman (Basic Books, 2013), *How Not To Be Wrong: The Power of Mathematical Thinking* by Jordan Ellenberg (Penguin, 2014), *The Power of Noticing: What The Best Leaders See* by Max Bazerman (Simon & Schuster, 2014), *Wiser: Getting Beyond Groupthink to Make Groups Smarter* by Cass Sunstein and Reid Hastie (Harvard Business Review Press, 2015); *Smarter Faster Better* by Charles Duhigg (Random House, 2016); *How to Have a Good Day* by Caroline Webb (Crown Business, 2016)