

CURRICULUM VITAE*

RALPH HERTWIG

Last update: March 6th, 2024

*Focused version: For a complete version
please contact sekhertwig@mpib-berlin.mpg.de

Office

Max Planck Institute for Human Development
Center for Adaptive Rationality
Lentzeallee 94
14195 Berlin, Germany
+49-30-82406-202
sekhertwig@mpib-berlin.mpg.de

Academic Qualifications

- 2003 Habilitation (Free University Berlin). Unbinding Bounded Rationality: Theoretical, Empirical, and Methodological Investigations; Venia legendi for psychology
- 1995 Ph.D. (Dr. rer. soc.), Summa Cum Laude, Cognitive Psychology, University of Konstanz (Germany)
Dissertation title: Why Dr. Gould's homunculus doesn't think like Dr. Gould: The "conjunction fallacy" reconsidered. Konstanz: Hartung-Gorre Verlag
- 1991 M.A. (Diplom-Psychologe), University of Konstanz (Germany)

Academic Experience and Positions

- 2019–present Faculty member of the Max Planck School of Cognition
- 2016–present Honorary Professor, Free University of Berlin (Germany)
- 2016–present Faculty member of the International Max Planck Research School Computational Psychiatry and Ageing Research
- 2013–present Faculty member of the International Max Planck Research School on the Life Course
- 2013–present Honorary Professor, Humboldt University of Berlin (Germany)
- 2012–present Director, Max Planck Institute for Human Development, Berlin (Germany)
- 2011–2012 Dean, Center for Adaptive Rationality, Department of Psychology, University of Basel (Switzerland)
- 2008–2011 Dean of research, Department of Psychology, University of Basel (Switzerland)
- 2008 Visiting professor at the Center for the Study of Rationality, Hebrew University of Jerusalem and Columbia Business School, New York (USA)
- 2005–2012 Full Professor for Cognitive and Decision Sciences at the Department of Psychology, University of Basel (Switzerland)
- 2003–2005 Assistant Professor for Applied Cognitive Science at the Department of Psychology, University of Basel (Switzerland)

2003	Research Scientist, Center for Adaptive Behavior and Cognition, Max Planck Institute for Human Development, Berlin (Germany)
2000–2002	Research Fellow, Department of Psychology, Columbia University, New York (USA)
1997–2000	Research Scientist, Center for Adaptive Behavior and Cognition, Max Planck Institute for Human Development, Berlin (Germany)
1996–1997	Research Scientist, Center for Adaptive Behavior and Cognition, Max Planck Institute for Psychological Research, Munich (Germany)
1995–1996	Postdoctoral Fellow, Center for Adaptive Behavior and Cognition, Max Planck Institute for Psychological Research, Munich (Germany)
1995	Research Associate, National Science Foundation Project (Principal Investigator: Dr. Gerd Gigerenzer), University of Chicago, Illinois (USA)
1993–1994	Research Scholar, Department of Psychology, University of Chicago, Illinois (USA)
1991–1992	Predoctoral Student, Department of Psychology, University of Salzburg (Austria)
1989–1990	Research Assistant, Department of Psychology, University of Konstanz (Germany)
1988–1989	Research Intern, Central Institute of Mental Health, Mannheim (Germany)

Research Grants

2021–2025	<i>Reclaiming individual autonomy and democratic discourse online: How to rebalance human and algorithmic decision making</i> (with Tina Eliassi-Rad, Stefan Herzog, Stephan Lewandowsky, Awais Rahshid, VolkswagenStiftung, €1,440,300)
2020–2023	<i>Excellence cluster grant, sub-project "The collective dynamics underlying personal and social information integration"</i> (with Ralf Kurvers, €313,478)
2020–2023	<i>Excellence cluster grant, sub-project "Ecologically rational strategy selection"</i> (with Thorsten Pachur, €294,978)
2020-2022	<i>Summer Institute on Bounded Rationality</i> (Joachim Herz Foundation, €217,200)
2019–2025	<i>Excellence cluster grant "Science of Intelligence"</i> (Principal Investigator, €40,000,000)
2019–2022	<i>WEXICOM - Weather Warnings: from EXtreme event Information to COMmunication and action</i> (in collaboration with DWD - German Weather Service, BMBF - Federal Ministry of Education and Research, €331,359)
2019–2020	<i>Controlling the Jekyll and Hyde of Artificial-Intelligence Assisted Information Architectures: Accepting Customization while Resisting micro-targeted Manipulation</i> (with Anastasia Kozyreva, Stephan Lewandowsky, & Philipp Lorenz-Spreen, Planning Grant, VolkswagenStiftung, €148,000)
2017–2022	<i>Origins and determinants of malleable risk preferences</i> (in collaboration with Gert Wagner, Max Planck Society, €370.000)
2017–2019	<i>Summer Institute on Bounded Rationality</i> (Joachim Herz Foundation, €198,000)

- 2015–2017 *WEXICOM - Weather Warnings: from EXtreme event Information to COMmunication and action* (in collaboration with DWD - German Weather Service, BMBF - Federal Ministry of Education and Research, €214,158)
- 2015–2018 *Wie effizient sind Heuristiken unter unterschiedlichen Graden von Unsicherheit?* (in collaboration with Thorsten Pachur, German Science Foundation, €184,700)
- 2014–2016 *Summer Institute on Bounded Rationality* (Joachim Herz Foundation, €198,000)
- 2012–2015 *Algebraic models and models of heuristics of risky choice: Irreconcilable foes or useful allies?* (in collaboration with Thorsten Pachur, German Science Foundation, €241,000)
- 2012–2015 *Biological foundations of risk taking* (in collaboration with Jörg Rieskamp, Andreas Papassotiropoulos, and Dominique de Quervain, Swiss National Science Foundation, \$1,760,000)
- 2010–2013 *Dialectical bootstrapping: A new paradigm to improve individual judgment* (in collaboration with Stefan Herzog, Swiss National Foundation, \$236,000)
- 2010–2013 *Search in space and mind: Dynamics and structure in recall from long-term memory search* (in collaboration with Thomas Hills, Swiss National Science Foundation, \$177,000)
- 2010–2013 *The description-experience gap: Its robustness, its causes and its consequences* (Swiss National Science Foundation, \$196,000)
- 2009–2012 *How affect impacts risky choice: Phenomena, mechanisms, and practical implications* (in collaboration with Thorsten Pachur, Swiss National Science Foundation, \$151,000)
- 2007–2009 *Decisions from experience: Models, tests and practical implications* (Swiss National Science Foundation, \$174,000)
- 2007 *Simple heuristics in social contexts* (Workshop; Swiss National Science Foundation, \$9,000)
- 2005–2009 *The impact of grandparental investment on the health and well-being of children and grandchildren* (Individual project within the NCCR Swiss Etiological Study of Adjustment and Mental Health, Swiss National Science Foundation, \$290,000, in collaboration with Michaela Wänke, University of Basel)
- 2005–2007 *The cognitive underpinnings of decisions from experience* (Swiss National Science Foundation, \$140,000)
- 2005–2007 *The cognitive foundations of dietary decision-making: The role of nutritional information and naïve theories in nutrition* (Jacobs Foundation, \$225,000, in collaboration with Michaela Wänke, University of Basel)
- 2004–2006 *Heuristics and food choice* (Nestlé, \$100,000; in collaboration with Peter M. Todd, Max Planck Institute for Human Development, Berlin)

Fellowships and Awards

- 2022 Elected member of the Berlin-Brandenburg Academy of Sciences and Humanities
- 2021 Elected member of the National Academy of Science and Engineering acadtech

- 2017 Elsevier Atlas Award 2017 for "Caregiving within and beyond the family is associated with lower mortality for the caregiver: A prospective study" (with Sonja Hilbrand, David A. Coall and Denis Gerstorff)
- 2017 Gottfried Wilhelm Leibniz Prize (€2.5 Millions)
- 2012 Elected member of the Wilhelm-Wundt Society
- 2011–present Fellow of the Association for Psychological Science (APS)
- 2010 Elected member of the German Academy of Sciences Leopoldina
- 2008 Teacher of the Year Award of the Department of Psychology, University of Basel
- 2007 Teacher of the Year Award of the Department of Psychology, University of Basel
- 2006 Charlotte and Karl Bühler Early Career Award, German Society for Psychology
- 2000–2002 Fellowship, German Research Foundation (for USA)
- 1996 Heinz Heckhausen Young Scientist Prize, German Society for Psychology
- 1993–1994 Graduate Fellowship, Friedrich Ebert Foundation
- 1987–1991 Undergraduate Fellowship, Friedrich Ebert Foundation

Co-Director Summer Institute on Bounded Rationality (with Gerd Gigerenzer)

- 2023 21st Summer Institute on Science of Boosting: How to Empower Citizens
- 2022 20th Summer Institute on Bounded Rationality: Rethinking Behavioral Economics: Search & Learning in an Uncertain World
- 2021 19th Summer Institute on Bounded Rationality: Rethinking Behavioral Economics
- 2019 18th Summer Institute on Bounded Rationality: Bounded Rationality in a Digital World
- 2018 17th Summer Institute on Bounded Rationality: Strategies x Environments
- 2017 16th Summer Institute on Bounded Rationality: Predictions Under Uncertainty
- 2016 15th Summer Institute on Bounded Rationality: Better Decisions in a Complex World
- 2015 14th Summer Institute on Bounded Rationality: Homo Heuristicus in the Economy
- 2014 13th Summer Institute on Bounded Rationality: Simple Solutions for A Complex World
- 2013 12th Summer Institute on Bounded Rationality: Decision Making in a Social World

Books

- Hertwig, R., & Engel, C. (Eds.). (2020). *Deliberate ignorance: Choosing not to know*. MIT Press.
- Hertwig, R., Pleskac, T. J., Pachur, T., & The Center for Adaptive Rationality (2019). *Taming uncertainty*. MIT Press.

- Hertwig, R., Hoffrage, U., & the ABC Research Group (2013). *Simple heuristics in a social world*. Oxford University Press.
- Gigerenzer, G., Hertwig, R., & Pachur, T. (Eds.). (2011). *Heuristics: The foundations of adaptive behavior*. Oxford University Press.
<https://doi.org/10.1093/acprof:oso/9780199744282.001.0001>

Journal Articles (as of 2010)

2024

- Geers, M., Swire-Thompson, B., Lorenz-Spreen, P., Herzog, S. M., Kozyreva, A., & Hertwig, R. (2024). The online misinformation engagement framework. *Current Opinion in Psychology*, 55, Article 101739.
<https://doi.org/10.1016/j.copsyc.2023.101739>
- Lejarraga, T., Schnitzlein, D. D., Dahmann, S. C., & Hertwig, R. (2024). Birth-order effects on risk taking are limited to the family environment. *Annals of the New York Academy of Sciences*, 1531(1), 60–68. <https://doi.org/10.1111/nyas.15085>
- Li, Y., Breithaupt, F., Hills, T., Lin, Z., Chen, Y., Siew, C. S. W., & Hertwig, R. (2024). How cognitive selection affects language change. *Proceedings of the National Academy of Sciences of the United States of America*, 121(1), Article e2220898120. <https://doi.org/10.1073/pnas.2220898120>
- Ruggeri, K., Vanderslott, S., Yamada, Y., Argyris, Y. A., Večkalov, B., Boggio, P. S., Fallah, M. P., Stock, F., & Hertwig, R. (2024). Behavioural interventions to reduce vaccine hesitancy driven by misinformation on social media. *BMJ*, 384, Article e076542. <https://doi.org/10.1136/bmj-2023-076542>
- Wegwarth, O., Hertwig, R., Giese, H., & Fineberg, H. V. (2024). The impact of nontransparent health communication during the COVID-19 pandemic on vaccine-hesitant people's perception of vaccines. *Frontiers in Public Health*, 11, Article 1256829. <https://doi.org/10.3389/fpubh.2023.1256829>
- Willems, Y. E., deSteiguer, A., Tanksley, P. T., Vinnik, L., Fraemke, D., Okbay, A., Richter, D., Wagner, G. G., Hertwig, R., Koellinger, P., Tucker-Drob, E. M., Harden, K. P., & Raffington, L. (2024). Self-control is associated with health-relevant disparities in buccal DNA-methylation measures of biological aging in older adults. *Clinical Epigenetics*, 16, Article 22. <https://doi.org/10.1186/s13148-024-01637-7>

2023

- Appelhoff, S., Hertwig, R., & Spitzer, B. (2023). Control over sampling boosts numerical evidence processing in human decisions from experience. *Cerebral Cortex*, 33(1), 207–221. <https://doi.org/10.1093/cercor/bhac062>
- Ciranka, S., & Hertwig, R. (2023). Environmental statistics and experience shape risk-taking across adolescence. *Trends in Cognitive Sciences*, 27(12), 1123–1134. <https://doi.org/10.1016/j.tics.2023.08.020>
- Dallacker, M., Knobl, V., Hertwig, R., & Mata, J. (2023). Effect of longer family meals on children's fruit and vegetable intake: A randomized clinical trial. *JAMA Network Open*, 6(4), Article e236331.
<https://doi.org/10.1001/jamanetworkopen.2023.6331>

- Haux, L. M., Engelmann, J. M., Arslan, R. C., Hertwig, R., & Herrmann, E. (2023). Chimpanzee and human risk preferences show key similarities. *Psychological Science*. Advance online publication. <https://doi.org/10.1177/09567976221140326>
- Hertwig, R. (2023). The citizen choice architect in an ultra-processed world. *Behavioural Public Policy*, 7(4), 906–913. <https://doi.org/10.1017/bpp.2023.9>
- Hertwig, R. (2023). The real cause of our complicity: The preoccupation with human weakness. *Behavioral and Brain Sciences*, 46, Article e161. <https://doi.org/10.1017/S0140525X23000936>.
- Hertwig, R., Herzog, S. M., & Kozyreva, A. (2023). Blinding to circumvent human biases: Deliberate ignorance in humans, institutions, and machines. *Perspectives on Psychological Science*. Advance online publication. <https://doi.org/10.1177/17456916231188052>
- Koellinger, P. D., Okbay, A., Kweon, H., Schweinert, A., Karlsson Linnér, R., Goebel, J., Richter, D., Reiber, L., Zweck, B. M., Belsky, D. W., Biroli, P., Mata, R., Tucker-Drob, E. M., Harden, K. P., Wagner, G., & Hertwig, R. (2023). Cohort profile: Genetic data in the German Socio-Economic Panel Innovation Sample (SOEP-G). *PLoS ONE*, 18(11), Article e0294896. <https://doi.org/10.1371/journal.pone.0294896>
- Kozyreva, A., Herzog, S. M., Lewandowsky, S., Hertwig, R., Lorenz-Spreen, P., Leiser, M., & Reifler, J. (2023). Resolving content moderation dilemmas between free speech and harmful misinformation. *Proceedings of the National Academy of Sciences of the United States of America*, 120(7), Article e2210666120. <https://doi.org/10.1073/pnas.2210666120>
- Kozyreva, A., Wineburg, S., Lewandowsky, S., & Hertwig, R. (2023). Critical ignoring as a core competence for digital citizens. *Current Directions in Psychological Science*, 32(1), 81–88. <https://doi.org/10.1177/09637214221121570>
- Lorenz-Spreen, P., Oswald, L., Lewandowsky, S., & Hertwig, R. (2023). A systematic review of worldwide causal and correlational evidence on digital media and democracy. *Nature Human Behaviour*, 7, 74–101. <https://doi.org/10.1038/s41562-022-01460-1>
- Offer, K., Rahwan, Z., & Hertwig, R. (2023). Counteracting deliberate ignorance of academic bullying and harassment. *Communications Psychology*, 1, Article 38. <https://doi.org/10.1038/s44271-023-00044-7>
- Olschewski, S., Rieskamp, J., & Hertwig, R. (2023). The link between cognitive abilities and risk preference depends on measurement. *Scientific Reports*, 13, Article 21151. <https://doi.org/10.1038/s41598-023-47844-9>
- Pedersen, M. K., Díaz, C. M. C., Wang, Q. J., Alba-Marrugo, M. A., Amidi, A., Basaiawmoit, R. V., Bergenholtz, C., Christiansen, M. H., Gajdacz, M., Hertwig, R., Ishkhanyan, B., Klyver, K., Ladegaard, N., Mathiasen, K., Parsons, C., Rafner, J., Villadsen, A. R., Wallentin, M., Zana, B., & Sherson, J. F. (2023). Measuring cognitive abilities in the wild: Validating a population-scale game-based cognitive assessment. *Cognitive Science*, 47(6), Article e13308. <https://doi.org/10.1111/cogs.13308>.
- Spiliopoulos, L., & Hertwig, R. (2023). Variance, skewness and multiple outcomes in described and experienced prospects: Can one descriptive model capture it all? *Journal of Experimental Psychology: General*, 152(4), 1188–1222. <https://doi.org/10.1037/xge0001323>
- Wegwarth, O., Mansmann, U., Zepp, F., Lühmann, D., Hertwig, R., & Scherer, M. (2023). Vaccination intention following receipt of vaccine information through

interactive simulation vs text among COVID-19 vaccine-hesitant adults during the Omicron wave in Germany. *JAMA Network Open*, 6(2), Article e2256208.

<https://doi.org/10.1001/jamanetworkopen.2022.56208>

Woike, J. K., Hertwig, R., & Gigerenzer, G. (2023). Heterogeneity of rules in Bayesian reasoning: A toolbox analysis. *Cognitive Psychology*, 143, Article 101564. <https://doi.org/10.1016/j.cogpsych.2023.101564>

2022

Appelhoff, S., Hertwig, R., & Spitzer, B. (2022). EEG-representational geometries and psychometric distortions in approximate numerical judgment. *PLoS Computational Biology*, 18(12), Article e1010747.

<https://doi.org/10.1371/journal.pcbi.1010747>

Betsch, C., Schmid, P., Verger, P., Lewandowsky, S., Soveri, A., Hertwig, R., Fasce, A., Holford, D., De Raeve, P., Gagneur, A., Vuolanto, P., Correia, T., Tavoschi, L., Declich, S., Marceca, M., Linos, A., Karnaki, P., Karlsson, L., & Garrison, A. (2022). A call for immediate action to increase COVID-19 vaccination uptake to prepare for the third pandemic winter. *Nature Communications*, 13, Article 7511.

<https://doi.org/10.1038/s41467-022-34995-y>

Fleischhut, N., Artinger, F. M., Olschewski, S., & Hertwig, R. (2022). Not all uncertainty is treated equally: Information search under social and nonsocial uncertainty. *Journal of Behavioral Decision Making*, 35(2), Article e2250.

<https://doi.org/10.1002/bdm.2250>

Hertwig, R., & Ellerbrock, D. (2022). Why people choose deliberate ignorance in times of societal transformation. *Cognition*, 229, Article 105247.

<https://doi.org/10.1016/j.cognition.2022.105247>

Hertwig, R., Leuker, C., Pachur, T., Spiliopoulos, L., & Pleskac, T. J. (2021). Studies in ecological rationality. *Topics in Cognitive Science*, 14(3), 467-491.

<https://doi.org/10.1111/tops.12567>

Hertwig, R., & Mazar, N. (2022). Toward a taxonomy and review of honesty interventions. *Current Opinion in Psychology*, 47, Article 101410.

<https://doi.org/10.1016/j.copsyc.2022.101410>

Hertwig, R., & Wulff, D. U. (2022). A description-experience framework of the dynamic response to risk. *Perspectives on Psychological Science*, 17(3), 631-651. <https://doi.org/10.1177/17456916211026896>

Herzog, S. M., & Hertwig, R. (2022). Kompetenzen mit "Boosts" stärken: Verhaltenswissenschaftliche Erkenntnisse jenseits von "Nudging". *Report Psychologie*, 47(4), 18-21.

Knobl, V., Dallacker, M., Hertwig, R., & Mata, J. (2022). Happy and healthy: How family mealtime routines relate to child nutritional health. *Appetite*, 171, Article 105939. <https://doi.org/10.1016/j.appet.2022.105939>

Kozyreva, A., Wineburg, S., Lewandowsky, S., & Hertwig, R. (2022). Critical ignoring as a core competence for digital citizens. *Current Directions in Psychological Science*. Advance online publication.

<https://doi.org/10.1177/09637214221121570>

Lejarraga, T., & Hertwig, R. (2021). Three theories of choice and their psychology of losses. *Perspectives on Psychological Science*, 17(2), 334-345.

<https://doi.org/10.1177/17456916211001332>

Leuker, C., Eggeling, L. M., Fleischhut, N., Gubernath, J., Gumenik, K., Hechtlinger, S., Kozyreva, A., Samaan, L., & Hertwig, R. (2022). Misinformation in Germany

- during the COVID-19 pandemic: A cross-sectional survey on citizens' perceptions and individual differences in the belief in false information. *European Journal of Health Communication*, 3(2), 13–39.
<https://doi.org/10.47368/ejhc.2022.202>
- Li, Y., Luan, S., Li, Y., Wu, J., Li, W., & Hertwig, R. (2021). Does risk perception motivate preventive behavior during a pandemic? A longitudinal study in the United States and China. *American Psychologist*, 77(1), 111-123.
<https://doi.org/10.1037/amp0000885>
- Litvinova, A., Kurvers, R. H. J. M., Hertwig, R., & Herzog, S. M. (2022). How experts' own inconsistency relates to their confidence and between-expert disagreement. *Scientific Reports*, 12, Article 9273. <https://doi.org/10.1038/s41598-022-12847-5>
- Morais, A. S., & Hertwig, R. (2022). Experimental methods are not neutral tools. *APS Observer*, 35(5).
- Reijula, S., & Hertwig, R. (2022). Self-nudging and the citizen choice architect. *Behavioural Public Policy*, 6(1), 119–149. <https://doi.org/10.1017/bpp.2020>.
- Schulte, E., Petzke, F., Spies, C., Denke, C., Schäfer, M., Donner-Banzhoff, N., Hertwig, R., & Wegwarth, O. (2022). Self-reported practices and emotions in prescribing opioids for chronic, noncancer pain: A cross-sectional study of German physicians. *Journal of Clinical Medicine*, 11(9), Article 2506.
<https://doi.org/10.3390/jcm11092506>
- Schulte, E., Spies, C., Denke, C., Meerpohl, J. J., Donner-Banzhoff, N., Petzke, F., Hertwig, R., Schäfer, M., & Wegwarth, O. (2022). Patients' self-reported physical and psychological effects of opioid use in chronic noncancer pain: A retrospective cross-sectional analysis. *European Journal of Pain*, 26(2), 417-427.
<https://doi.org/10.1002/ejp.1868>
- Schulze, C., & Hertwig, R. (2022). Experiencing statistical information improves children's and adults' inferences. *Psychonomic Bulletin & Review*. 29, 2302–2313. <https://doi.org/10.3758/s13423-022-02075-3>
- Wegwarth, O., Ludwig, W. D., Spies, C., Schulte, E., & Hertwig, R. (2022). The role of simulated-experience and descriptive formats on perceiving risks of strong opioids: A randomized controlled trial with chronic noncancer pain patients. *Patient Education and Counseling*. 105(6), 1571–1580.
<https://doi.org/10.1016/j.pec.2021.10.002>
- Wegwarth, O., Spies, C., Ludwig, W.-D., Donner-Banzhoff, N., Jonitz, G., & Hertwig, R. (2022). Educating physicians on strong opioids by descriptive versus simulated-experience formats: A randomized controlled trial. *BMC Medical Education*, 22, Article 741. <https://doi.org/10.1186/s12909-022-03797-7>
- Woike, J. K., Hafenbrädl, S., Kanngiesser, P., & Hertwig, R. (2022). The transmission game: Testing behavioral interventions in a pandemic-like simulation. *Science Advances*, 8(8), Article eabk0428.
<https://doi.org/10.1126/sciadv.abk0428>

2021

- Frey, R., Richter, D., Schupp, J., Hertwig, R., & Mata, R. (2021). Identifying robust correlates of risk preference: A systematic approach using specification curve analysis. *Journal of Personality and Social Psychology*. 120(2), 538–557.
<https://doi.org/10.1037/pspp0000287>

- Haux, L. M., Engelmann, J. M., Herrmann, E., & Hertwig, R. (2021). How chimpanzees decide in the face of social and nonsocial uncertainty. *Animal Behaviour*, *173*, 177–189. <https://doi.org/10.1016/j.anbehav.2021.01.015>
- Hertwig, R., Woike, J. K., & Schupp, J. (2021). Age differences in deliberate ignorance. *Psychology and Aging*, *36*(4), 407–414. <https://doi.org/10.1037/pag0000603>
- Horn, S. S., Avrahami, J., Kareev, Y., & Hertwig, R. (2021). Age-related differences in strategic competition. *Scientific Reports*, *11*, Article 15318. <https://doi.org/10.1038/s41598-021-94626-2>
- Kozyreva, A., & Hertwig, R. (2021). The interpretation of uncertainty in ecological rationality. *Synthese*, *198*, 1517–1547. <https://doi.org/10.1007/s11229-019-02140-w>
- Kozyreva, A., Lorenz-Spreen, P., Hertwig, R., Lewandowsky, S., & Herzog, S. M. (2021). Public attitudes towards algorithmic personalization and use of personal data online: Evidence from Germany, Great Britain, and the United States. *Humanities and Social Sciences Communications*, *8*, Article 117. <https://doi.org/10.1057/s41599-021-00787-w>
- Kozyreva, A., Lorenz-Spreen, P., Lewandowsky, S., Garrett, P. M., Herzog, S. M., Pachur, T., & Hertwig, R. (2021). Psychological factors shaping public responses to COVID-19 digital contact tracing technologies in Germany. *Scientific Reports*, *11*, Article 18716. <https://doi.org/10.1038/s41598-021-98249-5>
- Kurvers, R. H. J. M., Herzog, S. M., Hertwig, R., Krause, J., & Wolf, M. (2021). Pooling decisions decreases variation in response bias and accuracy. *iScience*, *24*(7), Article 102740. <https://doi.org/10.1016/j.isci.2021.102740>
- Lejarraga, T., & Hertwig, R. (2021). How experimental methods shaped views on human competence and rationality. *Psychological Bulletin*, *147*(6), 535–564. <https://doi.org/10.1037/bul0000324>
- Leuker, C., Samartzidis, L., & Hertwig, R. (2021). What makes a market transaction morally repugnant? *Cognition*, *212*, Article 104644. <https://doi.org/10.1016/j.cognition.2021.104644>
- Lewandowsky, S., Egidy, S., Hertwig, R., & Hahn, U. (2021). How to trash confidence in a COVID-19 vaccine: Brexit edition. *Bulletin of the Atomic Scientists*, *5* August 2021, <https://thebulletin.org/2021/08/how-to-trash-confidence-in-a-covid-19-vaccine-brexit-edition/>.
- Li, Y., Luan, S., Li, Y., & Hertwig, R. (2021). Changing emotions in the COVID-19 pandemic: A four-wave longitudinal study in the United States and China. *Social Science & Medicine*, *285*, Article 114222. <https://doi.org/10.1016/j.socscimed.2021.114222>
- Lorenz-Spreen, P., Geers, M., Pachur, T., Hertwig, R., Lewandowsky, S., & Herzog, S. M. (2021). Boosting people's ability to detect microtargeted advertising. *Scientific Reports*, *11*, Article 15541. <https://doi.org/10.1038/s41598-021-94796-z>
- Pleskac, T. J., Conradt, L., Leuker, C., & Hertwig, R. (2021). The ecology of competition: A theory of risk-reward environments in adaptive decision making. *Psychological Review*, *128*(2), 315–335. <https://doi.org/10.1037/rev0000261>
- Schulze, C., & Hertwig, R. (2021). A description-experience gap in statistical intuitions: Of smart babies, risk-savvy chimps, intuitive statisticians, and stupid grown-ups. *Cognition*, *210*, Article 104580. <https://doi.org/10.1016/j.cognition.2020.104580>

- Schulze, C., Hertwig, R., & Pachur, T. (2021). Who you know is what you know: Modeling boundedly rational social sampling. *Journal of Experimental Psychology: General*, *150*(2), 221–241. <https://doi.org/10.1037/xge0000799>
- Schulze, C., Hertwig, R., & Weyland, M. (2021). Wie Experimente menschliche Rationalität hervor- und wegzaubern. *Unterricht Wirtschaft + Politik*, *11*(3), 6-11.
- Schulze, C., Hertwig, R., & Weyland, M. (2021). Warum können Babys und Schimpansen mit Wahrscheinlichkeiten umgehen, Erwachsene aber nicht? *MINT Zirkel*, *10*(3), 3–3.
- Siegrist, V., Mata, R., Langewitz, W., Gerger, H., Furger, S., Hertwig, R., & Bingisser, R. (2021). Does information structuring improve recall of discharge information? A cluster randomized clinical trial. *PLoS ONE*, *16*(10), Article e0257656. <https://doi.org/10.1371/journal.pone.0257656>
- Wegwarth, O., Wind, S., Goebel, E., Spies, C., Meerpohl, J. J., Schmucker, C., Schulte, E., Neugebauer, E., & Hertwig, R. (2021). Educating pharmacists on the risks of strong opioids with descriptive and simulated experience risk formats: A randomized-controlled trial. *MDM Policy & Practice*. *6*(2), Article 23814683211042832. <https://doi.org/10.1177/23814683211042832>

2020

- Amazeen, M. A., Benevenuto, F., Brashier, N., Bond, R. M., Bozarth, L. C., Budak, C., Ecker, U. K. H., Fazio, L., Ferrara, E., Flanagin, A. J., Flammini, A., Freelon, D., Grinberg, N., Hertwig, R., Jamieson, K. H., Joseph, K., Jones, J. J., Kelly, G. R., Kreiss, D., McGregor, S., McNealy, J., Margolin, D., Marwick, A., Menczer, F., Metzger, M. J., Nah, S., Lewandowsky, S., Lorenz-Spreen, P., Ortellado, P., Pasquetto, I., Pennycook, G., Porter, E., Rand, D. G., Robertson, R., Swire-Thompson, B., Tripodi, F., Vosoughi, S., Vargo, C., Varol, O., Weeks, B. E., Wihbey, J., Wood, T. J., & Yang, K.-C. (2020). Tackling misinformation: What researchers could do with social media data. *The Harvard Kennedy School Misinformation Review*, *1*(8). <https://doi.org/10.37016/mr-2020-49>
- Arslan, R. C., Brümmer, M., Dohmen, T., Drewelies, J., Hertwig, R., & Wagner, G. G. (2020). How people know their risk preference. *Scientific Reports*, *10*(1), Article 15365. <https://doi.org/10.1038/s41598-020-72077-5>
- Fleischhut, N., Herzog, S. M., & Hertwig, R. (2020). Weather literacy in times of climate change. *Weather, Climate, and Society*, *12*(3), 435-452. <https://doi.org/10.1175/WCAS-D-19-0043.1>
- Fleischhut, N., Herzog, S. M., & Hertwig, R. (2020). [Public weather literacy in times of climate change \[appeared in the Papers of Note section in the August 2020 printed version of BAMS\]. *Bulletin of the American Meteorological Society*, *101*\(8\), 667–668](#)
- Frey Renggli, J., Eken, C., Siegrist, V., Nieves Ortega, R., Nickel, C., Rosin, C., Hertwig, R., & Bingisser, R. (2020). Usability of a web-based software tool for history taking in the emergency department. *Acute Medicine*, *19*(3), 131-137.
- Hertwig, R., Liebig, S., Lindenberger, U., & Wagner, G. G. (2020). Menschen überschätzen Risiko einer Covid-19-Erkrankung, berücksichtigen aber individuelle Risikofaktoren. *DIW aktuell*, 52.
- Hertwig, R., & Reijula, S. (2020). Creating citizen choice architects [Blog post]. *Behavioral Scientist*, Article 28 September 2020.

- Hertwig, R., & Ryall, M. D. (2020). Nudge versus boost: Agency dynamics under libertarian paternalism. *The Economic Journal*, 130(629), 1384–1415. <https://doi.org/10.1093/ej/uez054>
- Kozyreva, A., Lewandowsky, S., & Hertwig, R. (2020). Citizens versus the Internet: Confronting digital challenges with cognitive tools. *Psychological Science in the Public Interest*, 21(3), 103–156. <https://doi.org/10.1177%2F1529100620946707>
- Leuker, C., Samartzidis, L., Hertwig, R., & Pleskac, T. J. (2020). When money talks: Judging risk and coercion in high-paying clinical trials. *PLoS ONE*, 15(1), Article e0227898. <https://doi.org/10.1371/journal.pone.0227898>
- Li, Y., Hills, T., & Hertwig, R. (2020). A brief history of risk. *Cognition*, 203, Article 104344. <https://doi.org/10.1016/j.cognition.2020.104344>
- Litvinova, A., Herzog, S. M., Kall, A. A., Pleskac, T. J., & Hertwig, R. (2020). How the "wisdom of the inner crowd" can boost accuracy of confidence judgments. *Decision*, 7(3), 183-211. <https://doi.org/10.1037/dec0000119>
- Lorenz-Spreen, P., Lewandowsky, S., Sunstein, C. R., & Hertwig, R. (2020). How behavioural sciences can promote truth, autonomy and democratic discourse online. *Nature Human Behaviour*, 4, 1102-1109. <https://doi.org/10.1038/s41562-020-0889-7>
- Spiliopoulos, L., & Hertwig, R. (2020). A map of ecologically rational heuristics for uncertain strategic worlds. *Psychological Review*, 127(2), 245-280. <http://dx.doi.org/10.1037/rev0000171>
- Tisdall, L., Frey, R., Horn, A., Ostwald, D., Horvath, L., Pedroni, A., Rieskamp, J., Blankenburg, F., Hertwig, R., & Mata, R. (2020). Brain-behavior associations for risk taking depend on the measures used to capture individual differences. *Frontiers in Behavioral Neuroscience*, 14, Article 587152. <https://doi.org/10.3389/fnbeh.2020.587152>
- Wegwarth, O., Spies, C., Schulte, E., Meerpohl, J. J., Schmucker, C., Nury, E., Brockmann, D., Donner-Banzhoff, N., Wind, S., Goebel, E., Ludwig, W. D., & Hertwig, R. (2020). Experiencing the risk of overutilising opioids among patients with chronic non-cancer pain in ambulatory care (ERONA): The protocol of an exploratory, randomised controlled trial. *BMJ Open*, 10, Article e037642. <https://doi.org/10.1136/bmjopen-2020-037642>
- Wegwarth, O., Wagner, G. G., Spies, C., & Hertwig, R. (2020). Assessment of German public attitudes toward health communications with varying degrees of scientific uncertainty regarding COVID-19. *JAMA Network Open*, 3(12), Article e2032335. <https://doi.org/10.1001/jamanetworkopen.2020.32335>
- Zilker, V., Hertwig, R., & Pachur, T. (2020). Age differences in risk attitude are shaped by option complexity. *Journal of Experimental Psychology: General*, 149(9), 1644-1683. <https://doi.org/10.1037/xge0000741>

2019

- Dai, J., Pachur, T., Pleskac, T. J., & Hertwig, R. (2019). What the future holds and when: A description-experience gap in intertemporal choice. *Psychological Science*, 30(8), 1218–1233. <https://doi.org/10.1177/0956797619858969>
- Dallacker, M., Hertwig, R., & Mata, J. (2019). Quality matters: A meta-analysis on components of healthy family meals. *Health Psychology*, 38(12), 1137–1149. <https://doi.org/10.1037/hea0000801>

- El Zein, M., Bahrami, B., & Hertwig, R. (2019). Shared responsibility in collective decisions. *Nature Human Behaviour*, 3, 554–559.
<https://doi.org/10.1038/s41562-019-0596-4>
- Gerlach, P., Teoderescu, K., & Hertwig, R. (2019). The truth about lies: A meta-analysis on dishonest behavior. *Psychological Bulletin*, 145(1), 1–44.
<https://doi.org/10.1037/bul0000174>
- Hertwig, R., & Grüne-Yanoff, T. (2019). Nudging and boosting financial decisions. *Bancaria: Journal of Italian Banking Association*, 73(3), 2–19.
- Hertwig, R., Wulff, D. U., & Mata, R. (2019). Three gaps and what they may mean for risk preference. *Philosophical Transactions of the Royal Society of London: B, Biological Sciences*, 374, Article 20180140.
<https://doi.org/10.1098/rstb.2018.0140>
- Kozyreva, A., & Hertwig, R. (2019). The interpretation of uncertainty in ecological rationality. *Synthese*. Advance online publication. <https://doi.org/10.1007/s11229-019-02140-w>
- Kurvers, R. H. J. M., Herzog, S. M., Hertwig, R., Krause, J., Moussaid, M., Argenziano, G., Zalaudek, I., Carney, P. A., & Wolf, M. (2019). How to detect high performing individuals and groups: Decision similarity predicts accuracy. *Science Advances*, 5(11), Article eaaw9011.
<https://doi.org/10.1126/sciadv.aaw9011>
- Lejarraga, T., Frey, R., Schnitzlein, D. D., & Hertwig, R. (2019). No effect of birth order on adult risk taking. *Proceedings of the National Academy of Sciences of the United States of America*, 116(13), 6019–6024.
<https://doi.org/10.1073/pnas.1814153116>
- Lejarraga, T., Schulte-Mecklenbeck, M., Pachur, T., & Hertwig, R. (2019). The attention-aversion gap: How allocation of attention relates to loss aversion. *Evolution and Human Behavior*, 40(5), 457–469.
<https://doi.org/10.1016/j.evolhumbehav.2019.05.008>
- Leuker, C., Pachur, T., Hertwig, R., & Pleskac, T. J. (2019). Do people exploit risk-reward structures to simplify information processing in risky choice? *Journal of the Economic Science Association*, 5(1), 76–94. <https://doi.org/10.1007/s40881-019-00068-y>
- Leuker, C., Pachur, T., Hertwig, R., & Pleskac, T. J. (2019). Too good to be true? Psychological responses to uncommon options in risk-reward environments. *Journal of Behavioral Decision Making*, 32(3), 346–358.
<https://doi.org/10.1002/bdm.2116>
- Schurz, G., & Hertwig, R. (2019). Cognitive success: A consequentialist account of rationality in cognition. *Topics in Cognitive Science*, 11(1), 7–36.
<https://doi.org/10.1111/tops.12410>
- Spiliopoulos, L., & Hertwig, R. (2019). Nonlinear decision weights or moment-based preferences? A model competition involving described and experienced skewness. *Cognition*, 183, 99–123.
<https://doi.org/10.1016/j.cognition.2018.10.023>

2018

- Coall, D. A., Hilbrand, S., Sear, R., & Hertwig, R. (2018). Interdisciplinary perspectives on grandparental investment: A journey towards causality. *Contemporary Social Science*, 13(2), 159–174.
<https://doi.org/10.1080/21582041.2018.1433317>

- Dallacker, M., Hertwig, R., & Mata, J. (2018). The frequency of family meals and nutritional health in children: A meta-analysis. *Obesity Reviews*, *19*(5), 638–653. <https://doi.org/10.1111/obr.12659>
- Dallacker, M., Hertwig, R., & Mata, J. (2018). Parents' considerable underestimation of sugar and their child's risk of overweight. *International Journal of Obesity*, *42*(5), 1097–1100. <https://doi.org/10.1038/s41366-018-0021-5>
- de Bellis, E., Schulte-Mecklenbeck, M., Brucks, W., Herrmann, A., & Hertwig, R. (2018). Blind haste: As light decreases, speeding increases. *PLoS ONE*, *13*(1), Article e0188951. <https://doi.org/10.1371/journal.pone.0188951>
- Fleischhut, N., Artinger, F., Olschewski, S., & Hertwig, R. (2018). Not all uncertainty is treated equally: Search under social and nonsocial uncertainty. *PsyArXiv*. <https://dx.doi.org/10.31234/osf.io/c7ht2>
- Frey, R., Herzog, S. M., & Hertwig, R. (2018). Deciding on behalf of others: A population survey on procedural preferences for surrogate decision making. *BMJ Open*, *8*, Article e022289. <http://dx.doi.org/10.1136/bmjopen-2018-022289>
- Hadar, L., Danziger, S., & Hertwig, R. (2018). The attraction effect in experience-based decisions. *Journal of Behavioral Decision Making*, *31*(3), 461–468. <https://doi.org/10.1002/bdm.2058>
- Hertwig, R., Hogarth, R. M., & Lejarraga, T. (2018). Experience and description: exploring two paths to knowledge. *Current Directions in Psychological Science*, *27*(2), 123–128. <https://doi.org/10.1177/0963721417740645>
- Hertwig, R., & Pleskac, T. J. (2018). The construct-behavior gap and the description-experience gap: Comment on Regenwetter and Robinson (2017). *Psychological Review*, *125*(5), 844–849. <http://dx.doi.org/10.1037/rev0000121>
- Leuker, C., Pachur, T., Hertwig, R., & Pleskac, T. J. (2018). Exploiting risk-reward structures in decision making under uncertainty. *Cognition*, *175*(June), 186–200. <https://doi.org/10.1016/j.cognition.2018.02.019>
- Leuker, C., Samartzidis, L., Hertwig, R., & Pleskac, T. J. (2018). When money talks: Judging risk and coercion in high-paying clinical trials. *PsyArXiv*. <https://doi.org/10.31234/osf.io/9p7cb>
- Mata, J., & Hertwig, R. (2018). Public beliefs about obesity relative to other major health risks: Representative cross-sectional surveys in the USA, the UK, and Germany. *Annals of Behavioral Medicine*, *52*(4), 273–286. <https://doi.org/10.1093/abm/kax003>
- Mata, J., Richter, D., Schneider, T., & Hertwig, R. (2018). How cohabitation, marriage, and divorce influence BMI: A prospective panel study. *Health Psychology*, *37*(10), 948–958. <http://dx.doi.org/10.1037/hea0000654>
- Mata, R., Frey, R., Richter, D., Schupp, J., & Hertwig, R. (2018). Risk preference: A view from psychology. *Journal of Economic Perspectives*, *32*(2), 155–172. <http://dx.doi.org/10.1257/jep.32.2.155>
- Pachur, T., Schulte-Mecklenbeck, M., Murphy, R. O., & Hertwig, R. (2018). Prospect theory reflects selective allocation of attention. *Journal of Experimental Psychology: General*, *147*(2), 147–169. <http://dx.doi.org/10.1037/xge0000406>
- Siegrist, V., Eken, C., Nickel, C. H., Mata, R., Hertwig, R., & Bingisser, R. (2018). End-of-life decisions in emergency patients: Prevalence, outcome, and physician effect. *QJM: An International Journal of Medicine*, *111*(8), 549–554. <https://doi.org/10.1093/qjmed/hcy112>
- Siegrist, V., Langewitz, W., Mata, R., Maiori, D., Hertwig, R., & Bingisser, R. (2018). The influence of information structuring and health literacy on recall and

- satisfaction in a simulated discharge communication. *Patient Education and Counseling*, 101(12), 2090–2096. <https://doi.org/10.1016/j.pec.2018.08.008>
- Wagner, G. G., Arslan, R. C., Dorn, F., Gäbler, S., Griese, F., Hertwig, R., Kauder, B., Krause, M., Lorenz, L., Mosler, M., & Potrafke, N. (2018). Risikoeinschätzungen von Ökonomen. *Ifo Schnelldienst*, 71(7), 61–64.
- Wulff, D. U., Mergenthaler-Canseco, M., & Hertwig, R. (2018). A meta-analytic review of two modes of learning and the description-experience gap. *Psychological Bulletin*, 144(2), 140–176. <https://doi.org/10.1037/bul0000115>

2017

- Ackermann, S., Ghanim, L., Heierle, A., Hertwig, R., Langewitz, W., Mata, R., & Bingisser, R. (2017). Information structuring improves recall of emergency discharge information: A randomized clinical trial. *Psychology, Health & Medicine*, 22(6), 646–662. <https://doi.org/10.1080/13548506.2016.1198816>
- Frey, R., Pedroni, A., Mata, R., Rieskamp, J., & Hertwig, R. (2017). Risk preference shares the psychometric structure of major psychological traits. *Science Advances*, 3(10), Article e1701381. <http://dx.doi.org/10.1126/sciadv.1701381>
- Hertwig, R. (2017). When to consider boosting: Some rules for policy-makers. *Behavioural Public Policy*, 1(2), 143–161. <https://doi.org/10.1017/bpp.2016.14>
- Hertwig, R., & Grüne-Yanoff, T. (2017). Nudging and boosting: Steering or empowering good decisions. *Perspectives on Psychological Science*, 12(6), 973–986. <https://doi.org/10.1177/1745691617702496>
- Hilbrand, S., Coall, D. A., Gerstorf, D., & Hertwig, R. (2017). Caregiving within and beyond the family is associated with lower mortality for the caregiver: A prospective study. *Evolution and Human Behavior*, 38(3), 397–403. <https://doi.org/10.1016/j.evolhumbehav.2016.11.010>
(received the Elsevier Atlas Award)
- Hilbrand, S., Coall, D. A., Meyer, A. H., Gerstorf, D., & Hertwig, R. (2017). A prospective study of associations among helping, health, and longevity. *Social Science & Medicine*, 187(August), 109–117. <https://doi.org/10.1016/j.socscimed.2017.06.035>
- Lejarraga, T., & Hertwig, R. (2017). How the threat of losses makes people explore more than the promise of gains. *Psychonomic Bulletin & Review*, 24(3), 708–720. <https://doi.org/10.3758/s13423-016-1158-7>
- Mata, J., Dallacker, M., & Hertwig, R. (2017). Social nature of eating could explain missing link between food insecurity and childhood obesity. *Behavioral and Brain Sciences*, 40, Article e122. <https://doi.org/10.1017/S0140525X16001473>
- Mata, R., & Hertwig, R. (2017). Towards an ecological perspective on age-performance relations: Adaptation as strategy and niche selection. *European Psychologist*, 22(3), 151–158. <https://doi.org/10.1027/1016-9040/a000292>
- Moussaïd, M., Herzog, S. M., Kämmer, J. E., & Hertwig, R. (2017). Reach and speed of judgment propagation in the laboratory. *Proceedings of the National Academy of Sciences of the United States of America*, 114(16), 4117–4122. <https://doi.org/10.1073/pnas.1611998114>
- Pachur, T., Mata, R., & Hertwig, R. (2017). Who dares, who errs? Disentangling cognitive and motivational roots of age differences in decisions under risk. *Psychological Science*, 28(4), 504–518. <https://doi.org/10.1177/0956797616687729>

- Pachur, T., Suter, R. S., & Hertwig, R. (2017). How the twain can meet: Prospect theory and models of heuristics in risky choice. *Cognitive Psychology*, 93(March), 44–73. <https://doi.org/10.1016/j.cogpsych.2017.01.001>
- Pedroni, A., Frey, R., Bruhin, A., Dutilh, G., Hertwig, R., & Rieskamp, J. (2017). The risk elicitation puzzle. *Nature Human Behaviour*, 1, 803–809. <https://doi.org/10.1038/s41562-017-0219-x>
- Schöbel, M., Hertwig, R., & Rieskamp, J. (2017). Phasing out a risky technology: An endgame problem in German nuclear power plants? *Behavioral Science & Policy*, 3(2), 41–54. <https://doi.org/10.1353/bsp.2017.0012>
- van den Bos, W., & Hertwig, R. (2017). Adolescents display distinctive tolerance to ambiguity and to uncertainty during risky decision making. *Scientific Reports*, 7, Article 40962. <https://doi.org/10.1038/srep40962>

2016

- Ackermann, S., Heierle, A., Bingisser, M.-B., Hertwig, R., Padiyath, R., Nickel, C. H., Langewitz, W., & Bingisser, R. (2016). Discharge communication in patients presenting to the emergency department with chest pain: Defining the ideal content. *Health Communication*, 31(5), 557–565. <http://dx.doi.org/10.1080/10410236.2014.979115>
- Arkes, H. R., Gigerenzer, G., & Hertwig, R. (2016). How bad is incoherence? *Decision*, 3(1), 20–39. <https://doi.org/10.1037/dec0000043>
- Dallacker, M., Hertwig, R., Peters, E., & Mata, J. (2016). Lower parental numeracy is associated with children being under- and overweight. *Social Science & Medicine*, 161, 126–133. <https://doi.org/10.1016/j.socscimed.2016.06.006>
- Grüne-Yanoff, T., & Hertwig, R. (2016). Nudge versus boost: How coherent are policy and theory? *Minds and Machines*, 26(1), 149–183. <https://doi.org/10.1007/s11023-015-9367-9>
- Hertwig, R., & Engel, C. (2016). Homo ignorans: Deliberately choosing not to know. *Perspectives on Psychological Science*, 11(3), 359–372. <https://doi.org/10.1177/1745691616635594>
- Hertwig, R., & Pedersen, A. P. (2016). Finding foundations for bounded and adaptive rationality. *Minds and Machines*, 26(1), 1–8. <https://doi.org/10.1007/s11023-015-9380-z>
- Hintze, A., & Hertwig, R. (2016). The evolution of generosity in the ultimatum game. *Scientific Reports*, 6, Article 34102. <https://doi.org/10.1038/srep34102>
- Josef, A. K., Richter, D., Samanez-Larkin, G. R., Wagner, G. G., Hertwig, R., & Mata, R. (2016). Stability and change in risk-taking propensity across the adult lifespan. *Journal of Personality and Social Psychology*, 111(3), 430–450. <http://dx.doi.org/10.1037/pspp0000090>
- Kellen, D., Pachur, T., & Hertwig, R. (2016). How (in)variant are subjective representations of described and experienced risk and rewards? *Cognition*, 157(December), 126–138. <https://doi.org/10.1016/j.cognition.2016.08.020>
- Kurvers, R. H. J. M., Herzog, S. M., Hertwig, R., Krause, J., Carney, P. A., Bogart, A., Argenziano, G., Zalaudek, I., & Wolf, M. (2016). Boosting medical diagnostics by pooling independent judgments. *Proceedings of the National Academy of Sciences of the United States of America*, 113(31), 8777–8782. <https://doi.org/10.1073/pnas.1601827113>

- Lejarraga, T., Pachur, T., Frey, R., & Hertwig, R. (2016). Decisions from experience: From monetary to medical gambles. *Journal of Behavioral Decision Making*, 29(1), 67–77. <https://doi.org/10.1002/bdm.1877>
- Lejarraga, T., Woike, J. K., & Hertwig, R. (2016). Description and experience: How experimental investors learn about booms and busts affects their financial risk taking. *Cognition*, 157(December), 365–383. <https://doi.org/10.1016/j.cognition.2016.10.001>
- Mata, R., Josef, A. K., & Hertwig, R. (2016). Propensity for risk taking across the life span and around the globe. *Psychological Science*, 27(2), 231–243. <https://doi.org/10.1177/0956797615617811>
- Suter, R. S., Pachur, T., & Hertwig, R. (2016). How affect shapes risky choice: Distorted probability weighting versus probability neglect. *Journal of Behavioral Decision Making*, 29(4), 437–449. <https://doi.org/10.1002/bdm.1888>
- Volz, K. G., & Hertwig, R. (2016). Emotions and decisions: Beyond conceptual vagueness and the rationality muddle. *Perspectives on Psychological Science*, 11(1), 101–116. <https://doi.org/10.1177/1745691615619608>

2015

- Beglinger, B., Rohacek, M., Ackermann, S., Hertwig, R., Karakoumis-Ilsemann, J., Boutellier, S., Geigy, N., Nickel, C., & Bingisser, R. (2015). The physician's first clinical impression of emergency department patients with non-specific complaints is associated with morbidity and mortality. *Medicine*, 94(7), Article e374. <https://doi.org/10.1097/MD.0000000000000374>
- Frey, R., Mata, R., & Hertwig, R. (2015). The role of cognitive abilities in decisions from experience: Age differences emerge as a function of choice set size. *Cognition*, 142(September), 60–80. <https://doi.org/10.1016/j.cognition.2015.05.004>
- Frey, R., Rieskamp, J., & Hertwig, R. (2015). Sell in May and go away? Learning and risk taking in nonmonotonic decision problems. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 41(1), 193–208. <https://doi.org/10.1037/a0038118>
- Hintze, A., Olsson, R. S., Adami, C., & Hertwig, R. (2015). Risk sensitivity as an evolutionary adaptation. *Scientific Reports*, 5, Article 8242. <https://doi.org/10.1038/srep08242>
- Hintze, A., Phillips, N., & Hertwig, R. (2015). The Janus face of Darwinian competition. *Scientific Reports*, 5, Article 13662. <https://doi.org/10.1038/srep13662>
- Jenny, M. A., Hertwig, R., Ackermann, S., Messmer, A., Ilsemann, J., Nickel, C., & Bingisser, R. (2015). Are mortality and acute morbidity in patients presenting with nonspecific complaints predictable using routine variables? *Academic Emergency Medicine*, 22(10), 1155–1163. <https://doi.org/10.1111/acem.12755>
- Langewitz, W., Ackermann, S., Heierle, A., Hertwig, R., Ghanim, L., & Bingisser, R. (2015). Improving patient recall of information: Harnessing the power of structure. *Patient Education and Counseling*, 98(6), 716–721. <https://doi.org/10.1016/j.pec.2015.02.003>
- Mata, J., Frank, R., & Hertwig, R. (2015). Higher body mass index, less exercise, but healthier eating in married adults: Nine representative surveys across Europe. *Social Science & Medicine*, 138(August), 119–127. <https://doi.org/10.1016/j.socscimed.2015.06.001>

- Ostwald, D., Starke, L., & Hertwig, R. (2015). A normative inference approach for optimal sample sizes in decisions from experience. *Frontiers in Psychology*, 6, Article 1342. <https://doi.org/10.3389/fpsyg.2015.01342>
- Suter, R. S., Pachur, T., Hertwig, R., Endestad, T., & Biele, G. (2015). The neural basis of risky choice with affective outcomes. *PLoS ONE*, 10(4), Article e0122475. <https://doi.org/10.1371/journal.pone.0122475>
- Wulff, D. U., Hills, T. T., & Hertwig, R. (2015). How short- and long-run aspirations impact search and choice in decisions from experience. *Cognition*, 144, 29–37. <https://doi.org/10.1016/j.cognition.2015.07.006>
- Wulff, D. U., Hills, T. T., & Hertwig, R. (2015). Online product reviews and the description-experience gap. *Journal of Behavioral Decision Making*, 28(3), 214–223. <https://doi.org/10.1002/bdm.1841>

2014

- Coall, D.A., Hilbrand, S., & Hertwig, R. (2014). Predictors of Grandparental Investment Decisions in Contemporary Europe: Biological Relatedness and Beyond. *PLoS ONE*, 9(1), Article e84082. <https://doi.org/10.1371/journal.pone.0084082>
- de Palma, A., Abdellaoui, M., Attanasi, G., Ben-Akiva, M., Erev, I., Fehr-Duda, H., Fok, D., Fox, C. R., Hertwig, R., Picard, N., Wakker, P. P., Walker, J. L., & Weber, M. (2014). Beware of black swans: Taking stock of the description-experience gap in decision under uncertainty. *Marketing Letters*, 25(3), 269–280. <https://doi.org/10.1007/s11002-014-9316-z>
- Donner-Banzhoff, N., & Hertwig, R. (2014). Inductive foraging: Improving the diagnostic yield of primary care consultations. *European Journal of General Practice*, 20(1), 69–73. <https://doi.org/10.3109/13814788.2013.805197>
- Frey, R., Hertwig, R., & Herzog, S. M. (2014). Surrogate decision making: Do we have to trade off accuracy and procedural satisfaction? *Medical Decision Making*, 34(2), 258–269. <https://doi.org/10.1177/0272989X12471729>
- Frey, R., Hertwig, R., & Rieskamp, J. (2014). Fear shapes information acquisition in decisions from experience. *Cognition*, 132(1), 90–99. <https://doi.org/10.1016/j.cognition.2014.03.009>
- Hertwig, R., & Wulff, D. (2014). Risikoentscheidungen: Die Kluft zwischen Erfahrung und Beschreibung. *Controlling: Zeitschrift für erfolgsorientierte Unternehmenssteuerung*, 26(11), 630–636.
- Herzog, S. M., & Hertwig, R. (2014). Harnessing the wisdom of the inner crowd. *Trends in Cognitive Sciences*, 18(10), 504–506. <https://doi.org/10.1016/j.tics.2014.06.009>
- Herzog, S. M. & Hertwig, R. (2014). Think twice, and then: Combining or choosing in dialectical bootstrapping? *Journal of Experimental Psychology: Learning, Memory and Cognition*, 40(1), 218–232. <https://doi.org/10.1037/a0034054>
- Pachur, T., Hertwig, R., & Wolkewitz, R. (2014). The affect gap in risky choice: Affect-rich outcomes attenuate attention to probability information. *Decision*, 1(1), 64–78. <https://doi.org/10.1037/dec0000006>
- Phillips, N. D., Hertwig, R., Kareev, Y., & Avrahami, J. (2014). Rivals in the dark: How competition affects information search and choices. *Cognition*, 113(1), 104–119. <https://doi.org/10.1016/j.cognition.2014.06.006>

Pleskac, T. J., & Hertwig, R. (2014). Ecologically rational choice and the structure of the environment. *Journal of Experimental Psychology: General*, *143*(5), 200–2019. <https://doi.org/10.1037/xge0000013>

2013

Avrahami, J., Güth, W., Hertwig, R., Kareev, Y., & Otsubo, H. (2013). Learning (not) to yield: An experimental study of evolving ultimatum game behavior. *The Journal of Socio-Economics*, *47*, 47–54.

<https://doi.org/10.1016/j.socec.2013.08.009>

Fischbacher, U., Hertwig, R., & Bruhin, A. (2013). How to model heterogeneity in costly punishment: Insights from responders' response times. *Journal of Behavioral Decision Making*, *26*(5), 462–476. <https://doi.org/10.1002/bdm.1779>

Hertwig, R. (2013). Grenzen der Selbstoptimierung. *Psyche im Fokus*, *3*, 11–13.

Hertwig, R. (2013). Die Kommunikation von Risiken in einer Welt im globalen Wandel. *Nova Acta Leopoldina NF*, *118*, 3–23.

Hertwig, R., Meier, N., Nickel, C., Zimmermann, P.-C., Ackermann, S., Woike, J. K., & Bingisser, R. (2013). Correlates of diagnostic accuracy in patients with non-specific complaints. *Medical Decision Making*, *33*(4), 533–543.

<https://doi.org/10.1177/0272989X12470975>

Hertwig, R. & Volz, K. G. (2013). Abnormality, rationality, and sanity. *Trends in Cognitive Sciences*, *17*(11), 547–549. <https://doi.org/10.1016/j.tics.2013.08.011>

Herzog, S. M. & Hertwig, R. (2013). The crowd-within and the benefits of dialectical bootstrapping: A reply to White and Antonakis (2013). *Psychological Science*, *24*(1), 117–119. <https://doi.org/10.1177/0956797612457399>

Pachur, T., Hertwig, R., Gigerenzer, G., & Brandstätter, E. (2013). Testing process predictions of models of risky choice: A quantitative model comparison approach. *Frontiers in Psychology*, *4*, Article 646. <https://doi.org/10.3389/fpsyg.2013.00646>

Pachur, T., Hertwig, R., & Rieskamp, J. (2013). Intuitive judgments of social statistics: How exhaustive does sampling need to be? *Journal of Experimental Social Psychology*, *49*(6), 1059–1077. <https://doi.org/10.1016/j.jesp.2013.07.004>

Schulte-Mecklenbeck, M., Sohn, M., De Bellis, Emanuel, Martin, N. & Hertwig, R. (2013). A lack of appetite for information and computation. Simple heuristics in food choice. *Appetite*, *71*, 242–251. <https://doi.org/10.1016/j.appet.2013.08.008>

2012

Ackermann, S., Bingisser, M.-B., Heierle, A., Langewitz, W., Hertwig, R., & Bingisser, R. (2012). Discharge communication in the emergency department: Physicians underestimate the time needed. *Swiss Medical Weekly*, *142*, Article w13588. <https://doi.org/10.4414/smw.2012.13588>

Ettlin, F., & Hertwig, R. (2012). Back or to the future? Preferences of time travelers. *Judgment and Decision Making*, *7*(4), 373–382.

Hertwig, R. (2012). The psychology and rationality of decisions from experience. *Synthese*, *187*(1), 269–292. <https://doi.org/10.1007/s11229-011-0024-4>

Hertwig, R. (2012). Tapping into the wisdom of the crowd: With confidence. *Science*, *336*(6079), 303–304. <https://doi.org/10.1126/science.1221403>

Hills, T. T., & Hertwig, R. (2012). Two distinct exploratory behaviors in decisions from experience: Comment on Gonzalez and Dutt (2011). *Psychological Review*, *119*(4), 888–892. <https://doi.org/10.1037/a0028004>

- Lejarraga, T., Hertwig, R., & Gonzalez, C. (2012). How choice ecology influences search in decisions from experience. *Cognition*, *124*(3), 334–342. <https://doi.org/10.1016/j.cognition.2012.06.002>
- Mata, R., Hau, R., Papassotiropoulos, A., & Hertwig, R. (2012). DAT1 polymorphism is associated with risk taking in the Balloon Analogue Risk Task (BART). *PLoS ONE*, *7*(6), Article e39135. <https://doi.org/10.1371/journal.pone.0039135>
- Mata, R., Pachur, T., Helversen, B. v., Hertwig, R., Rieskamp, J., & Schooler, L. J. (2012). Ecological rationality: A framework for understanding and aiding the aging decision maker. *Frontiers in Decision Neuroscience*, *6*, Article 19. <https://doi.org/10.3389/fnins.2012.00019>
- Pachur, T., Hertwig, R., & Steinmann, F. (2012). How do people judge risks: Availability heuristic, affect heuristic, or both? *Journal of Experimental Psychology: Applied*, *18*(3), 314–330. <https://doi.org/10.1037/a0028279>

2011

- Coall, D., & Hertwig, R. (2011). Grandparental investment: A relic of the past or a resource for the future? *Current Directions in Psychological Science*, *20*(2), 93–98. <https://doi.org/10.1177/0963721411403269>
- Hertwig, R., & Gigerenzer, G. (2011). Behavioral inconsistencies do not imply inconsistent strategies. *Frontiers in Cognition*, *2*, Article 292. <https://doi.org/10.3389/fpsyg.2011.00292>
- Herzog, S. M., & Hertwig, R. (2011). The wisdom of ignorant crowds: Predicting sport outcomes by mere recognition. *Judgment and Decision Making*, *6*(1), 58–72.
- Hills, T., & Hertwig, R. (2011). Why aren't we smarter already? Evolutionary trade-offs and cognitive enhancements. *Current Directions in Psychological Science*, *20*(6), 373–377. <https://doi.org/10.1177/0963721411418300>
- Mata, R., & Hertwig, R. (2011). How to model age-related motivational reorientations in risky choice: A Comment on Depping and Freund. *Human Development*, *54*(6), 368–375. <https://doi.org/10.1159/000334943>
- Mata, R., Josef, A.K., Samanez-Larkin, & Hertwig, R. (2011). Age-related differences in risky choice: A meta-analysis. *Annals of the New York Academy of Sciences*, *1235*, 18–29. <https://doi.org/10.1111/j.1749-6632.2011.06200.x>
- Suter, R., & Hertwig, R. (2011). Time and moral judgment. *Cognition*, *119*(3), 454–458. <https://doi.org/10.1016/j.cognition.2011.01.018>

2010

- Coall, D. & Hertwig, R. (2010). Grandparental investment: Past, present and future (target article). *Behavioral and Brain Sciences*, *33*(1), 1–19. <https://doi.org/10.1017/S0140525X09991105>
- Coall, D. A., & Hertwig, R. (2010). Toward an integrative framework of grandparental investment: Authors' response. *Behavioral and Brain Sciences*, *33*(1), 40–59.
- Erev, I., Ert, E., Roth, A. E., Haruvy, E., Herzog, S., Hau, R., Hertwig, R., Stewart, T., West, R., Lebiere, C. (2010). A choice prediction competition, for choices from experience and from description. *Journal of Behavioral Decision Making*, *23*(1), 15–47. <https://doi.org/10.1002/bdm.683>
- Hau, R., Pleskac, T. J., & Hertwig, R. (2010). Decisions from experience and statistical probabilities: Why they trigger different choices than a priori

- probabilities. *Journal of Behavioral Decision Making*, 23(1), 48–68.
<https://doi.org/10.1002/bdm.665>
- Hertwig, R. & Pleskac, T. J. (2010). Decisions from experience: Why small samples? *Cognition*, 115(2), 225–237. <https://doi.org/10.1016/j.cognition.2009.12.009>
- Hills, T., & Hertwig, R. (2010). Information search and decisions from experience: Do our patterns of sampling foreshadow our decisions. *Psychological Science*, 21(12), 1787–1792. <https://doi.org/10.1177/0956797610387443>
- Katsikopoulos, K., Schooler, L., & Hertwig, R. (2010). The robust beauty of ordinary information. *Psychological Review*, 117(4), 1259–1266.
<https://doi.org/10.1037/a0020418>

Book Chapters

2023

- Pleskac, T. J., & Hertwig, R. (2023). In decisions from experience what you see is up to your sampling of the world. In K. Fiedler, P. Juslin, & J. Denrell (Eds.), *Sampling in judgment and decision making* (pp. 66–89). *Cambridge University Press*. <https://doi.org/10.1017/9781009002042.004>
- Reijula, S., & Hertwig, R. (2023). Self-nudging and the citizen choice architect. In C. R. Sunstein & L. A. Reisch (Eds.), *Research handbook on nudges and society* (pp. 263–290). Edward Elgar Publishing.

2021

- Hertwig, R., & Grüne-Yanoff, T. (2021). Boosting and nudging: Two paths toward better financial decisions. In R. Viale, U. Filotto, B. Alemanni, & S. Mousavi (Eds.), *Financial education and risk literacy* (pp. 150–180). Edward Elgar Publishing. <https://doi.org/10.4337/9781789908855.00018>
- Hertwig, R., & Kozyreva, A. (2021). Bounded rationality: A vision of rational choice in the real world. In M. Knauff & W. Spohn (Eds.), *The handbook of rationality* (505–515). MIT Press.

2020

- Ellerbrock, D., & Hertwig, R. (2020). The complex dynamics of deliberate ignorance and the desire to know in times of transformation: The case of Germany. In R. Hertwig & C. Engel (Eds.), *Deliberate ignorance: Choosing not to know* (pp. 19–38). MIT Press.
- Engel, C., & Hertwig, R. (2020). Deliberate ignorance: Present and future. In R. Hertwig & C. Engel (Eds.), *Deliberate ignorance: Choosing not to know* (pp. 317–332). MIT Press.
- Hertwig, R., & Engel, C. (2020). Homo ignorans: Deliberately choosing not to know. In R. Hertwig & C. Engel (Eds.), *Deliberate ignorance: Choosing not to know* (pp. 359–372). MIT Press. (This chapter has been adapted from the authors' 2016 article published in *Perspectives on Psychological Science*, vol. 11, no. 2, pp. 359–372)
- Krueger, J. I., Hahn, U., Ellerbrock, D., Gächter, S., Hertwig, R., Kornhauser, L. A., Leuker, C., Szech, N., & Waldmann, M. R. (2020). Normative implications of

deliberate ignorance. In R. Hertwig & C. Engel (Eds.), *Deliberate ignorance: Choosing not to know* (pp. 241–271). MIT Press.

2019

- Dai, J., Pachur, T., Pleskac, T. J., & Hertwig, R. (2019). Tomorrow never knows: Why and how uncertainty matters in intertemporal choice. In R. Hertwig, T. J. Pleskac, T. Pachur, & The Center for Adaptive Rationality, *Taming uncertainty* (pp. 175-189). MIT Press.
- Dallacker, M., Mata, J., & Hertwig, R. (2019). Toward simple eating rules for the land of plenty. In R. Hertwig, T. J. Pleskac, T. Pachur, & The Center for Adaptive Rationality, *Taming uncertainty* (pp. 111-127). MIT Press.
- Hertwig, R., Pleskac, T. J., & Pachur, T. (2019). Preface. In R. Hertwig, T. J. Pleskac, T. Pachur, & The Center for Adaptive Rationality, *Taming uncertainty* (pp. XI-XIII). MIT Press.
- Hertwig, R., Pleskac, T. J., & Pachur, T. (2019). Reckoning with uncertainty: Our program of research. In R. Hertwig, T. J. Pleskac, T. Pachur, & The Center for Adaptive Rationality, *Taming uncertainty* (pp. 3-25). Cambridge, MIT Press.
- Hertwig, R., Woike, J. K., Pachur, T., & Brandstätter, E. (2019). The robust beauty of heuristics in choice under uncertainty. In R. Hertwig, T. J. Pleskac, T. Pachur, & The Center for Adaptive Rationality, *Taming uncertainty* (pp.29-50). MIT Press.
- Herzog, S. M., & Hertwig, R. (2019). Kompetenzen mit "Boosts" stärken. Verhaltenswissenschaftliche Erkenntnisse jenseits von "Nudging". In C. Bala & W. Schuldzinski (Eds.), *Verbraucherbildung: Ein weiter Weg zum mündigen Verbraucher* (pp. 19-40). Verbraucherzentrale.
https://doi.org/10.15501/978-3-86336-924-8_2
- Kozyreva, A., Pleskac, T. J., Pachur, T., & Hertwig, R. (2019). Interpreting uncertainty: A brief history of not knowing. In R. Hertwig, T. J. Pleskac, T. Pachur, & The Center for Adaptive Rationality, *Taming uncertainty* (pp. 343-362). MIT Press.
- Lejarraga, T., Woike, J. K., & Hertwig, R. (2019). Experiences and descriptions of financial uncertainty: Are they equivalent? In R. Hertwig, T. J. Pleskac, T. Pachur, & The Center for Adaptive Rationality, *Taming uncertainty* (pp. 191-205). MIT Press.
- Markant, D., & Hertwig, R. (2019). Rivals in the dark: Trading off strategic and environmental uncertainty. In R. Hertwig, T. J. Pleskac, T. Pachur, & The Center for Adaptive Rationality, *Taming uncertainty* (pp. 225-243). MIT Press.
- Mata, J., Dallacker, M., Vogel, T., & Hertwig, R. (2019). The role of attitudes in diet, eating, and body weight. In D. Albarracín & B. T. Johnson (Eds.), *The handbook of attitudes, Vol. 2: Applications* (2nd ed., pp.67-91). Routledge.
- Pachur, T., & Hertwig, R. (2019). The weight of uncertain events. In R. Hertwig, T. J. Pleskac, T. Pachur, & The Center for Adaptive Rationality, *Taming uncertainty* (pp. 153-174). MIT Press.
- Pleskac, T. J., Hertwig, R., Leuker, C., & Conradt, L. (2019). Using risk-reward structures to reckon with uncertainty. In R. Hertwig, T. J. Pleskac, T. Pachur, & The Center for Adaptive Rationality, *Taming uncertainty* (pp. 51-70). MIT Press.
- Spiliopoulos, L., & Hertwig, R. (2019). Strategic uncertainty and incomplete information: The homo heuristicus does not fold. In R. Hertwig, T. J. Pleskac, T. Pachur, & The Center for Adaptive Rationality, *Taming uncertainty* (pp. 89-110). MIT Press.

- van den Bos, W., Laube, C., & Hertwig, R. (2019). How the adaptive adolescent mind navigates uncertainty. In R. Hertwig, T. J. Pleskac, T. Pachur, & The Center for Adaptive Rationality, *Taming uncertainty* (pp. 305-324). MIT Press.
- Wulff, D. U., & Hertwig, R. (2019). Uncovering the anatomy of search without technology. In M. Schulte-Mecklenbeck, A. Kühberger, & J. G. Johnson (Eds.), *A handbook of process tracing methods* (2nd ed., pp. 313-325). Routledge.
- Wulff, D. U., Markant, D., Pleskac, T. J., & Hertwig, R. (2019). Adaptive exploration: What you see is up to you. In R. Hertwig, T. J. Pleskac, T. Pachur, & The Center for Adaptive Rationality, *Taming uncertainty* (pp. 131-152). MIT Press.

2018

- Hertwig, R. (2018). Die Bedeutung von beschreibungsbasiertem versus erfahrungsbasiertem Risikoverhalten für die Arzneimitteltherapiesicherheit. In D. Grandt, V. Lappe, & I. Schubert (Eds.), *Arzneimittelreport 2018* (pp. 154-159). Barmer.

2017

- Hertwig, R., & Frey, R. (2017). How representations of knowledge shape our actions. In P. Meusburger, B. Werlen, & L. Suarsana (Eds.), *Knowledge and action (Knowledge and space Vol. 9)* (pp. 127-143). Springer.
https://doi.org/10.1007/978-3-319-44588-5_8
- Hertwig, R., & Hills, T. T. (2017). The evolutionary limits of enhancement. In R. Ter Meulen, A. D. Mohamed, & W. Hall (Eds.), *Rethinking cognitive enhancement* (pp. 179-192). Oxford University Press.

2016

- Coall, D. A., Hilbrand, S., Sear, R., & Hertwig, R. (2016). A new niche? The theory of grandfather involvement. In A. Buchanan & A. Rotkirch (Eds.), *Grandfathers: Global perspectives* (pp. 21-44). Palgrave Macmillan.
https://doi.org/10.1057/978-1-137-56338-5_2
- Hertwig, R. (2016). Ethik und Heuristiken: Eine komplexe Beziehung. In P. Aerni, K.-J. Grün, & I. Kummert (Eds.), *Schwierigkeiten mit der Moral: Ein Plädoyer für eine neue Wirtschaftsethik* (pp. 139-152). Springer.
- Todd, P. M., Hertwig, R., & Hoffrage, U. (2016). Evolutionary cognitive psychology. In D. M. Buss (Ed.), *The Handbook of Evolutionary Psychology: Vol. 2. Integrations* (2nd ed., pp. 885-903). Wiley.

2015

- Hertwig, R. (2015). Decisions from experience. In G. Keren & G. Wu (Eds.), *The Wiley Blackwell Handbook of Judgment and Decision Making* (Vol. 1, pp. 239-267). Wiley Blackwell.
- Hertwig, R., & Frey, R. (2015). The challenge of the description-experience gap to the communication of risks. In H. Cho, T. O. Reimer, & K. A. McComas (Eds.), *The SAGE Handbook of Risk Communication* (pp. 24-40). Sage.

Hertwig, R., & Pachur, T. (2015). Heuristics, History of. In J. D. Wright, *The International Encyclopedia of the Social & Behavioral Sciences* (2nd ed.), Vol. 10 (pp. 829-835). Elsevier.

2014

Hertwig, R. (2014). Living on the volcano: How people reckon with risks. In *Max Planck Society (2014), Annual Report 2013* (pp. 19–22).
https://www.mpg.de/8236616/Jahresbericht_2013.pdf

2013

Hertwig, R., Buchan, H., Davis, D. A., Gaissmaier, W., Härter, M., Kolpatzik, K., Légaré, F., Schmacke, N., & Wormer, H. (2013). Wie werden Gesundheitsfachkräfte und Patienten im Jahr 2020 zusammenarbeiten? Ein Manifest für den Wandel. In G. Gigerenzer & J. A. Muir Gray (Eds.), *Bessere Ärzte, bessere Patienten, bessere Medizin: Aufbruch in ein transparentes Gesundheitswesen (Strüngmann Forum Reports)* (pp. 325-347). Medizinisch Wissenschaftliche Verlagsgesellschaft.

Hertwig, R., Fischbacher, U., & Bruhin, A. (2013). Simple heuristics in a social game. In R. Hertwig, U. Hoffrage, & the ABC Research Group, *Simple heuristics in a social world* (pp. 39-65). Oxford University Press.

<https://doi.org/10.1093/acprof:oso/9780195388435.001.0001>

Hertwig, R., & Hoffrage, U. (2013). Simple heuristics: The foundations of adaptive social behavior. In R. Hertwig, U. Hoffrage, & the ABC Research Group, *Simple heuristics in a social world* (pp. 3-36). Oxford University Press.

<https://doi.org/10.1093/acprof:oso/9780195388435.001.0001>

Herzog, S. M., & Hertwig, R. (2013). The ecological validity of fluency. In C. Unkelbach & R. Greifeneder (Eds.), *The experience of thinking: How the fluency of mental processes influences cognition and behavior* (pp. 190-219). Psychology Press.

Pachur, T., Hertwig, R., & Rieskamp, J. (2013). The mind as an intuitive pollster: Frugal search in social spaces. In R. Hertwig, U. Hoffrage, & the ABC Research Group, *Simple heuristics in a social world* (pp. 261-291). Oxford University Press.

<https://doi.org/10.1093/acprof:oso/9780195388435.001.0001>

Reimer, T., Hertwig, R., & Sipek, S. (2013). Probabilistic persuasion: A Brunswikian theory of argumentation. In R. Hertwig, U. Hoffrage, & the ABC Research Group, *Simple heuristics in a social world* (pp. 103-134). Oxford University Press.

<https://doi.org/10.1093/acprof:oso/9780195388435.001.0001>

2012

Hertwig, R., Hoffrage, U., & Sparr, R. (2012). How estimation can benefit from an imbalanced world. In P. M Todd, G. Gigerenzer & the ABC Research Group, *Ecological rationality: Intelligence in the world* (pp. 379-406). Oxford University Press.

Hoffrage, U., & Hertwig, R. (2012). Simple heuristics in a complex social world. In J. I. Krueger (Ed.), *Social judgment and decision making* (pp. 135-150). Psychology Press.

Schooler, L. J., Hertwig, R., & Herzog, S. (2012). How smart forgetting helps heuristic inference. In P. M Todd, G. Gigerenzer & the ABC Research Group, *Ecological rationality: Intelligence in the world* (pp. 144-166). Oxford University Press.

2011

Gigerenzer, G., Hertwig, R., & Pachur, T. (2011). Introduction. In G. Gigerenzer, R. Hertwig, & T. Pachur (Eds.), *Heuristics: The foundations of adaptive behavior* (pp. XVII-XXIII). Oxford University Press.

Hertwig, R., Buchan, H., Davis, D. A., Gaissmaier, W., Härter, M., Kolpatzik, K., Légaré, F., Schmacke, N., & Wormer, H. (2011). How will health care professionals and patients work together in 2020? A manifesto for change. In G. Gigerenzer & J. A. Muir Gray (Eds.), *Better doctors, better patients, better decisions: Envisioning health care 2020* (pp. 317-337). MIT Press.

2010

Brandstätter, E., Hertwig, R., & Gußmack, M. (2010). Entscheiden unter Risiko: Von Bernoulli zu kognitiven Heuristiken. In J. Behnke, T. Bräuninger, & S. Shikano (Eds.), *Jahrbuch für Handlungs- und Entscheidungstheorie: Vol. 6. Schwerpunkt Neuere Entwicklungen des Konzepts der Rationalität und ihre Anwendungen* (pp. 101-123). VS Verlag für Sozialwissenschaften.

Conference Proceedings

2020

Hertwig, R. (2020). How to improve risk literacy. In B. Siegmund & B. Friedrich (Eds.), *Crossing boundaries in science: The mystery of risks - how can science help reconcile perception and assessment? Documentation of the conference held by the Joint Committee on the Handling of Security-Relevant Research, 4–6 July 2019, Potsdam, Germany* (pp. 154–162). German National Academy of Sciences Leopoldina.

2019

Pothos, E. M., Busemeyer, J. R., Pleskac, T. J., Yearsley, J. M., Tenenbaum, J. B., Goodman, N. D., Tessler, M. H., Griffiths, T. L., Lieder, F., Hertwig, R., Pachur, T., Leuker, C., & Shiffrin, R. M. (2019). Extending rationality. In A. K. Goel, C. M. Seifert, & C. Freksa (Eds.), *Proceedings of the 41st Annual Conference of the Cognitive Science Society* (pp. 39-40). Cognitive Science Society.

2017

Leuker, C., Pleskac, T. J., Pachur, T., & Hertwig, R. (2017). How the mind exploits risk-reward structures in decisions under risk. In G. Gunzelmann, A. Howes, T. Tenbrink, & E. Davelaar (Eds.), *Proceedings of the 39th Annual Conference Cognitive Science Society* (pp. 2543-2548). Cognitive Science Society.

Schepens, J. J., Hertwig, R., & van den Bos, W. (2017). Aging of the exploring mind: Older adults deviate more from optimality in complex choice environments. In G. Gunzelmann, A. Howes, T. Tenbrink, & E. Davelaar (Eds.), *Proceedings of the 39th Annual Meeting of the Cognitive Science Society* (pp. 3082-3087). Cognitive Science Society.

Schulze, C., Pachur, T., & Hertwig, R. (2017). How does instance-based inference about event frequencies develop? An analysis with a computational process model. In G. Gunzelmann, A. Howes, T. Tenbrink, & E. Davelaar (Eds.), *Proceedings of the 39th Annual Conference Cognitive Science Society* (pp. 1053-1058). Cognitive Science Society.

2015

Markant, D., Pleskac, T. J., Diederich, A., Pachur, T., & Hertwig, R. (2015). Modeling choice and search in decisions from experience: A sequential sampling approach. In R. Dale, C. Jennings, P. Maglio, T. Matlock, D. Noelle, A. Warlaumont, & J. Yoshimi (Eds.), *Proceedings of the 37th Annual Conference of the Cognitive Science Society: Mind, technology, and society* (pp. 1512-1517). Cognitive Science Society.

2014

Fleischhut, N., Artinger, F., Olschewski, S., Volz, K. G., & Hertwig, R. (2014). Sampling of social information: Decisions from experience in bargaining. In P. Bello, M. Guarini, M. McShane, & B. Scassellati (Eds.), *Proceedings of the 36th Annual Conference of the Cognitive Science Society* (pp. 1048-1053). Cognitive Science Society.

2013

Suter, R., Pachur, T., & Hertwig, R. (2013). How does prospect theory reflect heuristics' probability sensitivity in risky choice? In M. Knauff, M. Pauen, N. Sebanz, & I. Wachsmuth (Eds.), *Cooperative minds: Social interaction and group dynamics. Proceedings of the 35th Annual Conference of the Cognitive Science Society* (pp. 1408-1413). Cognitive Science Society.

Wulff, D. U., Hills, T. T., & Hertwig, R. (2013). Worm holes in memory: Is memory one representation or many? In M. Knauff, M. Pauen, N. Sebanz, & I. Wachsmuth (Eds.), *Cooperative minds: Social interaction and group dynamics. Proceedings of the 35th Annual Conference of the Cognitive Science Society* (pp. 3817-3822). Cognitive Science Society.

2012

Woike, J. K., Hoffrage, U., & Hertwig, R. (2012). Estimating quantities: Comparing simple heuristics and machine learning algorithms. In A. E. P. Villa, W. Duch, P. Érdi, F. Masulli, & G. Palm (Eds.), *Artificial neural networks and machine learning: ICANN 2012. 22nd International Conference on Artificial Neural Networks, Lausanne, Switzerland, September 11-14, 2012. Proceedings* (Vol. 2, pp. 483–490). Springer. https://doi.org/10.1007/978-3-642-33266-1_60

Wulff, D. U., Hills, T. T., & Hertwig, R. (2012). Adaptive information search and decision making over single and repeated plays. In N. Miyake, D. Peebles, & R. P. Cooper (Eds.), *Building bridges across cognitive sciences around the world: Proceedings of the 34th Annual Conference of the Cognitive Science Society* (pp. 1167-1172). Cognitive Science Society.

Policy Reports

Nationale Akademie der Wissenschaften Leopoldina (Members of the MPIB: Ralph Hertwig, Philipp Lorenz-Spreen). (2021). Digitalisierung und Demokratie: [Stellungnahme]. Nationale Akademie der Wissenschaften Leopoldina [Retrieved June 16, 2021, from <https://www.leopoldina.org/publikationen/detailansicht/publication/digitalisierung-und-demokratie-2021/>].

Nationale Akademie der Wissenschaften Leopoldina (Member of the MPIB: Ralph Hertwig). (2020). *Coronavirus-Pandemie in Deutschland: Herausforderungen und Interventionsmöglichkeiten. [1. Ad-hoc-Stellungnahme]*. Nationale Akademie der Wissenschaften Leopoldina [Retrieved February 11, 2021, from <https://www.leopoldina.org/publikationen/detailansicht/publication/coronavirus-pandemie-in-germany-challenges-and-options-for-intervention-2020/>]. (English translation: *Coronavirus pandemic in Germany: Challenges and options for intervention*. Halle (Saale): Nationale Akademie der Wissenschaften Leopoldina, 2020).

Nationale Akademie der Wissenschaften Leopoldina (Member of the MPIB: Ralph Hertwig). (2020). *Zweite Ad-hoc-Stellungnahme: Coronavirus-Pandemie - Gesundheitsrelevante Maßnahmen*. Nationale Akademie der Wissenschaften Leopoldina [Retrieved February 11, 2021, from <https://www.leopoldina.org/en/publications/detailview/publication/coronavirus-pandemie-gesundheitsrelevante-massnahmen-2020/>]. (English translation: *2nd Ad-hoc-statement: Coronavirus pandemic - measures relevant to health*. Halle (Saale): Nationale Akademie der Wissenschaften Leopoldina, 2020).

Nationale Akademie der Wissenschaften Leopoldina (Members of the MPIB: Ute Frevert, Ralph Hertwig). (2020). *Coronavirus-Pandemie: Wirksame Regeln für Herbst und Winter aufstellen. [6. Ad-hoc-Stellungnahme]*. Nationale Akademie der Wissenschaften Leopoldina [Retrieved February 11, 2021, from <https://www.leopoldina.org/publikationen/detailansicht/publication/coronavirus-pandemie-wirksame-regeln-fuer-herbst-und-winter-aufstellen-2020/>]. (English translation: *Coronavirus pandemic: Establishing effective rules for autumn and winter*. Halle (Saale): Nationale Akademie der Wissenschaften Leopoldina, 2020).

Nationale Akademie der Wissenschaften Leopoldina (Members of the MPIB: Ute Frevert, Ralph Hertwig). (2020). *Coronavirus-Pandemie: Die Feiertage und den Jahreswechsel für einen harten Lockdown nutzen. [7. Ad-hoc-Stellungnahme]*. Nationale Akademie der Wissenschaften Leopoldina [Retrieved February 11, 2021, from <https://www.leopoldina.org/en/publications/detailview/publication/coronavirus-pandemie-die-feiertage-und-den-jahreswechsel-fuer-einen-harten-lockdown-nutzen-2020/>].

- (English translation: *Coronavirus pandemic: Use the end of year holidays to impose a strict lockdown*. Halle (Saale): Nationale Akademie der Wissenschaften Leopoldina, 2020)
- Kozyreva, A., Herzog, S., Lorenz-Spreen, P., Hertwig, R., & Lewandowsky, S. (2020). *Artificial intelligence in online environments: Representative survey of public attitudes in Germany*. Max Planck Institute for Human Development. <https://doi.org/10.17617/2.3188061>
- Kozyreva, A., Herzog, S., Lorenz-Spreen, P., Hertwig, R., & Lewandowsky, S. (2020). *Künstliche Intelligenz in Online-Umgebungen: Repräsentative Umfrage zur öffentlichen Meinung in Deutschland*. Max-Planck-Institut für Bildungsforschung. <https://doi.org/10.17617/2.3190264>
- Leuker, C., Hertwig, R., Gumenik, K., Eggeling, L. M., Hechtlinger, S., Kozyreva, A., Samaan, L., & Fleischhut, N. (2020). *Wie informiert sich die Bevölkerung in Deutschland rund um das Coronavirus? Umfrage zu vorherrschenden Themen und Gründen, dem Umgang mit Fehlinformationen, sowie der Risikowahrnehmung und dem Wissen der Bevölkerung rund um das Coronavirus*. Max-Planck-Institut für Bildungsforschung. <https://doi.org/10.17617/2.3247925>
- Lewandowsky, S., Smillie, L., Garcia, D., Hertwig, R., Weatherall, J., Egidy, S., Robertson, R. E., O'Connor, C., Kozyreva, A., Lorenz-Spreen, P., Blaschke, Y., & Leiser, M. (2020). *Technology and democracy: Understanding the influence of online technologies on political behaviour and decision-making* JRC Science for Policy Report. Publications Office of the European Union. <https://doi.org/10.2760/709177>
- Fiedler, K., Hauner, H., Hertwig, R., Huber, G., Mata, J., Rösler, F., Roosen, J., Stroebe, W., & von Braun, J. (2019). *Übergewicht und Adipositas: Thesen und Empfehlungen zur Eindämmung der Epidemie*. Nationale Akademie der Wissenschaften Leopoldina, 22.

Policy Consulting

- | | |
|--------------|--|
| 2020 | Nationale Akademie der Wissenschaften Leopoldina (Members of the MPIB: Ute Frevert, Ralph Hertwig, Karl Ulrich Mayer). Ad-hoc-Statements on the coronavirus pandemic. |
| 2020 | Invited Expert for Project “Meaningful and ethical Communications” (European Commission, Joint Research Center) |
| 2018 | Invited Expert for Project “Enlightenment 2.0” (European Commission, Joint Research Center) |
| 2017–present | Member of the Working Group “Digitization and Democracy”, Deutsche Akademie der Wissenschaften Leopoldina (German National Academy of Sciences) |
| 2016–present | Member of the Scientific Commission “Individual Action – societal consequences”, Deutsche Akademie der Wissenschaften Leopoldina (German National Academy of Sciences) |

Keynote and Distinguished Lectures (as of 2010)

- Hertwig, R. (January 2024). Empowering citizens with behavioral science. London

- School of Economics, Department of Social Policy, London, UK.
- Hertwig, R. (November 2023). Why people choose deliberate ignorance in times of societal transformation. IAS conference "Interdisciplinarity in Research", University of Luxembourg, Institute for Advanced Studies, Luxembourg.
- Hertwig, R. (November 2023). Kritisches Ignorieren als neue Kernkompetenz in einer Welt der Aufmerksamkeitsökonomie. FACE Lecture, University of Freiburg, Germany.
- Hertwig, R. (July 2023). Gutes Entscheiden: Mehr Können als Kunst. Institut für Ökonomische Bildung, PH Ludwigsburg, Germany.
- Hertwig, R. (July 2022). Change! Yes, but how?, International Rationality Summer Institute 2022, Butenschoenhaus, Landau, Germany.
- Hertwig, R. (March 2022). Boost: Improving decisions about our well-being. Behavioural Science Summit, University of Warwick, UK, virtual.
- Hertwig, R. (November 2021). How Behavioral Sciences Can Promote Truth, Autonomy, and Democratic Discourse Online. Psychology Department Colloquium, Columbia University and Barnard College, USA, virtual.
- Hertwig, R. (Oktober 2021). Fake News, Lügen und andere Gefahren. Opening lecture of the series "Wahrhaft Lügen. Wann Täuschung und Sabotage nützlich sind", Junges Kolleg Greifswald, Germany, virtual.
- Hertwig, R. (October 2021). Confronting Digital Challenges with Cognitive Tools, Workshop "Belief Polarization", University of Tübingen, virtual.
- Hertwig, R. (June 2021). How experience shapes decisions. Economic Decision-Making: Perspectives from Economics, History and Psychology, SPP 1859 Annual meeting 2021, DFG (German Research Foundation), virtual.
- Hertwig, R. (May 2021). Boosting good decisions. Behavioural Transformations in the 21st century: Novel ways to behavioural public policy more effective, London School of Economics, Department of Geography and Environment, UK.
- Hertwig, R. (January 2021). Deliberate ignorance: The enigma of choosing not to know. Bjørn Christiansens memorial lecture, University of Bergen, Department of Psychosocial Science, Norway.
- Hertwig, R. (October 2020). Nudging and boosting: Two paths toward better financial decisions. International Seminar "Financial Education and Risk Literacy", Herbert Simon Society in collaboration with Bank of Italy, Italy.
- Hertwig, R. (January 2020). Boosting and nudging and the science of engineering good decisions. TAPMI-Max Planck-Chinese Academy Winter School on Bounded Rationality, T A Pai Management Institute (TAPMI), Manipal, India.
- Hertwig, R. (January 2020). Taming Uncertainty. 10th CFA Society India Investment Conference, CFA Institute, Mumbai, India.
- Hertwig, R. (October 2019). Behavioural Science in the Wild: Nudging and Boosting in Public Policy. Social Psychology and Community Psychology in Norway – 20th Anniversary, UiT The Arctic University of Norway, Norway.
- Hertwig, R. (April 2019). Implications of PR perspective: Autonomy & empathy in public policy. Prompted Rationality Seminar: Bridging science, design and policy in promoting autonomous choice for societal benefits, Utrecht University, The Netherlands.
- Hertwig, R. (January 2019). The Homo Heuristicus and the World of Food. 2nd Winter Workshop "Behavioral and Experimental Economics of Food Consumption", INRA-GAEL, Université Grenoble, Aussois, France.
- Hertwig, R. (January 2019). Experience and Description: Exploring Two Paths to Knowledge. German Primate Center, Department of Cognitive Ethology,

- University of Göttingen, Germany.
- Hertwig, R. (December 2018). Heuristics Can Withstand Environmental and Strategic Uncertainty. Herbert Simon Society International Conference "Heuristics in Organizations and Society", Collegio Carlo Alberto, Turin, Italy.
- Hertwig, R. (December 2018). How to Change Behavior and Preserve Agency. Herbert Simon Honorary Lecture, Turin, Italy.
- Hertwig, R. (December 2018). Is Risk Literacy a Pipe Dream? 2nd International Workshop on Financial Education and Risk Literacy: BeFairly-Behavioral Financial Regulation and Policy. Bank of Italy & Herbert Simon Society, Rome, Italy.
- Hertwig, R. (December 2018). Nudging and Boosting: Two Ways to Change Behavior. Colloquium "Oltre il Nudge: Le scienze comportamentali per la libertà ed il benessere dei cittadini", University of Milano-Bicocca, Milan, Italy.
- Hertwig, R. (November 2018). Nudging and boosting: Steering or empowering good decisions? Center for Advanced Studies LMU, Munich, Germany.
- Hertwig, R. (October 2018). Nudging and Boosting: Two Ways To Change Behavior. Conference New Directions in Psychology of Behavior Change. Behavioral Science Institute, Radboud University, Nijmegen, Netherlands.
- Hertwig, R. (October 2018). Einfache Entscheidungsregeln für eine komplexe Welt. NeuroForum 2018, Goethe University Frankfurt, Germany.
- Hertwig, R. (October 2018). Was hat die Entscheidungspsychologie zur AMTS zu sagen. Erfahrungs- versus beschreibungsbasiertes Entscheiden. 5. Deutscher Kongress für Patientensicherheit bei medikamentöser Therapie, Berlin, Germany.
- Hertwig, R. (July 2018). Human Rationality: Three Gaps And No Funeral. EADM Summer School 2018, University of Salzburg, Austria.
- Hertwig, R. (May 2018). In the Beginning Was Experience - Not the Word. Lecture series: Political Psychology. Explaining Political Behaviour and Identity. Bamberg Graduate School of Social Sciences, Bamberg, Germany
- Hertwig, R. (April 2018). Wie die Verhaltenswissenschaften Verhalten verändern - zur aktuellen Diskussion. Jahresversammlung der Hochschulrektorenkonferenz, University of Mannheim, Germany.
- Hertwig, R. (March 2018). Einfache Regeln für eine komplexe Welt – Wie Familien und Ärzte bei ungewissen Datenlagen zu einer gemeinsamen Behandlungsentscheidung kommen. 16. Tagung des bundesweiten Behandlungsnetzwerks HIT, Deutsche Kinderkrebsstiftung, Augsburg, Germany.
- Hertwig, R. (February 2018). Wie entscheiden Menschen eigentlich? Deutsche Gesellschaft für Thorax-, Herz- und Gefäßchirurgie (DGTHG). 47. Jahrestagung der DGHTG & 50. Jahrestagung der Deutschen Gesellschaft für Pädiatrische Kardiologie, Leipzig, Germany.
- Hertwig, R. (December 2017). Boosting versus Nudging: Two distinct ways to harness behavioral insights. Deutsche Gesellschaft für Ökonomische Bildung (degöb)—Nachwuchsforum. Hamburg, 2017.
- Hertwig, R. (August 2017). Preferential heuristics, uncertainty and the structure of the environment. TIBER 2017 Symposium on Psychology and Economics, Tilburg University, Netherlands.
- Hertwig, R. (October 2016). Nudge or boost? Fourth international workshop "Behavioral economics nudges and heuristics for public policies". Herbert Simon Society. Campus Luigi Einaudi, Turin, Italy.
- Hertwig, R. (July 2016). How risk preferences develop across the life span. Second

- workshop on Social and Biological Roots of Economics (SBREW), Institute for the World Economy, Kiel, Germany.
- Hertwig, R. (July 2016). Nudging versus boosting: The case of statistical and risk literacy. IASE 2016 Roundtable Conference: "Promoting understanding of statistics about society". Berlin, Germany.
- Hertwig, R. (June 2016). Beyond nudging: How to boost medical decision-making. 16th Biennial European Conference (ESMDM). London, UK.
- Hertwig, R. (July 2015). Reckoning with uncertainty: Learning to discern and adapt to the obscure. 48th. Annual Meeting of the Society for Mathematical Psychology. Newport Beach, California.
- Hertwig, R. (June 2015). Navigating the twilight of uncertainty: Decision from experience. Causal and probabilistic reasoning conference. Munich Center for Mathematical Philosophy. Munich, Germany.
- Hertwig, R. (April 2015). How to look under the hood. Annual Meeting of the European Group of Process Tracing Studies. Berlin.
- Hertwig, R. (February 2015). How we reckon with risk. International workshop "Genetic risk information: Addressing new challenges". Kassel, Germany.
- Hertwig, R. (September 2014). How simple strategies can explain 'good' and 'bad' behavior. Conference on "Deceit, trust and commitment: Which type of ethics mediates between society and the economy?" University of Zurich, Switzerland.
- Hertwig, R. (September 2014). Lernen im Zwielficht der Ungewissheit. Jahrestagung der Gesellschaft für empirische Wirtschaftsforschung e.V. Passau, Germany.
- Hertwig, R. (July 2014). Learning in the Gloom of Uncertainty. The 2nd International Symposium on Decision Making and Brain Research, Beijing, China.
- Hertwig, R. (July 2014). Learning in the Gloom of Uncertainty. The 16th conference on the Foundations of Utility and Risk. FUR 2014. Erasmus Universiteit Rotterdam, Rotterdam, The Netherlands.
- Hertwig, R. (2013). Warum sind wir nicht schon schlauer?. Evolutionäre Trade-offs und Gehirndoping. DGPPN Kongress 2013, Berlin, Germany.
- Hertwig, R. (September 2013). Simple heuristics in a social world? 13th Biannual Congress of the Swiss Psychological Society, University of Basel, Switzerland.
- Hertwig, R. (August 2013). Simple heuristics in a social world. 24th Subjective Probability, Utility, and Decision Making Conference (SPUDM 24). IESE Business School, University of Navarra, Barcelona, Spain.
- Hertwig, R. (April 2013). Organ donation and the art of making decisions. 3rd ELPAT Congress (Ethical, Legal and Psychosocial Aspects of Transplantation). Beurs-WTC, Rotterdam, The Netherlands.
- Hertwig, R. (September 2012). The communication of risks in a world in global change. Annual assembly of the Leopoldina 2012, Berlin, Germany.
- Hertwig, R. (May 2012). Nothing is certain except death and taxes: Learning to live with risks. 8th Symposium for Dental Hygiene, Münster, Germany.
- Hertwig, R. (September 2011). The psychology and rationality of decisions from experience. Formal Epistemology meets experimental philosophy conference. The Tilburg Center for Logical and Philosophy of Science, Tilburg, The Netherlands.
- Hertwig, R. (July 2011). Simple heuristics in a social world. Game theory and Society. ETH Zürich, Switzerland.
- Hertwig, R. (May 2011). Nothing is certain except death and taxes: Learning to live with risks. Conference of the Swiss Dental Association, Luzern, Switzerland.

Invited Presentations

- Hertwig, R. (February 2024). Warum Expert*innen und Bürger*innen Risiken häufig ganz unterschiedlich bewerten? National Academy of Science and Engineering acadtech, Germany, virtual.
- Hertwig, R. & Reijula, S. (December 2023). Self-nudging and the citizen choice architect: DIY in Behaviour Change. Conference „Research Handbook on Nudges and Society“, Cambridge Judge Business School, UK.
- Hertwig, R. (March 2024). Deliberate ignorance during societal transformation: The unread Stasi files. University of Bristol, School of Psychological Science, Bristol, UK.
- Hertwig, R. (February 2023). Barriers to action: Human psychology and beyond. 8th kick-off event "Basic research and shaping the future" on the topic "The climate crisis as a societal challenge - why is knowledge not translated into action?". Max Planck Society, Berlin, Germany.
- Hertwig, R. (January 2023). Corona and beyond: Antisystem attitudes, conspiracy mentality, and misinformation. 12th meeting of the Pediatric University Teachers' Convention, Dresden, Germany.
- Hertwig, R. (February 2022). A description-experience framework of the psychology of risk. Decisions, Experience and Behavior (DEB) Virtual Seminar Series, Technion and University of Haifa, Israel (virtual).
- Hertwig, R. (January 2022). Behavioral insights beyond nudging—fostering competences with boosts. Leuphana, Lüneburg, Germany (virtual).
- Hertwig, R. (February 2021). Experimenting with rationality. University College London, Affective Brain Lab, London, UK (virtual).
- Hertwig, R. (January 2021). Fitmachen fürs Netz. Mit Boosting zu einem besseren Internet? Max-Planck-Gesellschaft in cooperation with City Lab Berlin, Germany (virtual).
- Hertwig, R. (December 2020). Experimenting with intelligence. Excellence cluster Science of Intelligence, Technische Universität Berlin, Germany (virtual).
- Hertwig, R. (November 2020). How Experimental Methods Shaped Views on Human Competence and Rationality. Bilkent University, Ankara, Turkey.
- Hertwig, R. (November 2020). How Experimental Methods Shaped Views on Human Competence and Rationality. One World Cognitive Psychology Seminar, University of Mannheim, Germany.
- Hertwig, R. (July 2019). How to boost competences to reckon with risk. Leopoldina Conference: Crossing Boundaries in Science. The mystery of risks - How can science help reconcile perception and assessment? Potsdam, Germany.
- Hertwig, R. (June 2019). How to make good decisions. Max Planck Institute for Plasma Physics, Garching, Germany.
- Hertwig, R. (August 2018). The role of "architecture" in good decisions. Department of Architecture, ETH Zurich, Zurich, Switzerland.
- Hertwig, R. (June 2018). Nudging and Boosting: Two Ways to Harness the Powers of a Boundedly Rational Brain. Leopoldina Symposium: Brain Power for Sustainable Development. Leopoldina, Berlin, Germany.

- Hertwig, R. (May 2018). In the Beginning Was Experience - Not the Word. Lecture series: Political Psychology. Explaining Political Behaviour and Identity. Bamberg Graduate School of Social Sciences, Bamberg, Germany.
- Hertwig, R. (February 2018). Digitalisierung und die Folgen für das Individuum und die Gesellschaft. Deutsche Bundesbank, Frankfurt, Germany.
- Hertwig, R. (January 2018). Zur Psychologie des Gewollten Nichtwissens. University of Hamburg, Germany
- Hertwig, R. (December 2017). Wie entscheiden wir gut: allein oder gemeinsam, heuristisch oder rational, Bauch oder Kopf? DFG Fachkollegien-Sprechertagung 2017, Bad Honnef, Germany.
- Hertwig, R. (December 2017). Bedeutung der Entscheidungspsychologie für die Arzneimitteltherapiesicherheit: Erfahrungsbasiertes versus beschreibungsbasiertes Entscheiden. Mitgliederversammlung der Arzneimittelkommission der deutschen Ärzteschaft, Berlin, Germany
- Hertwig, R. (August 2017). Heuristic choice and the structure of the environment. 26th Subjective Probability, Utility, and Decision Making Conference (SPUDM 26). Technion, Israel Institute of Technology, Haifa, Israel.
- Hertwig, R. (February 2017). Nudge or boost: Policy interventions that behavioral science evidence supports. Computational Social Science and Collective Behaviour Initiative. University of Konstanz, Germany.
- Hertwig, R. (January 2017). Simple heuristics for a complex world. 5th Risk Center Dialogue Event on "Decision-making in complex environments: From humans to machines". ETH Zurich, Switzerland.
- Hertwig, R. (November 2016). Nudge or Boost? Regulatory Policy Committee Meeting, OECD. Paris, France.
- Hertwig, R. (November 2016). Why psychologists are obsessed with Linda. Center for General Linguistics (ZAS), Berlin, Germany.
- Hertwig, R. (October 2016). Ecologically Rational Choice and the Structure of the Environment. International Conference "Herbert Simon: The genius of simplicity and boundedness". Herbert Simon Society. Campus Luigi Einaudi, Turin, Italy.
- Hertwig, R. (May 2016). The homo ignorans: Deliberating choosing not to know. Department of Economics and Business Economics. Aarhus University, Denmark.
- Hertwig, R. (April 2016). Hindernisse auf dem Weg zu einer erfolgreichen Risikokommunikation. German Advisory Council on Global Change (Wissenschaftlichen Beirat der Bundesregierung Globale Umweltveränderungen). Berlin, Germany.
- Hertwig, R. (April 2016). Das gewollte Nichtwissen oder möchten Sie wissen, wann Sie sterben werden?. Steirische Gesellschaft für Psychologie. University of Graz, Austria.
- Hertwig, R. (March 2016). Deliberate Ignorance. SPP1516 - 4th Annual Meeting of Priority Programme „New Frameworks of Rationality“. Schloss Etelsen, Germany.
- Hertwig, R. (March 2016). Boosting statt Nudging – was ist die bessere Alternative?. 4. Kadener Gespräch, Stiftung Marktwirtschaft. Gut Kaden, Alveslohe, Germany.

- Hertwig, R. (November 2015). Reckoning with Uncertainty. Senior Academic Seminar, School of Economics. The University of Nottingham, UK.
- Hertwig, R. (November 2015). Entscheiden im Zwielficht der Unsicherheit. Leopoldina-Symposium. Der Umgang mit Risiken: Eine Herausforderung für die Politik. Vertretung des Landes Sachsen-Anhalt, Berlin, Germany.
- Hertwig, R. (November 2015). The homo ignorans: Deliberately choosing not to know. International Workshop on Interdisciplinary Perspectives on Decision Making. Wissenschaftszentrum Berlin für Sozialforschung und Freie Universität, Berlin, Germany.
- Hertwig, R. (April 2015). Simple heuristics in a social world. Department of Cognitive Science Colloquium. Central European University, Budapest, Hungary.
- Hertwig, R. (April 2015). How to make good decisions. AIG Data Science Seminar. New York, USA.
- Hertwig, R. (March 2015). Rivals in the dark: How competition influences search in decisions under uncertainty. Minerva workshop on alarms, rare events and predictions. Technion, Haifa, Israel.
- Hertwig, R. (December 2014). Lernen im Zwielficht der Ungewissheit. Colloquium, Department of Psychology, Technical University, Chemnitz, Germany.
- Hertwig, R. (April 2014). Was macht uns Angst und warum Leopoldina & Robert Bosch Stiftung. Tauchgänge in die Wissenschaft 2013-2015 (Seminar 2. Warum wir neue Energie brauchen -- und welche). Potsdam, Germany.
- Hertwig, R. (February 2014). Simple heuristics in a social world. Colloquium series of the department of general psychology. University of Jena, Germany.
- Hertwig, R. (January 2014). Decisions from Experience: What we have learned. Learning, bounded rationality, and decisions. Three related workshops, and a winter school. Haifa, Israel.
- Hertwig, R. (November 2013). Simple heuristics in a social world. Visiting speaker series 2013 "Decision-making Research". University of Bristol, UK.
- Hertwig, R. (June 2013). The psychology of decisions from experience. 9th Triennial Choice Symposium 2013 Erasmus School of Economics (ESE). Noordwijk, The Netherlands.
- Hertwig, R. (May 2013). The psychology of decisions from experience. 25th Annual Convention 2013 of the Association for Psychological Science (APS). Washington, DC, USA.
- Hertwig, R. (February 2013). Decisions from experience. Annual Conference 2013 on Accounting Research: Diversity within Unity. Frankfurt/Main, Germany.
- Hertwig, R. (July 2012). The psychology and rationality of decisions from experience. Colloquium Social psychology and Methodology, Department of Psychology, University of Freiburg, Germany.
- Hertwig, R. (April 2012). The psychology of decisions from experience. Public seminar at the Department of Psychology, Uppsala University, Sweden.
- Hertwig, R. (November 2011). Fear, risks and (good) decisions. Lecture series "Hörsaal City". Ruhr University Bochum, Germany.
- Hertwig, R. (October 2011). The psychology and rationality of decisions from experience. Seminar at the Nuffield Centre for Experimental Social Sciences, University of Oxford, UK.
- Hertwig, R. (November 2010). Decisions from experience: learning from small samples. Workshop on Learning, decision making, and evolutionary theory: Can we bridge the gap? Kfar Blum, Israel.

- Hertwig, R. (November 2010). Decisions from experience: The scope and policy of search. Workshop on Experience, heuristics and choice: Prospects for bounded rationality. Center for Formal Epistemology, Carnegie Mellon University, Pittsburgh, PA, USA.
- Hertwig, R. (November 2010). Simple heuristics in a social world. Seminar Series at the Center for Behavioral Decision Research at Carnegie Mellon University, Pittsburgh, PA, USA.
- Hertwig, R. (June 2010). How representations of knowledge shape our actions. Symposium Knowledge and Action. University of Heidelberg, Germany.
- Hertwig, R. (June 2010). Simple heuristics in a social world. Colloquium of 'Giessener Abendgespräche Kognition und Gehirn'. Justus-Liebig University Giessen, Germany.
- Hertwig, R. (May 2010). Social heuristics that make us smart. Colloquium of the Tilburg Center for Logic and Philosophy of Science, Tilburg, The Netherlands.
- Hertwig, R. (March 2010). Tools of social rationality. Institute colloquium of the Max Planck Institute for Human Development, Berlin, Germany.

Organization of Workshops, Symposia, and Conferences

- Bomhard, N. von, Bora, A., Friedrich, B., Fritsch, J., Hacker, J., Hertwig, R., Krätzner-Ebert, A., Lengauer, T., Wielert, L. (2019). Planning Committee of the Conference „Crossing Boundaries in Science: Modeling Existential Risks – How Can Science Help to Obviate Disasters?“. Potsdam, Germany.
- Hertwig, R., Engel, C. (2019). Program Committee of the Ernst Strüngman Forum on "Deliberate Ignorance. Choosing Not to Know". Ernst Strüngmann Forum, Frankfurt, Germany.
- Hertwig, R., Pedersen, A. P., & Suter, R. (2013). Organization of the workshop on "Finding foundations for bounded and adaptive rationality". Max Planck Institute for Human Development, Berlin, Germany.
- Hoffrage, U., & Hertwig, R. (2007). Organization of the workshop "Simple heuristics in social contexts". Lausanne, Switzerland.
- Pachur, T., Hertwig, R. & Gigerenzer, G. (2007). Organization of the symposium "Adaptive cognition: When is ignorance bliss" at the 8th Annual Conference of the German Cognitive Science Society. Saarbrücken, Germany.
- Hertwig, R., & Hoffrage, U. (2006). Organization of the workshop "Bounded rationality in a social context". Adelboden, Switzerland.
- Hertwig, R., Brandstätter, E. & Gigerenzer, G. (September 2004). Organization of the workshop "Decisions under risk: New perspectives" at the 44th Conference of the German Society for Psychology, Göttingen, Germany.
- Hoffrage, U., & Hertwig, R. (August 2003). Organization of the symposium "The ecological rationality of simple heuristics" at the 19th Conference on Subjective Probability Utility and Decision Making, Zurich, Switzerland.
- Hoffrage, U., Hertwig, R., & Gigerenzer, G. (July 2000). Organization of the 16th Annual Meeting of the Brunswik Society, Berlin, Germany.
- Hertwig, R., & Sugiyama, L. (March 2000). Organization of the workshop "Combating the hostile forces of nature: Risk assessment psychology in evolutionary perspective" at the German-American Frontiers of the Social and Behavioral Sciences Symposium 2000, Stone Mountain, Georgia, USA.
- Hertwig, R., & Ortmann, A. (August 1999). Organization of the symposium "Methodological challenges for experimental economics and psychology" at the

17th Conference on Subjective Probability Utility and Decision Making, Mannheim, Germany.

Hertwig, R., Hoffrage, U., & Martignon, L. (August 1997). Organization of the symposium "Models of satisficing inference" at the 16th Conference on Subjective Probability Utility and Decision Making, Leeds, UK.

Hoffrage, U., Hertwig, R., & Martignon, L. (March 1997). Organization of the symposium "Models of bounded rationality as models of cognitive processes" at the 39th Conference of Experimental Psychologists, Berlin, Germany.

Hoffrage, U., & Hertwig, R. (April 1996). Organization of the workshop "Brunswick today: Models of cue-based inference" at the 38th Conference of Experimental Psychologists, Eichstätt, Germany.

Ad hoc reviewer

Acta Psychologica, Behavior Research Methods, Behavioral and Brain Sciences, The British Journal for the Philosophy of Science, Cognition, Cognitive Psychology, Cognitive Science, Conflict Resolution, Current Biology, Current Directions in Psychological Science, Decision Analysis, Econometrica, The Economic Journal, European Management Review, European Review of Social Psychology, Evolution and Human Behavior, Experimental Aging Research, Experimental Psychology, Human Relations, Journal of Behavioral Decision Making, Journal of Experimental Psychology: Applied, Journal of Experimental Psychology: General, Journal of Experimental Psychology: Learning, Memory and Cognition, Journal of Experimental Social Psychology, Journal of Individual Differences, Journal of Mathematical Psychology, Judgment and Decision Making, Language and Cognitive Processes, Management Science, Medical Decision Making, Memory & Cognition, Mind & Society, Natural Human Behavior, Nature, Organizational Behavior and Human Decision Processes, Palgrave Communications, Personality and Social Psychology Bulletin, Perspectives on Psychological Science, Proceedings of the National Academy of Sciences, Proceeding of the Royal Society B, Psychological Review, Psychological Science, Psychologie und Sport: Zeitschrift für Sportpsychologie, PSYCOLOQUY, Psychonomic Bulletin & Review, Regulation & Governance, Research in Human Development, Scandinavian Journal of Psychology, Science, Social Cognition, Swiss Journal of Psychology, Thinking & Reasoning, Trends in Cognitive Sciences, Zeitschrift für Experimentelle Psychologie, Zeitschrift für Sozialpsychologie

Ad hoc reviewer of grant proposals

Austrian National Bank-Jubiläumsfond (2004)

Economic & Social Research Council (UK, 2001, 2016)

German Research Foundation (2005, 2008, 2010, 2012, 2013)

Israeli Science Foundation (2013)

Natural Sciences and Engineering Research Council of Canada (2005)

National Science Foundation

 Economics division (2002)

 Division of behavioral and cognitive sciences: Human cognition and perception (2002)

 Division of social and economic sciences (2010)

Swedish Research Council (2004)

Swiss National Science Foundation (2005, 2007, 2008)
 United States-Israel Binational Science Foundation (2004)
 Wellcome Trust (2017)

Member of Editorial Boards

2019–present	Decision
2016–2017	Topics in Cognitive Science
2011–present	Journal of Behavioral Decision Making
2009–present	Experimental Psychology
2009–present	Thinking & Reasoning
2007–2010	Organizational Behavior and Human Decision Processes

Advisory Board

2020–present	Simon Institute for Longterm Governance, University of Geneva, Switzerland
2015–present	Primate Cognition – Leibniz ScienceCampus, Göttingen, Germany
2013–present	Member of the board, Max Wertheimer Minerva Center for Cognitive Processes and Human Performance, Haifa, Israel
2010–present	MobileMed: Mobile Consultation- and Learning System

Committee Work

2020	Member of the committee “Free-Floating Max Planck Research Group Selection 2020/2021)
2014-2016	Managing Director of the Max Planck Institute for Human Development
2012–present	Member of the steering committee of the Max Planck Institute for Human Development, Berlin.
2011–2012	Dean (Department of Psychology, University of Basel)
2010–2012	Substitute for the vice president of the University of Basel in the Council of the Swiss National Science Foundation
2008–2012	Ombudsperson for ethical conduct in science (Department of Psychology, University of Basel)
2008–2010	Dean of Research (University of Basel, Department of Psychology)
2007–2012	Member of the university-wide research committee at the University of Basel
2006–2012	Member of the steering committee for quality development and management at the University of Basel
2004–2007	Member of the committee for the promotion of young scientists at the University of Basel
2003–2012	Member of search committees at the University of Basel (professorship for developmental psychology, professorship for applied social psychology)

- 2002–2003 Co-opted member (representative of the scientific staff) of the Board of Directors of the Max Planck Institute for Human Development, Berlin
- 1997–2000 Speaker of the Scientific Staff Board, Max Planck Institute for Human Development, Berlin

Mentor and/or dissertation committee member

- 2021 Matthieu Legéret, University of Lausanne (Switzerland), Faculty of Business and Economics (HEC)
- 2020 Alan Novaes Tump, Free University Berlin (Germany), Department of Education and Psychology
- 2020 Veronika Zilker, Free University Berlin (Germany), Department of Education and Psychology
- 2020 Kyanoush Seyed Yahosseini, Free University Berlin (Germany), Department of Education and Psychology
- 2019 Charley Wu, Humboldt University Berlin (Germany), Department of Psychology
- 2019 Aleksandra Litvinova, Free University Berlin (Germany), Department of Education and Psychology
- 2018 Christina Leuker, Humboldt University Berlin (Germany), Department of Psychology
- 2018 Victoria Siegrist, University of Basel (Switzerland), Department of Psychology
- 2018 Corinna Laube, Humboldt University Berlin (Germany), Department of Psychology
- 2017 Mattea Dallacker, Free University Berlin (Germany), Department of Psychology
- 2017 Philipp Gerlach, Humboldt University Berlin (Germany), Department of Psychology
- 2017 Sonja Hilbrand, University of Basel (Switzerland), Department of Psychology
- 2017 Oliver Schürmann, University of Basel (Switzerland), Department of Psychology
- 2016 Anika Josef, University of Basel (Switzerland), Department of Psychology
- 2015 Selina Ackermann, University of Basel (Switzerland), Department of Psychology
- 2015 Dirk Wulff, University of Basel (Switzerland), Department of Psychology
- 2014 Nathaniel Phillips, University of Basel (Switzerland), Department of Psychology
- 2013 Renato Frey, University of Basel (Switzerland), Department of Psychology
- 2012 Andreas Jarvstad, Cardiff University (Wales, UK), Department of Psychology
- 2012 Patricia Rich, Carnegie Mellon University (U.S.), Department of Philosophy
- 2012 Renata Suter, University of Basel (Switzerland), Department of Psychology
- 2009 Robin Hau, University of Basel (Switzerland), Department of Psychology
- 2009 Stefan Herzog, University of Basel (Switzerland), Department of Psychology
- 2009 Marian Krajč, Center for Economic Research and Graduate Education, Charles University Prague
- 2007 Patrick Hansson, Umeå University (Sweden), Department of Psychology
- 2005 Elena Reutskaja, Universitat Pompeu Fabra (Barcelona, Spain), Department of Economics & Business

2005 Peter Lee, University of Alberta (Edmonton, Canada), Department of Psychology

Member of numerous dissertation committees at the University of Basel (Switzerland) since 2003

Membership in professional organizations

American Psychological Science

Brunswik Society

European Association for Decision Making

German Society for Psychology

Society for Judgment and Decision Making