

Ian Hussey

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Research interests

Meta-science, open science, behavior research methods, measurement, & implicit social cognition

Employment

2023 – present	Postdoctoral researcher University of Bern, Switzerland <i>PI grant:</i> Prof. Malte Elson
2022 – 2023	Postdoctoral researcher Ruhr University Bochum, Germany <i>PI grant:</i> Prof. Malte Elson
2017 – 2020	Postdoctoral researcher Ghent University, Belgium <i>Own grant</i>
2015 – 2017	Postdoctoral researcher Ghent University, Belgium <i>PI grant:</i> Prof. Jan De Houwer

Appointments

2024	Chief recommender ERȦOR: Estimating the Reliability & Robustness Of Research error.reviews <i>PIs:</i> Prof. Malte Elson & Dr. Ruben Arslan
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Education

2010 – 2015	Ph.D. <i>Thesis title:</i> ‘Developing the Implicit Relational Assessment Procedure (IRAP) to Assess Evaluations of Death Within Suicidality’ <i>Supervisor:</i> Prof. Dermot Barnes-Holmes <i>Maynooth University, Ireland</i>
2013	Professional Certificate in Teaching and Learning <i>Maynooth University, Ireland</i>
2007 – 2010	B.A. (Hons.) Psychology First Class Honours (1.1) <i>Maynooth University, Ireland</i>

Preprints

Under review & being revised

- Anvari, F., Alsalti, T., Oehler, L., **Hussey, I.**, Elson, M., Arslan, R.C. (2024, under review). A fragmented field: Construct and measure proliferation in psychology. <https://osf.io/preprints/psyarxiv/b4mui>
- Röseler, L., Kaiser, L., Doetsch, C.A., Klett, K., Seida, C., ... **Hussey, I.**, ... Zhang, Yikang. (2024, under review) The Replication Database: Documenting the Replicability of Psychological Science. <https://osf.io/preprints/metaarxiv/me2ub>
- Alsalti, T., **Hussey, I.**, Elson, M., Arslan, R.C. (2023, under review). Using Multilevel Regression and Poststratification to Efficiently Derive Accurate Norms. <https://osf.io/preprints/psyarxiv/fcm3n>
- Cummins, J. & **Hussey, I.** (2023, under review). The individual-level precision of implicit measures. <https://osf.io/preprints/psyarxiv/fj6rm/>
- Hussey, I.** (2023, being revised). Data is not available upon request. <https://psyarxiv.com/jbu9r>
- Hussey, I.** (2023, under review). The Implicit Relational Assessment Procedure's trial-types are not independent. <https://osf.io/preprints/psyarxiv/4gsxq>
- Hussey, I.**, Alsalti, T., Bosco, F., Elson, M., Arslan, R. (2023, being revised). An aberrant abundance of Cronbach's alpha values at .70. <https://psyarxiv.com/dm8xn>
- Hussey, I.** (2022, being revised). The IRAP is not suitable for individual use due to very wide confidence intervals around *D* scores. <https://psyarxiv.com/w2vgr>
- Hussey, I.**, & Drake, C. E. (2022, being revised). The IRAP is not very sensitive to the attitudes and learning histories it seeks to assess. <https://psyarxiv.com/sp6jx>
- Hussey, I.**, & Drake, C. E. (2022, being revised). The Implicit Relational Assessment Procedure demonstrates poor internal consistency and test-retest reliability: A meta-analysis. <https://psyarxiv.com/ge3k7>

Unpublished working papers & datasets

- Hussey, I.** (2023). Reply to Barnes-Holmes & Harte (2022) 'The IRAP as a Measure of Implicit Cognition: A Case of Frankenstein's Monster.' <https://psyarxiv.com/qmg6s>
- Hussey, I.**, & Cummins, J. (2022). Evidence against effects on the Affect Misattribution Procedure being unaware: AMP effects involve construct-irrelevant individual differences. <https://psyarxiv.com/8k94v>
- Hughes, S., Fried, O., Ferguson, M., Hughes, C., Hughes, R., Yao, X., & **Hussey, I.** (2021, currently under review). Deepfaked online content is highly effective in manipulating people's attitudes and intentions. <https://psyarxiv.com/4ms5a>
- Greenwald, A. G., Dasgupta, B., Dovidio, J., Hofmann, W., Kang, J., Moss-Racusin, C., Steele, C., Teachman, B. A., Brendl, M., Cai, H., Charlesworth, T., Cvenček, D., Dovidio, J., Hahn, A., Hehman, E., Hofmann, W., Hughes, S., **Hussey, I.**, Jordan, C., Jost, J., Kirby, T., Kurdi, B., Lai, C., Lang, J., Lindgren, K. P., Maison, D., Ostafin, B., Rae, J., Ratliff, K., Smith, C. T., Spruyt, A., Wiers, R. (2020, elements published as Greenwald et al., 2022). The Implicit Association Test at age 20: What is known and what is not known about implicit bias. <https://psyarxiv.com/bf97c> [authorship order determined alphabetically]
- Hussey, I.** (2020). General claims require generalized effects: A reply to Ruiz et al.'s (2020) 'A systematic and critical response to Pendrous et al. (2020) replication study'. <https://psyarxiv.com/83z2y>
- Murthy, V. E., **Hussey, I.**, & McHugh, L. (2020). A single-session Acceptance and Commitment Therapy intervention targeting shame in people experiencing homelessness: A randomised multiple baseline design. <https://psyarxiv.com/3hpug>
- Hussey, I.**, & Nosek, B. (2019, public dataset used in many published studies). The Attitudes, Identities, and Individual Differences (AIID) dataset: A massively multivariate dataset of implicit and explicit measures. <https://osf.io/4scy2>
- Hussey, I.** & De Houwer, J. (2018). Completing a Race IAT increases implicit racial bias. <https://psyarxiv.com/vxsi7>

Peer-reviewed publications & book chapters

- Borgert, N., Reithmaier, O.D., Jansen, L., Hillemann, L., **Hussey, I.**, Elson, M. (2023). Home Is Where the Smart Is: Development and Validation of the Cybersecurity Self-efficacy in Smart Homes (CySESH) Scale. *Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems*. <https://doi.org/10.1145/3544548.3580860>

- Corneille, O., Havemann, J., Henderson, E. L., IJzerman, H., **Hussey, I.**, Orban de Xivry, J., Jussim, L., Holmes, N. P., Pilacinski, A., Beffara, B., Carroll, H., E. L., Outa, N. O., Lush, P., J., Lotter, L. D. (2023). Beware 'persuasive communication devices' when writing and reading scientific articles. *eLife*.
<https://doi.org/10.7554/elife.88654>
- Elson, M., **Hussey, I.**, Alsalti, T., & Arslan, R. C. (2023). Psychological Measures Aren't Toothbrushes. *Communications Psychology*. <https://doi.org/10.1038/s44271-023-00026-9>
- Hughes, S., Cummins, J., & **Hussey, I.** (2023). Effects on the Affect Misattribution Procedure are Strongly Moderated by Awareness. *Behavior Research Methods*, 1(29). <https://doi.org/10.3758/s13428-022-01879-4>
- Hussey, I.** (2023). A systematic review of Null Hypothesis Significance Testing, sample sizes and statistical power in research using the Implicit Relational Assessment Procedure. *Journal of Contextual Behavioral Science*, 29, 86-97. <https://doi.org/10.1016/j.jcbs.2023.06.008>
- Cummins, J., **Hussey, I.**, Spruyt, A. (2022). The role of attitude features in the reliability of IAT scores. *Journal of Experimental Social Psychology*, 101, 104330. <https://doi.org/10.1016/j.jesp.2022.104330>
- Greenwald, A. G., Brendl, M., Cai, H., Cvencek, D., Dovidio, J. F., Friesse, M., ... & Wiers, R. W. (2022). Best research practices for using the Implicit Association Test. *Behavior Research Methods*, 1-20. <https://doi.org/10.3758/s13428-021-01624-3>
- Kurdi, B., **Hussey, I.**, Stahl, C., Hughes, S., Unkelbach, C., Ferguson, N., ... (2022). Unaware attitude formation in the surveillance task? Revisiting the findings of Moran et al.(2021). *International Review of Social Psychology*, 35(1). <https://doi.org/10.5334/irsp.546>
- Hussey, I.** (2021). A method to streamline *p*-hacking. *Meta Psychology*, 5. <https://doi.org/10.15626/MP.2020.2529>
- Kirtley, O. J., **Hussey, I.**, & Marzano, L. (2021). Exposure to and experience of self-harm: An exploratory network analysis. *Psychiatry Research*, 295, 113572. <https://doi.org/10.1016/j.psychres.2020.113572>
- Moran, T., Hughes, S., **Hussey, I.**, Vadillo, M. A. Olson, M. A., Aust, F., Bading, K., Balas, R., Benedict, T., Corneille, O., Douglas, S. B., Ferguson, M. J., Fritzlen, K. A., Gast, A., Gawronski, B., Heycke, T., Högden, F., Hütter, M., Kurdi, B., Mierop, A., Richter, J., Sarzyńska, J., Smith, C. T., Stahl, C., Thomasius, P., Unkelbach, C., & De Houwer, J. (2021). Incidental Attitude Formation via the Surveillance Task: A Pre-Registered Replication of Olson and Fazio (2001). *Psychological Science*, 32(1). <https://doi.org/10.1177/09567976209685>
- Cracco, E., González-García, C., **Hussey, I.**, Braem, S., & Wisniewski, D. (2020). Cultural pressure and biased responding in free will attitudes. *Royal Society Open Science*, 7(8), 191824. <https://doi.org/10.1098/rsos.191824>
- Hughes, S., De Houwer, J., Mattavelli, S., & **Hussey, I.** (2020). The Shared Features Principle: If Two Objects Share a Feature, People Assume Those Objects Also Share Other Features. *Journal of Experimental Psychology: General*, 149(12), 2264–2288. <https://doi.org/10.1037/xge0000777>
- Hughes, S., Mattavelli, S., **Hussey, I.**, & De Houwer, J. (2020). The influence of extinction and counterconditioning procedures on operant evaluative conditioning and intersecting regularity effects. *Royal Society Open Science*, 7(10), 192085. <https://doi.org/10.1098/rsos.192085>
- Landy, J., Jia, M., Ding, I. L., Viganola, D., Tierney, W., Dreber, A., ... Uhlmann, E. L. (2020). Crowdsourcing hypothesis tests: Making transparent how design choices shape research results. *Psychological Bulletin*, 146(5), 451-479. <https://doi.org/10.1037/bul0000220> [106th author of 193 on this large scale project]
- Hussey, I.** & Hughes, S. (2020). Hidden invalidity among 15 commonly used measures in Social and Personality psychology. *Advances in Methods and Practices in Psychological Science*. <https://doi.org/10.1177/2515245919882903>
- Van Dessel, P., De Houwer, J., Hughes, S., **Hussey, I.** (2018). An Analysis of the Scientific Status and Limitations of the Attitudinal Entropy Framework and an Initial Test of Some of Its Empirical Predictions. *Psychological Inquiry*, 29(4), 213–217. <http://doi.org/10.1080/1047840X.2018.1537339>
- Hussey, I.**, & De Houwer, J. (2018). The Implicit Association Test as an analogical learning task. *Experimental Psychology*, 65(5), 272-285. <https://doi.org/10.1027/1618-3169/a000416>
- De Schryver, M., **Hussey, I.**, Cartwright A., Barnes-Holmes, D. (2018). The PI: an alternative scoring-algorithm for the IRAP using a more robust effect size measure. *Journal of Contextual Behavioral Science*, 7, 97-103. <https://doi.org/10.1016/j.jcbs.2018.01.001>
- Cartwright, A., **Hussey, I.**, Roche, B., Dunne, J., & Murphy, C. (2017). An investigation into the relationship between the gender binary and occupational discrimination using the Implicit Relational Assessment Procedure. *The Psychological Record*, 67(1), 121–130. <http://doi.org/10.1007/s40732-016-0212-1>
- Finn, M., Barnes-Holmes, D., **Hussey, I.**, & Graddy, J. (2016). Exploring the behavioral dynamics of the Implicit Relational Assessment Procedure: The impact of three types of introductory rules. *The Psychological Record*, 66(2), 309-321. <http://doi.org/10.1007/s40732-016-0173-4>
- Hughes, S., **Hussey, I.**, Corrigan, B., Jolie, K., Murphy, C., & Barnes-Holmes, D. (2016). Faking revisited:

- Exerting strategic control over performance on the Implicit Relational Assessment Procedure. *European Journal of Social Psychology*, 46(5), 632–648. <http://doi.org/10.1002/ejsp.2207>
- Hussey, I.**, Barnes-Holmes, D., & Booth, R. (2016). Individuals with current suicidal ideation demonstrate implicit fearlessness of death. *Journal of Behavior Therapy & Experimental Psychiatry*, 51, 1-9. <http://doi.org/10.1016/j.jbtep.2015.11.003>
- Hussey, I.**, Ní Mhaioileoin, D., Barnes-Holmes, D., Ohtsuki, T., Kishita, N., Hughes, S., & Murphy, C. (2016). The IRAP is nonrelative but not acontextual: Changes to the contrast category influence men's dehumanization of women. *The Psychological Record*, 66(2), 291-299. <http://doi.org/10.1007%2Fs40732-016-0171-6>
- Kavanagh, D., **Hussey, I.**, McEntegart, C., Barnes-Holmes, Y. & Barnes-Holmes, D. (2016). Using the IRAP to explore natural language statements. *Journal of Contextual Behavioral Science*, 5(4), 247–251. <http://doi.org/10.1016/j.jcbs.2016.10.001>
- Barnes-Holmes, D., & **Hussey, I.** (2015). The functional-cognitive meta-theoretical framework: Reflections, possible clarifications and how to move forward. *International Journal of Psychology*, 51(1), 50-57. <http://doi.org/10.1002/ijop.12166>
- Barnes-Holmes, D., Barnes-Holmes, Y., **Hussey, I.**, & Luciano, C. (2015). Relational Frame Theory: Finding its historical and intellectual roots and reflecting upon its future development. In R. D. Zettle, S. C. Hayes, D. Barnes-Holmes, & A. Biglan (Eds.), *The Wiley Handbook of Contextual Behavioral Science* (pp. 115–128). New York, NY: Blackwell-Wiley. <http://doi.org/10.1002/9781118489857>
- Barnes-Holmes, Y., **Hussey, I.**, McEntegart, C., Barnes-Holmes, D., & Foody, M. (2015). Scientific ambition: The relationship between Relational Frame Theory and middle-level terms in acceptance and commitment therapy. In R. D. Zettle, S. C. Hayes, D. Barnes-Holmes, & A. Biglan (Eds.), *The Wiley Handbook of Contextual Behavioral Science* (pp. 365–382). New York, NY: Blackwell-Wiley. <http://doi.org/10.1002/9781118489857>
- Hussey, I.**, Barnes-Holmes, D., & Barnes-Holmes, Y. (2015). From Relational Frame Theory to implicit attitudes and back again: clarifying the link between RFT and IRAP research. *Current Opinion in Psychology*, 2, 11–15. <http://doi.org/10.1016/j.copsyc.2014.12.009>
- Hussey, I.**, Daly, T., & Barnes-Holmes, D. (2015). Life is good, but death ain't bad either: Counter-intuitive implicit biases to death in a normative population. *The Psychological Record*, 65(4), 731-742. <http://doi.org/10.1007/s40732-015-0142-3>
- Hussey, I.**, Thompson, M., McEntegart, C., Barnes-Holmes, D., & Barnes-Holmes, Y. (2015). Interpreting and inverting with less cursing: A guide to interpreting IRAP data. *Journal of Contextual Behavioral Science*, 4(3), 157–162. <http://doi.org/10.1016/j.jcbs.2015.05.001>
- McEntegart, C., Barnes-Holmes, Y., **Hussey, I.**, & Barnes-Holmes, D. (2015). Ties between basic science of language and cognition to clinical applications. *Current Opinion in Psychology*, 2, 56–59. <http://doi.org/10.1016/j.copsyc.2014.11.017>
- O'Regan, L. M., Farina, F. R., **Hussey, I.**, & Roche, R. A. (2015). Event-related brain potentials reveal correlates of the transformation of stimulus functions through derived relations in healthy humans. *Brain Research*, 1599, 168–177. <http://doi.org/10.1016/j.brainres.2014.12.044>
- Hussey, I.**, & Barnes-Holmes, D. (2012). The Implicit Relational Assessment Procedure as a measure of implicit depression and the role of psychological flexibility. *Cognitive and Behavioral Practice*, 19(4), 573–582. <http://doi.org/10.1016/j.cbpra.2012.03.002>

Invited talks & keynotes

- 2024 The ER4OR project: A three-prong effort to improve post publication critique and error detection
Perspectives on Scientific Error meeting. Eindhoven, Netherlands.
- 2023 The digitalisation imperative: Challenges and necessary changes in psychological science
University of Bern, Switzerland
- 2023 Measurement Schmeasurement: How I learned to appreciate measurement
University of Bern, Switzerland
- 2023 (Sch)measurement in implicit measures
Catholic University of Louvain, Belgium
Co-author: Jamie Cummins
- 2022 The best theory is a flawed one: lessons from implicit bias research
RIOT Science Club, UK
- 2022 An updated critique of IRAP research
Federal University of Minas Gerais, Brazil
- 2020 The best theory is a flawed one: Looking back on 25 years of research on implicit attitudes

- University of Lincoln, UK*
- 2018 Open Science for experimental-clinical researchers
Centre for Contextual Psychiatry, KU Leuven, Belgium
- 2018 Never waste a good (replication) crisis: Open Science for early career researchers
Early and Mid-Career Researchers' (EMCR) forum for suicide researchers, University of Glasgow, UK
- 2017 The Implicit Association Test as an analogical learning task
Harvard University, Massachusetts
Co-author: Jan De Houwer
- 2017 The Implicit Association Test as an analogical learning task
KU Leuven, Belgium
- 2016 Using meta-theory to foster cooperation between behavioral and cognitive approaches to psychology
University of Chester, UK
- 2013 The naked truth: Surviving graduate school (Chair)
Association for Psychological Science (APS) annual research conference in Washington, DC
- 2013 Implicit attitudes and suicidality
Irish Coroners' Association annual conference in Limerick, Ireland
- 2012 Implicit attitudes to death and dying in the prediction of suicide
Grand rounds at St Patrick's University Hospital, Dublin, Ireland

Conference presentations

Panel discussions

- Spencer, S., Borgogna, N., **Hussey, I.**, Lee, E. B., Luoma, J. B. (2023). Questionable Research Practices within Contextual Behavioral Science: Concerns and potential ways forward. Association for Contextual Behavioral Science world conference. Nicosia, Cyprus.
- Hussey, I.**, Sandoz, E., Hayes, S., McCracken, L., & De Houwer, J. (2017). How should Contextual Behavioral Science react to the Replication Crisis in science? Association for Contextual Behavioral Science world conference. Seville, Spain.

Hackathons

- Hussey, I.** (2024). Self-correcting science: Increasing the discoverability and usability of post publication scrutiny and error detection tools. Perspectives on Scientific Error meeting. Eindhoven, Netherlands.
- Hussey, I.** & Strand, J. (2022). Measurement Beasts and Where to Find Them. Society for the Improvement of Psychological Science conference. Victoria, Canada.
- Hussey, I.**, & Kirtley, O. (2019). Encouraging data sharing and signposting in clinical psychology. Society for the Improvement of Psychological Science. Rotterdam, the Netherlands.
- Hussey, I.**, & Hughes, S. (2019). Many (validity) analysts, one dataset: Making transparent how variations in measurement practices impact conclusions about validity. Society for the Improvement of Psychological Science. Rotterdam, the Netherlands.

Talks

- Hussey, I.** (2019). A web app to make Single Case Experimental Design research more accessible and robust. Paper presented at the annual Association for Contextual Behavioral Science conference in Dublin, Ireland.
- Hussey, I.** & Hughes, S. (2019). Hidden invalidity among self-report measures poses a threat to research findings. Paper presented at the annual Association for Contextual Behavioral Science conference in Dublin, Ireland.
- Hussey, I.**, Cummins, J., & Drake, C. (2019). The IRAP is not sensitive to the domains it seeks to assess: A Bayesian analysis of published and unpublished data. Paper presented at the annual Association for Contextual Behavioral Science conference in Dublin, Ireland.
- Hussey, I.** Cummins, J. (2019). Common IRAP analytic strategies have a false positive rate approaching 100%: A series of simulation studies. Paper presented at the annual Association for Contextual Behavioral Science conference in Dublin, Ireland.
- Hussey, I.** Cummins, J., & Drake, C. (2019). Most published IRAP research findings are false, and bias meta-

- analyses. Paper presented at the annual Association for Contextual Behavioral Science conference in Dublin, Ireland.
- Hussey, I.** (2019). Predicting future suicidal behavior using implicit measures. Paper presented at the annual Early and Mid-Career Researchers' (EMCR) forum for suicide researchers, Glasgow, UK.
- Hussey, I., Kirtley, O., Millner, A., & Cha, C.** (2018). Assessing the validity of the self-injurious thoughts and behaviors continuum using Rasch modelling. Paper presented at the 17th European Symposium on Suicide and Suicidal Behavior in Ghent, Belgium.
- Hussey, I., Kirtley, O., Millner, A., & Cha, C.** (2018). Assessing the validity of the self-injurious thoughts and behaviors continuum using Rasch modelling. Paper presented at the 2nd Lage Landen Suicide Research meeting in Amsterdam, Netherlands.
- Hussey, I. & De Houwer, J.** (2017). Evaluative learning and social cognition via analogy: A redirection. Paper presented at the 4th Analogy conference in Paris, France.
- Hussey, I., Hughes, S., & De Houwer, J.** (2017). Analogy as relating relations: implications for implicit measures. Paper presented at the annual Association for Contextual Behavioral Science conference in Seville, Spain.
- Hussey, I., Hughes, S., & De Houwer, J.** (2017). New data on core RFT concepts. Paper presented at the annual Association for Contextual Behavioral Science conference in Seville, Spain.
- Hussey, I. & Schettino, A.** (2017). Augmented publishing: A proof of concept. FigShare conference, Belgium.
- Hussey, I., & Cartwright, A., De Schryver, M., De Houwer, J.** (2016). It depends on how you look at it: Using tests of measurement invariance to guide IRAP data analysis. Paper presented at the Acceptance and Commitment Therapy & Contextual Behavioral Science conference in Edinburgh, UK.
- Hussey, I., & De Houwer, J.** (2016). The IAT as an analogical learning task. Paper presented at the Acceptance and Commitment Therapy & Contextual Behavioral Science conference in Edinburgh, UK.
- Hussey, I., & Hughes, S.** (2016). Levels derivation as a property of relational responding: First evidence. Paper presented at the Acceptance and Commitment Therapy & Contextual Behavioral Science conference in Edinburgh, UK.
- Hussey, I., & Thompson, M.** (2016). The consequences of attempted suicide: A mixed-methods analysis of naturalistic internet data. Paper presented at the Acceptance and Commitment Therapy & Contextual Behavioral Science conference in Edinburgh, UK.
- Hussey, I., De Schryver, M., & De Houwer, J.** (2016). Quantifying effects on implicit measures using a more behavior-analytic consistent metric: the Probabilistic Index. Paper presented at the annual Association for Behavior Analysis International conference in Chicago, IL.
- O'Regan, L.M, Francesca, F.R., **Hussey, I., Roche, R.A.P.** (2014). Event-related brain potentials reveal correlates of the transformation of stimulus functions through derived relations in healthy humans. *Frontier in Neuroscience*. Conference Abstract: Neuroscience Ireland Young Neuroscientists Symposium 2014. doi: 10.3389/conf.fnins.2014.87.00007
- Hughes, S., **Hussey, I., & Barnes-Holmes, D.** (2014). Fakability of the IRAP. Paper presented at the annual Association for Contextual Behavioral Science conference in Minneapolis, MN.
- Barnes-Holmes, D., Barnes-Holmes, Y., & **Hussey, I.,** (2014). Back to basics: clarifying the links between RFT and the IRAP. Paper presented at the annual Association for Contextual Behavioral Science conference in Minneapolis, MN.
- Thompson, M., & **Hussey, I.,** (2014). The IRAP as a measure of attitudes to poverty and inequality. Paper presented at the annual Association for Contextual Behavioral Science conference in Minneapolis, MN.
- Hussey, I., & Barnes-Holmes, D.** (2013). What is the IRAP and how to use it: New horizons for RFT and translational research. Paper presented at the 3rd International IRAP & RFT meeting in Uppsala, Sweden.
- Hussey, I., & Barnes-Holmes, D.** (2013). Implicit Attitudes to Death: What assumptions have we made about suicidality? Paper presented at the 3rd International IRAP & RFT meeting in Uppsala, Sweden.
- Hussey, I., & Barnes-Holmes, D.** (2013). IRAP Stimulus Set Evaluation I: Internal consistency and test-retest reliability. Paper presented at the 3rd International IRAP & RFT meeting in Uppsala, Sweden.
- Silva Martin, L., Barnes-Holmes, D., & **Hussey, I.,** (2013). Stimulus Set Evaluation II: Assessing the IRAP's Predictive Ability. Paper presented at the 3rd International IRAP & RFT meeting in Uppsala, Sweden.
- Hussey, I., & Barnes-Holmes, D.** (2013). An RFT deconstruction of the IRAP & a proposed stimulus selection strategy. Paper presented at the 3rd International IRAP & RFT meeting in Uppsala, Sweden.
- Hussey, I., & Barnes-Holmes, D.** (2013). Measuring the Suicidal Mind... With More Precision. Poster presented at the annual Association for Psychological Science conference in Washington, DC.
- Hussey, I., & Barnes-Holmes, D.** (2013). Implicit Cognition, Death and Suicidality. Paper presented at the British Association for Cognitive and Behavioral Psychotherapy's first annual Acceptance and Commitment Therapy/Contextual Behavioral Science Conference in London, England.

- Hussey, I., & Barnes-Holmes, D. (2012).** Exploring the role of the contrast category as a source of contextual control within the IRAP. Paper presented at the annual Association for Contextual Behavioral Science conference in Washington, DC.
- Hussey, I., & Barnes-Holmes, D. (2012).** Experiential Avoidance and Implicit Attitudes to Death. Paper presented at the annual Association for Contextual Behavioral Science conference in Washington, DC.
- Hussey, I., Barnes-Holmes, D., McEntegart, C., Nicholson, E. & Barnes-Holmes, Y. (2012).** Introduction to the IRAP: Basic theory. Paper presented at the annual Association for Contextual Behavioral Science conference in Washington, DC.
- McEntegart, C., Nicholson, E. & Barnes-Holmes, Y., **Hussey, I., & Barnes-Holmes, D. (2012).** Introduction to the IRAP: Use in clinically relevant domains. Paper presented at the annual Association for Contextual Behavioral Science conference in Washington, DC.
- Hussey, I., & Barnes-Holmes, D. (2012).** An exploration of the IRAP as a measure of implicit attitudes to death and suicide. Paper presented at the 2nd International IRAP & RFT meeting in Kyoto, Japan.
- Hussey, I., & Barnes-Holmes, D. (2012).** An exploration of the IRAP as a measure of implicit attitudes to death and suicide. Paper presented at the annual Northern Irish British Psychological Society conference in Fermanagh, Northern Ireland.
- Hussey, I., & Barnes-Holmes, D. (2012).** Exploring the role of the contrast variable as a source of contextual control within the IRAP. Paper presented at the annual Psychological Society of Ireland's Division of Behavioral Analysis conference in Dublin, Ireland.
- Hussey, I., & Barnes-Holmes, D. (2012).** Pro-Death Implicit Attitudes found in Normative Participants. Poster presented at the annual Association for Psychological Science conference in Chicago, IL.
- Hussey, I., & Barnes-Holmes, D. (2010).** Using the IRAP to explore the role of acceptance in depression. Paper presented at the annual Psychological Society of Ireland's Student Congress in Dublin, Ireland.
- Hussey, I., & Barnes-Holmes, D. (2011).** An exploration of the IRAP as a measure of implicit depression. Paper presented at the annual Association for Contextual Behavioral Science conference in Parma, Italy.

Teaching

Note that I designed the courses labelled with '*' to be part of the master's focus in Psychology of Digitalisation at the Institute of Psychology, University of Bern. Courses labelled with '**' are currently mandatory courses in the master's focus.

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| 2024 | <i>Psychology in crisis? Replications and reform movements in psychological science *</i>
Co-taught with Prof. Malte Elson
Master's level seminar
University of Bern |
| 2024 | <i>Improving the credibility of future research II: Improving your statistical inferences through simulation studies in R *</i>
Master's level seminar
University of Bern
<i>Open materials:</i> github.com/ianhussey/simulation-course |
| 2024 | <i>The science of behavior: An introduction to behaviorism in principle and practice</i>
Co-taught with Dr. Sabrina Norwood
Master's level seminar
University of Bern |
| 2023 | <i>Psychology in crisis? Replications and reform movements in psychological science *</i>
Co-taught with Prof. Malte Elson
Master's level seminar
University of Bern |
| 2023 | <i>Estimating the credibility of past research *</i>
Master's level seminar
University of Bern
<i>Mean course evaluation:</i> 5.5 |

2023	<p><i>Improving the credibility of future research I: Digital project management, data preparation and visualisation **</i></p> <p>Master's level seminar</p> <p>University of Bern</p> <p>Open materials: github.com/ianhussey/data-wrangling-and-visualization-course</p> <p>Mean course evaluation: 5.6</p>
2023	<p><i>The science of behavior: An introduction to behaviorism in principle and practice</i></p> <p>Co-taught with Dr. Sabrina Norwood</p> <p>Bachelor's level seminar</p> <p>University of Bern</p> <p>Mean course evaluation: 5.1</p>
2023	<p><i>How to conduct systematic reviews of research methods aka "meta-methods reviews"</i></p> <p>Co-taught with Prof. Malte Elson</p> <p>Doctoral level seminar</p> <p>8th Trifels Summer School on Open Science, University of Mannheim</p>
2023	<p><i>Psychology in crisis? An introduction to the Open Science movement and the evidence it has generated</i></p> <p>Bachelor's level seminar</p> <p>Ruhr University Bochum</p>
2023	<p><i>Research orientated internship</i></p> <p>Bachelor's level seminar</p> <p>Ruhr University Bochum</p>
2017	<p><i>Using PsychoPy for experimental psychology research</i></p> <p>Doctoral level seminar</p> <p>Ghent University</p>
2013-2014	<p><i>Using PsychoPy for experimental psychology research</i></p> <p>Doctoral level seminar</p> <p>Maynooth University</p>
2011	<p><i>Research methodology and statistics using SPSS</i></p> <p>Master's level seminar</p> <p>Trinity College Dublin, School for Clinical Speech and Language Studies</p>
2010-2014	<p><i>Visual Basic programming for experimental psychology</i></p> <p>Bachelor's level seminar</p> <p>Maynooth University</p>
2010-2014	<p><i>Tutorials</i> (small group sessions supplementing Bachelor's level lecture series)</p> <p>Maynooth University</p> <ul style="list-style-type: none"> - Biological & developmental psychology - Cognitive & social psychology - Biological bases of behavior - Perception & memory - Learning, language & development - Thought, language & social cognition

Competitive funding

Total:	circa 240 000 CHF
2024	<p>Scientific Exchange</p> <p>Swiss National Science Foundation</p> <p>3 420 CHF</p>

2017	Postdoctoral research fellowship Ghent University Special Research Fund € 200 000
2012-2014	Government of Ireland Ph.D. scholarship Irish Research Council € 43 000
2013	Funding for a research assistant Summer Program for Undergraduate Research (SPUR) Maynooth University, Ireland € 1 800
2007	Entrance scholarship Maynooth University, Ireland Awarded for “outstanding academic achievement” € 1 000

Grant applications under review

I am a collaborator on the following grant applications. Funds requested refer to those that would potentially be awarded to the Department of Psychology of Digitalisation (i.e., excluding funds for external collaborators).

Under review	<p>“Estimating the robustness, reproducibility, replicability, and generalisability of AI research” <i>Grant type:</i> National Centre of Competence in Research (NCCR) <i>Funding body:</i> Swiss National Science Foundation <i>Applicant:</i> The Collaborative Human and Artificial Intelligence consortium <i>Collaborators:</i> Prof. Malte Elson (University of Bern) Prof. Rui Mata (University of Basel) Prof. Bastian Rieck (University of Fribourg) <i>Funds requested:</i> 1 000 000 CHF</p>
Under review	<p>“Using Large Language Models to detect (undisclosed) deviations from clinical trial registrations” <i>Grant type:</i> National Centre of Competence in Research (NCCR) <i>Funding body:</i> Swiss National Science Foundation <i>Applicant:</i> The Collaborative Human and Artificial Intelligence consortium <i>Collaborators:</i> Prof. Malte Elson (University of Bern) Prof. Matthias Egger (University of Bern) <i>Funds requested:</i> 950 000 CHF</p>
Under review	<p>“SYNTH: Evaluating Transformer Models to generate synthetic replications, nomological nets, and peer reviews” <i>Grant type:</i> Weave Lead Agency grant <i>Funding bodies:</i> Swiss National Science Foundation & German Research Foundation (DFG) <i>Applicant:</i> Dr. Björn Hommel (University of Leipzig) <i>Collaborators:</i> Prof. Malte Elson (University of Bern) Dr. Ruben Arslan (University of Leipzig) <i>Funds requested:</i> 404 000 CHF</p>
Under review	<p>“HASHTAG: Healthier app and smartphone habits through tailored guidance” <i>Grant type:</i> Postdoctoral fellowship <i>Funding body:</i> Swiss National Science Foundation <i>Applicant:</i> Dr. Sabrina Norwood (University of Bern) <i>Collaborators:</i> Prof. Malte Elson (University of Bern)</p>

Funds requested: 253 000 CHF

Awards

- | | |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2020 | <p>Commendation
 <i>Society for the Improvement of Psychological Science</i>
 Awarded “for the curation of the Attitudes, Identity, and Individual Differences dataset: a large dataset with high reuse potential within the behavioral sciences”</p> |
| 2013 | <p>‘Making an Impact’ award
 <i>Irish Higher Education Authority & Irish Independent Newspaper</i>
 Awarded “for research likely to make a difference to a particular aspect of Irish life, to the country as a whole, or internationally”
 € 1 000</p> |

Supervisory experience

Doctoral students

- | | |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2018-2021 | <p>‘Developing new measures of spontaneous beliefs’
 Co-supervision of a Ph.D. student at Ghent University</p> |
| 2016-2018 | <p>‘Examining the reinforcing properties of suicidal ideation’
 External co-supervision of a D.Clin.Psych. student at University of Lincoln, UK</p> |

Master’s students

- | | |
|-----------|----------------------------------|
| 2024 | 3 students at University of Bern |
| 2018-2020 | 2 students at Ghent University |

Research assistants

- | | |
|--------------|-------------------------------------------------|
| 2023-present | 1 research assistant at University of Bern |
| 2022-2023 | 2 research assistants at Ruhr University Bochum |
| 2013-2014 | 2 research assistants at Maynooth University |

Bachelor’s students

- | | |
|-----------|--------------------------------------|
| 2023-2024 | 1 student at University of Bern |
| 2022-2023 | 3 students at Ruhr University Bochum |
| 2011-2015 | 23 students at Maynooth University |

Editorial & review work

Editorial boards

- | | |
|-----------|------------------------------------------------------------------------------|
| 2017-2020 | <p>Editorial Board
 Journal of Contextual Behavioral Science</p> |
|-----------|------------------------------------------------------------------------------|

Editorial work

- | | |
|-----------|------------------------------------------------------------------------------|
| 2010-2012 | <p>Associate Editor
 Journal of European Psychology Students</p> |
|-----------|------------------------------------------------------------------------------|

Professional service

- | | |
|-----------|--------------------------------------------------------------------------------------------------------------|
| 2012-2013 | <p>Graduate Advocate
 Association for Psychological Science Student Caucus - Executive Board</p> |
|-----------|--------------------------------------------------------------------------------------------------------------|

2011-2012 Regional Representative for Europe
 Association for Psychological Science Student Caucus

Media coverage & training

Media coverage of my work

2024 *Nature*
 World View
 ‘A Bug Bounty Program for Science’
 by Malte Elson
 [forthcoming]

2024 *Science*
 News in Brief
 ‘Wanted: scientific bounty hunters’
www.science.org/content/article/news-glance-moon-landing-scientific-bounty-hunters-and-postdocs-facing-hunger

2024 *The Chronicle of Higher Education*
 ‘Wanted: Scientific Errors. Cash Reward’
 by Stephanie M. Lee
www.chronicle.com/article/wanted-scientific-errors-cash-reward

Radio interviews related to my research

2015 RTE Radio 1 – *Bright Sparks*
 2013 RTE Radio 1 – *Drivetime*
 2013 Today FM – *News*
 2013 SPIN 103.8 – *News*
 2013 Kildare FM – *News*

Media training

2013 Direct instruction in media training and press release writing
Maynooth University Communications Office

Technical skills

Programming languages (level of expertise)

- R (advanced)
 - o Package development
 - ERROR: Tools to detect errors in scientific publications
github.com/ianhussey/ERROR
 - SCED: Plot, analyse, and meta-analyse Single Case Experimental Design data
github.com/ianhussey/sced
 - o Interactive dashboards using Shiny and Quarto
 - The diagnosticity of a p -value: mmmdata.shinyapps.io/false-discovery-rate
 - Graphical exploration of a large dataset: mmmdata.shinyapps.io/ATIDexplorer
- Version control, sharing of data and code (advanced)
 - o Using git/Github: github.com/ianhussey

Data collection, processing, & visualisation (specific R packages or other software tools)

- Online behavioral data collection (PsychoPy, Inquisit, labJS)
- Visualisation (ggplot2, sjPlot, tidybayes, D3.js, plot.ly)
- Data wrangling and processing (dplyr, tidyr, stringr, lubridate, janitor, dbplyr, SQL)
- Reproducible reports and literate programming (RMarkdown, Quarto, jupyter)

Statistical analysis methods (specific R packages)

- Multilevel generalized linear modelling, both frequentist and Bayesian (lme4, brms)
- Meta-analysis (metafor, meta)
- Network analysis (qgraph, bootnet)
- Data simulation and Monte Carlo simulation studies (faux, simstudy, purrr, and my own in-development package *simulateR*)
- Confirmatory factor analysis and structural equation modeling (lavaan)
- Item response theory/Rasch modeling (ltm)
- Single case experimental design (my own package: SCED)
- Multiple imputation (mice)
- Synthetic datasets (synthpop)

Open Science practices

- Open-Source teaching materials
 - o Improving statistical inferences using Monte Carlo simulation studies (Masters seminar)
 - github.com/ianhussey/simulation-course
 - o Data wrangling and visualisation (Masters seminar)
 - github.com/ianhussey/data-wrangling-and-visualization-course
- Pre-registration (Open Science Framework)
- FAIR data curation, codebooks, sharing (see my OSF page: osf.io/3kzh8)
- Preprints (PsyArXiv)

Languages

English	Native
Irish	B1
Dutch	A2
German	A2

References

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