

Resistance to Change in Medicine and Approaches to Mental Illness: An Interdisciplinary Perspective

Full list of references:

- Angell, M. (2004). *The truth about the drug companies: How they deceive us and what to do about it*. New York, NY: Random House.
- Angermeyer, M.C., & Matschinger, H. (2005). Causal beliefs and attitudes to people with schizophrenia: Trend analysis based on data from two population surveys in Germany. *British Journal of Psychiatry*, 186, 331-334.
- Bartha, L., Marksteiner, J., Bauer, G., & Benke, T. (2002). Persistent cognitive deficits associated with lithium intoxication: A neuropsychological case description. *Cortex*, 38(5), 743-752.
- Blasi, G., & Jost, J.T. (2006). System justification theory and research: Implications for law, legal advocacy, and social justice. *California Law Review*, 94, 1119-1168.
- Border, R., Johnson, E.C., Evans, L.M., Smolen, A., Berley, N., Sullivan, P.F., & Keller, M.C. (2019). No support for historical candidate gene or candidate gene-by-interaction hypotheses for major depression across multiple large samples. *AJP in Advance*. doi: 10.1176/appi.ajp.2018.18070881
- Carey, J. (2006). Medical guesswork. *BusinessWeek*, May 29, pp. 72-79.
- Chandra, A., Holmes, J., & Skinner, J. (2013). Is this time different? The slowdown in health care spending. *Brookings Papers on Economic Activity*, 2, 261-302.
- Coburn, D. (2015). Vicente Navarro: Marxism, medical dominance, healthcare and health. In: F. Collyer (Ed.), *The Palgrave Handbook of Social Theory in Health, Illness and Medicine* (pp. 405-423). Basingstoke: Palgrave Macmillan.
- Cohen, D. (2017). Cancer drugs: high price, uncertain value. *BMJ*, 359:j4543
- Corrigan (2018). *The Stigma Effect: Unintended Consequences of Mental Health Campaigns*. New York: Columbia University Press.
- Corrigan, P. W., Watson, A. C., & Ottati, V. (2003). From whence comes mental illness stigma? *International Journal of Social Psychiatry*, 49, 142-157.
- Cosgrove, L., Peters, S.M., Vaswani, A., Karter, J.M. (2018). Institutional corruption in psychiatry: Case analyses and solutions for reform. *Social and Personality Psychology Compass*, 12:e12394.
- Cosgrove, L., Shaughnessy, A.S., Peters, S., Lexchin, J., Bursztajn, H., Bero, L. (2017). Conflicts of interest and the presence of methodologists on guideline development panels: a cross sectional study of clinical practice guidelines for major depressive disorder. *Psychotherapy and Psychosomatics*, 86, 168-170.
- Deacon, B. J. (2013). The biomedical model of mental disorder: a critical analysis of its assumptions, consequences, and effects on psychotherapy research. *Clinical Psychology Review*, 33, 846-861.
- Eddy, D.M. (2005). Evidence-based medicine: a unified approach. *Health Affairs*, 24, 9-17.
- Eidelman, S. & Crandall, C.S. (2009). A psychological advantage for the status quo. In: J.T. Jost, A.C. Kay, and H. Thorisdottir (Eds.), *Social and Psychological Bases of Ideology and System Justification* (pp. 85-106). New York: Oxford University Press.
- Elshaug, A. G., & Garber, A. M. (2011). How CER could pay for itself – insights from vertebral fracture treatments. *New England Journal of Medicine*, 364, 1390-1393.
- Festinger, L. (1957). *A Theory of Cognitive Dissonance*. Stanford: Stanford University Press.
- Goldacre, B. (2013). *Bad pharma: How drug companies mislead doctors and harm patients*. New York, NY: Faber and Faber.

- Goff, D.C., Falkai, P., Fleischhacker, W.W. et al. (2017). The long-term effects of antipsychotic medication on clinical course in schizophrenia. *American Journal of Psychiatry*, 174, 840–849.
- Gøtzsche, P.G. (2015). Does long term use of psychiatric drugs cause more harm than good? *BMJ*, 350: h2435.
- Goudarzi, S., Knowles, E.D., & Jost, J.T. (submitted). On the physiology of ideology: Economic beliefs predict muted affective responses to economic misfortune.
- Grunze, H., Vieta, E., Goodwin, G. M., Bowden, C., Licht, R. W., Moller, H. J., et al. (2013). The World Federation of Societies of Biological Psychiatry (WFSBP) guidelines for the biological treatment of bipolar disorders: Update 2012 on the long-term treatment of bipolar disorder. *World Journal of Biological Psychiatry*, 14, 154-219.
- Guyatt, G., Cairns, J., Churchill, D., Cook. D., Haynes, B., et al. (1992). Evidence-based medicine: A new approach to teaching the practice of medicine. *JAMA*, 268, 2420-2425.
- Hartley, A., Shah, M., Nowbar, A. et al. (2018). Key opinion leaders' guide to spinning a disappointing clinical trial result. *BMJ*, 363:k5207.
- Hennes, E.P., Feygina, I., Ruisch, B., Monteiro, C., & Jost, J.T. (2016). Motivated recall in the service of the economic system: The case of anthropogenic climate change. *Journal of Experimental Psychology: General*, 145, 755-771.
- Hinshaw, S.P., & Stier, A. (2008). Stigma as related to mental disorders. *Annual Review of Clinical Psychology*, 4, 367-393.
- Ioannidis, J. (2018). Professional Societies Should Abstain From Authorship of Guidelines and Disease Definition Statements. *Circulation: Cardiovascular Quality and Outcomes*, 11:e004889.
- IOM (Institute of Medicine) (2007). Learning What Works Best: The Nations Need for Evidence on Comparative Effectiveness in Health Care. In: LA Olsen, C. Grossmann, and J.M. McGinnis (Eds.), *Learning What Works. Infrastructure Required for Comparative Effectiveness Research: Workshop Summary. The Learning Health System Series: Roundtable on value & science-driven health care* (Appendix A, pp. 339-437). Washington, D.C.: The National Academies Press, 2011.
- Jakobsen, J.C., Katakam, K.K., Schou, A., Hellmuth, S.G., Stallknecht, S.E., et al. (2018). Selective serotonin reuptake inhibitors versus placebo in patients with major depressive disorder. A systematic review with meta-analysis and trial sequential analysis. *BMC Psychiatry*, 17, 58.
- Jones, N., & Corrigan, P.W. (2014). Understanding stigma. In P.W. Corrigan (Ed.), *The Stigma of Disease and Disability* (pp. 9-34). Washington, DC: APA Books.
- Jost, J.T. (2015). Resistance to change: A social psychological perspective. *Social Research: An International Quarterly*, 82, 607-636.
- Jost, J.T. (2019). A quarter century of system justification theory: Questions, answers, criticisms, and societal applications. *British Journal of Social Psychology*, 58, 263-314.
- Jost, J.T., Hennes, E.P., & Lavine, H. (2013). "Hot" political cognition: Its self-, group, and system-serving purposes. In: D. Carlston (Ed.), *Oxford Handbook of Social Cognition* (pp. 851-875). New York: Oxford University Press.
- Jost, J.T. & Hunyady, O. (2002). The psychology of system justification and the palliative function of ideology. *European Review of Social Psychology*, 13, 111-153.
- Jost, J.T., & Hunyady, O. (2005). Antecedents and consequences of system-justifying ideologies. *Current Directions in Psychological Science*, 14, 260-265.
- Jost, J.T., Kay, A.C., & Thorisdottir, H. (Eds.) (2009). *Social and psychological bases of ideology and system justification*. New York: Oxford University Press.

- Jost, J.T., & Krochik, M. (2014). Ideological differences in epistemic motivation: Implications for attitude structure, depth of information processing, susceptibility to persuasion, and stereotyping. In: *Advances in Motivation Science* (Vol. 1, pp. 181–231). San Diego, CA: Elsevier/Academic Press.
- Järvinen, T.L., Sievänen, H., Kannus, P., Jokihaara, J., Khan, K.M. (2011). The true cost of pharmacological disease prevention. *BMJ*, 342:d2175.
- Kale, M.S., & Korenstein, D. (2018). Overdiagnosis in primary care: framing the problem and finding solutions. *BMJ*, 362, k2820.
- Kemp, J.J., Lickel, J.J. & Deacon, B.J. (2014). Effects of a chemical imbalance causal explanation on individuals' perceptions of their depressive symptoms. *Behaviour Research and Therapy*, 56, 47-52.
- Kirmayer, L.J., Gomez-Carrillo, A., & Veissière, S. (2017). Culture and depression in global mental health: An ecosocial approach to the phenomenology of psychiatric disorders. *Social Science and Medicine*, 183, 163-168.
- Kocsis, J. H., Shaw, E. D., Stokes, P. E., Wilner, P., Elliot, A. S., Sikes, C., et al. (1993). Neuropsychologic effects of lithium discontinuation. *Journal of Clinical Psychopharmacology*, 13(4), 268-275.
- Krishnan, V. & Nestler, E.J. (2010). Linking molecules to mood: new insight into the biology of depression. *American Journal of Psychiatry*, 167, 1305–1320.
- Kunda, Z. (1990). The case for motivated reasoning. *Psychological Bulletin*, 108, 480-498.
- Lenzer, J. (2013). Why we can't trust clinical guidelines. *BMJ*, 346:f3830.
- Lepièce, B., Reynaert, C., van Meerbeeck, P., & Dory, V. (2016). Social dominance theory and medical specialty choice. *Advances in Health Sciences Education*, 21, 79-92.
- Lessig, L. (2013). "Institutional corruption" defined. *The Journal of Law, Medicine & Ethics*, 41, 553–555.
- Lewis, B. (2006). Listening to Chekhov: Narrative approaches to depression. *Literature and Medicine*, 25, 46-71.
- Lewis, B. (2014). The art of medicine: Taking a narrative turn in psychiatry. *The Lancet*, 383, 22-23.
- Lilienfeld, S.O., Ritschel, L.A., Lynn, S.J., Cautin, R.L. & Latzman, R.D. (2014). Why ineffective psychotherapies appear to work: A taxonomy of causes of spurious therapeutic effectiveness. *Perspectives on Psychological Science*, 9, 355–387.
- Link, B.G., Struening, E.L., Rahav, M., Phelan, J.C., & Nuttbrock, L. (1997). On stigma and its consequences: evidence from a longitudinal study of men with dual diagnoses of mental illness and substance abuse. *Journal of Health and Social Behavior*, 38, 177-190.
- Lord, C. G., Ross, L., & Lepper, M. R. (1979). Biased assimilation and attitude polarization: the effects of prior theories on subsequently considered evidence. *Journal of Personality and Social Psychology*, 37, 2098-2109.
- McKinlay, J.B. (1981). From "promising report" to "standard procedure": Seven stages in the career of a medical innovation. *The Milbank Memorial Fund Quarterly*, 59, 374-411.
- Makary, M.A., & Daniel, M. (2016). Medical error – the third leading cause of death in the US. *BMJ*, 353, i2139.
- Meretoja, H. (2017). *The Ethics of Storytelling: Narrative Hermeneutics, History, and the Possible*. Oxford: Oxford University Press.
- Moncrieff, J. (2006). The politics of psychiatric drug treatment. In: D.B. Double (Ed.), *Critical Psychiatry: The Limits of Madness* (pp. 115-132). Basingstoke: Palgrave Macmillan.
- Moncrieff, J. (2008). *The myth of the chemical cure: A critique of psychiatric drug treatment*. Basingstoke: Palgrave Macmillan.

- Müller, V.I., Cieslik, E.C., Serbanescu, I., Laird, A.R., Fox, P.T., & Eickhoff, S.B. (2017). Altered brain activity in unipolar depression revisited: meta-analyses of neuroimaging studies. *JAMA Psychiatry*, 74, 47-55.
- NICE. (2018). Bipolar disorder: The NICE guideline on the assessment and management of bipolar disorder in adults, children and young people in primary and secondary care. In: *National Institute for Health and Care Excellence: Clinical guidelines*. Leicester, UK: British Psychological Society & The Royal College of Psychiatrists.
- Patashnik, E.M., Gerber, A.S. & Dowling, C. M. (2017). *Unhealthy politics: The battle over evidence-based medicine*. Princeton: Princeton University Press.
- Paykel, E.S., Hart, D. & Priest, R.G. (1998). Changes in public attitudes to depression during the Defeat Depression Campaign. *The British Journal of Psychiatry*, 173, 519-522.
- Penn, E.M. (2017). Inequality, social context, and value divergence. *The Journal of Politics*, 79, 153-165.
- Pennebaker, J.W. & Chung, C.K. (2011). Expressive writing: Connections to physical and mental health. In: *The Oxford handbook of health psychology* (pp. 417-437). *Oxford library of psychology*. New York, NY: Oxford University Press.
- Pescosolido, B.A., Martin, J.K., Long, J.S., Medina, T.R., Phelan, J.C. & Link, B.G. (2010). "A disease like any other"? A decade of change in public reactions to schizophrenia, depression, and alcohol dependence. *American Journal of Psychiatry*, 167, 1321-1330.
- Pope, C. (2003). Resisting evidence: the study of evidence-based medicine as a contemporary social movement. *Health*, 7, 267-282.
- Prasad, V. Cifu, A. & Ioannidis, J. P. A. (2012). Reversals of established medical practices: evidence to abandon ship. *JAMA*, 307, 37-38.
- Prasad, V., & Ioannidis, J. P. A. (2014). Evidence-based de-implementation for contradicted, unproven, and aspiring healthcare practices. *Implementation Science*, 9:1.
- Sackett, D., Rosenberg, W.M., Gray, J.A.M., Haynes, R.B., & Richardson, W.S. (1996). Evidence-based medicine: what it is and what it isn't. *BMJ*, 312, 71-72.
- Sajid, I., Valtonen, J., Järvinen, T. & Guyatt, G. (in preparation). Practice paralysis: Erroneous 'expert' beliefs, the stubborn psychological resistance to evidence and the implications for de-implementation policy.
- Schneider, J. A., & Mirra, S. S. (1994). Neuropathologic correlates of persistent neurologic deficit in lithium intoxication. *Annals of Neurology*, 36, 928-931.
- Scull, A. (2015). *Madness in Civilization*. Princeton: Princeton University Press.
- Scull, A. (2013). *The Most Solitary of Afflictions. Madness and Society in Britain 1700-1900*. New Haven: Yale University Press.
- Sidanius, J., & Pratto, F. (2001). Social dominance: An intergroup theory of social hierarchy and oppression. Cambridge: Cambridge University Press.
- Sidanius, J., & Pratto, F. (2012). Social dominance theory. In: P.A.M. van Lange, A.W. Kruglanski and E.T. Higgins (Eds.), *Handbook of Theories of Social Psychology* (pp. 418-438).
- Sohler, N., Adams, B. G., Barnes, D. M., Cohen, G. H., Prins, S. J., & Schwartz, S. (2015). Weighing the Evidence for Harm From Long-Term Treatment With Antipsychotic Medications: A Systematic Review. *American Journal of Orthopsychiatry*. Advance online publication, December 14.
- Stegenga, J. (2018). *Medical Nihilism*. Oxford: Oxford University Press.
- Szabo, Z. P., Valtonen, J. & Lönnqvist, J.-E. (in preparation, data collection completed). The stigmatization of mental illness in Hungary.

- Ubel, P.A. & Asch, D.A. (2015). Creating value in health by understanding and overcoming resistance to de-innovation. *Health Affairs*, 34, 239-244.
- Valtonen, J. (under review). The health benefits of autobiographical writing: An interdisciplinary perspective.
- Valtonen, J., Ahn, W-K & Cimpian, A. (in preparation, data collection completed). Causal asymmetry in intuitive theories of minds and brains.
- Valtonen, J., Baltiansky, D. & Jost, J. T. (accepted for presentation). System justification and the stigmatization of mental illness. *Poster to be presented at the Society for Personality and Social Psychology Annual Convention*, Feb. 25-27, 2020, New Orleans, USA.
- Valtonen, J. & Cimpian, A. (2019). The mind and the brain are equal, but one is more equal than the other: Causal asymmetry in intuitive theories of minds and brains. *Poster presented at the Association for Psychological Science Annual Convention*, May 23-26, Washington, D.C., USA.
- Valtonen, J. & Jost, J.T. (a, in preparation, data collection completed). Justification of the economic system predicts stigmatization of mental illness.
- Valtonen, J. & Jost, J.T. (b, in preparation). Resistance to change in medicine: A social-psychological perspective on why the dog doesn't bark.
- Valtonen, J. & Karrasch, M. (2019). Domain-specific cognitive dysfunction in long-term lithium treatment: A neuropsychological case. *Poster presented at the Federation for European Societies of Neuropsychology (FESN) scientific meeting*, Sept. 5-7, Milan, Italy.
- Valtonen, J. & Karrasch, M. (under review). Polypharmacy-induced cognitive dysfunction and discontinuation of psychotropic medication: A neuropsychological case report.
- Valtonen, J. & Lewis, B. (in preparation). Anton Chekhov, narrative theory and the functional neuroimaging of depression.
- Whitaker R., & Cosgrove, L. (2015). *Psychiatry under the influence: Institutional corruption, social injury and prescriptions for reform*. New York, NY: Palgrave MacMillan.
- Wilkinson, R.G. & Pickett, K.E. (2009). Income inequality and social dysfunction. *Annual Review of Sociology*, 35, 493-511.
- Wunderink, L., Nieboer, R.M., Wiersma, D., Sytema, S. & Nienhuis, F.J. (2013). Recovery in remitted first-episode psychosis at 7 years of follow-up of an early dose reduction/discontinuation or maintenance treatment strategy: Long-term follow-up of a 2-year randomized clinical trial. *JAMA Psychiatry*, 70, 913-920.
- Zimbardo, P. G. (2007). *The Lucifer Effect: Understanding how good people turn evil*. New York: Random House.