

DR BEN COLAGIURI

Curriculum Vitae

Profile In brief

I received a PhD in Psychology from the University of Sydney in 2010, where I currently hold a Senior Lectureship and an ARC Discovery Early Career Research Award. The majority of my research focuses on the placebo effect and associative learning, where I use experimental models to understand these fascinating aspects of human behaviour. Teaching experience includes co-ordinating, lecturing, and tutoring courses on learning and motivation, statistics and research design, and health psychology, as well as higher degree research supervision. I also regularly engage with the community to promote science and via TV, radio, and print media contributions as well as science outreach programmes.

Career Highlights

- Attracted over \$1.4 million in competitive research funding, including three nationally competitive Australian Research Council grants.
- Published 40 international peer-reviewed journal articles with 10 appearing in journals ranked in the top 10% of their field and 26 in ERA A or A* ranked journals.
- Obtained an h-index of 16 with over 600 total citations within 6 years of PhD completion
- *NSW Young Tall Poppy Science Award 2015* for outstanding scientific research and communication.
- *Australian Psychological Society Early Career Research Award 2014* for excellence in scientific achievement by an early career psychologist.
- Featured as an expert researcher in multiple media stories on the placebo effect, including *SBS Insight*, *ABC Nano*, and *Prime7 News*.
- Selected to represent Psychology Foundation of Australia at *Science Meets Parliament 2012*, including delivering presentations on the importance of Science to Federal MPs.

Education

- Doctor of Philosophy (Psychology), University of Sydney, Sydney, Australia, 2010
- Bachelor of Psychology (Hons I), University of Sydney, Sydney, Australia, 2005
- Higher School Certificate, St Aloysius College, Sydney, Australia, 1998

Employment

- Australian Research Council Discovery Early Career Researcher, School of Psychology, University of Sydney, 2016 to present
- Senior Lecturer, School of Psychology, University of Sydney, 2015 to present
- Lecturer, School of Psychology, University of Sydney, 2012 to 2014
- Vice-Chancellor's Postdoctoral Research Fellow, School of Psychology, University of New South Wales, 2011 to 2012
- Postdoctoral Fellow, Centre for Complementary Medicine Research, University of Western Sydney, 2009 to 2010

Competitive Grants

- G1. Colagiuri, B. Something from nothing: how placebo effects are formed and maintained. Australian Research Council Discovery Early Career Research Award, 2016-2018 (\$383,000).
- G2. Colagiuri, B. & Sharpe, L. RCTs on trial: how placebo effects could undermine double-blind RCTs. Australian Research Council Discovery Project, 2015-2017 (\$295,000).
- G3. Colagiuri, B. Exploring placebo effects in RCTs. University of Sydney DVC/Research Bridging Support Grant, 2014 (\$30,000).
- G4. Lovibond, P.F., & Colagiuri, B. The role of reward expectancy and reward availability in appetitive motivation. Australian Research Council Discovery Project, 2013-2015 (\$268,000).
- G5. McGrane, J., Colagiuri, B., & Sharpe, L. The psychometrics of pain: a collaboration to improve pain assessment in clinical trials. University of Western Australia Research Collaboration Award, 2013 (\$12,000).
- G6. Colagiuri, B. The placebo effect and its mechanisms. University of New South Wales Vice-Chancellor's Postdoctoral Fellowship, 2011-2014 (\$257,000).
- G7. Colagiuri, B. Extinction of placebo effects. University of New South Wales Early Career Research Grant, 2012 (\$15,000).
- G8. Colagiuri, B. A pilot RCT comparing acupuncture needling alone with acupuncture needling plus lifestyle advice for chronic low back pain. University of Western Sydney Research Seed Grant, 2010 (\$7,500).
- G9. Cheema, B., Colagiuri, B., Smith, C. The effects of acupuncture and instruction on exercise recovery in healthy young adults. University of Western Sydney New Project Development Program Grant, 2010 (\$5,000)
- G10. Dhillon, H., Butow, P., Colagiuri, B., Jensen, J., Jacquet, J., & Cox, K. Educating patients about chemotherapy and side-effects: What do nurses say? University of Sydney Cancer Research Fund Grant, 2009 (\$40,000).

Book Chapters

- B1. Colagiuri, B., & Lovibond, P. F. (2013). Psychological processes that can bias responses to placebo treatment for pain. In Flaten, M., Colloca, L., & Meissner, K (eds). *Placebo & Pain*. Elsevier.
- B2. Chang, D., Colagiuri, B., & Luo, R. (2013). Chinese medicine used to treat dementia. In A. Scholey & C. Stough (Eds). *Advances in Natural Medicines, Nutraceuticals, and Neurocognition*. CRC Press: Boca Raton.

Peer Reviewed Publications

- P1. Colagiuri, B. & Livesey, E. J. (2016). Contextual cuing as a form of nonconscious learning: theoretical and empirical analysis in large and very large samples. *Psychonomic Bulletin & Review*. [Epub ahead of print]
- P2. Bezzina, L., Lee, J. C., Lovibond, P. F., Colagiuri, B. (2016). Extinction and renewal of cue-elicited reward-seeking. *Behaviour Research and Therapy*, 87: 162-169.
- P3. Todd, J., Sharpe, L., Colagiuri, B., & Khatibi, A. (2016). The effect of threat on cognitive biases and pain outcomes: an eye tracking study. *European Journal of Pain*, 20: 1357-1368.
- P4. Quinn, V. F. & Colagiuri, B. (2016). Sources of placebo-induced relief from nausea: the role of instruction and conditioning. *Psychosomatic Medicine*, 78: 365-372.
- P5. Todd, J., Sharpe, L., Colagiuri, B. (2016). Attentional bias modification and pain: The role of sensory and affective stimuli. *Behaviour Research and Therapy*, 83: 53-61.

Peer Reviewed Publications (continued)

- P6. Mills, L., Baokes, R. A., & Colagiuri, B. (2016). Placebo caffeine reduces withdrawal in abstinent coffee drinkers. *Journal of Psychopharmacology*, *30*: 388-394.
- P7. Urroz, P., Colagiuri, B., Smith, C. A., & Cheema, B. (2016). Effect of acupuncture and instruction on physiological recovery from maximal exercise: a balanced placebo-controlled trial. *BMC Complementary and Alternative Medicine*, *16*: Article 227.
- P8. Tonin, R., Brett, J., & Colagiuri, B. (2016). The effect of infrasound and negative expectations to adverse pathological symptoms from wind farms. *Journal of Low Frequency Noise, Vibration, and Active Control*, *35*: 77-90.
- P9. Colagiuri, B., Schenk, L. A., Kessler, M. D., Dorsey, S. G., & Colloca, L. (2015). The placebo effect: from concepts to genes. *Neuroscience*, *307*:171-190.
- P10. Colagiuri, B., Quinn, V. F., & Colloca, L. (2015). Nocebo hyperalgesia, partial reinforcement, and extinction. *Journal of Pain*, *16*: 995-1004.
- P11. Todd, J., Sharpe, L., Johnson, A., Nicholson Perry, K., Colagiuri, B., and Dear, B. (2015). Towards a new model of attentional biases in the development, maintenance and management of pain. *Pain*, *156*: 1589-1600.
- P12. Lovibond, P.F., Satkunarajah, M., & Colagiuri, B. (2015). Extinction can reduce the impact of reward cues on reward-seeking behaviour. *Behavior Therapy*, *46*: 432-438.
- P13. Quinn, V. F. & Colagiuri, B. (2015). Placebo interventions for nausea: a systematic review. *Annals of Behavioral Medicine*, *49*: 449-462.
- P14. Colagiuri, B. & Lovibond, P. F. (2015). How food cues can enhance and inhibit motivation to obtain food. *Appetite*, *84*: 79-87.
- P15. Quinn, V. F., MacDougall, H. G., & Colagiuri, B. (2015). Galvanic Vestibular Stimulation: a new model of placebo-induced nausea. *Journal of Psychosomatic Research*, *78*: 484-488.
- P16. Neukirch, N. & Colagiuri, B. (2015). The placebo effect, sleep difficulty, and side effects: a balanced placebo model. *Journal of Behavioral Medicine*, *38*: 273-283.
- P17. Au Yeung, Y. S., Colagiuri, B., Lovibond, P. F., Colloca, L. (2014). Partial reinforcement, extinction, and placebo analgesia. *Pain*, *155*: 1110-1117.
- P18. Yeung, A., Kiat, H., Denniss, A., Cheema, B., Bensoussan, A., Machliss, B., Colagiuri, B., Chang, D. (2014). Randomised controlled trial of a 12 week yoga intervention on negative affective states, cardiovascular and cognitive function in post-cardiac rehabilitation patients. *BMC Complementary and Alternative Medicine*, *14*: 411.
- P19. Lovibond, P. F. & Colagiuri, B. (2013). Facilitation of voluntary goal-directed behaviour by reward cues. *Psychological Science*, *24*: 2030-2037.
- P20. Carmady, B., Smith, C. A., Colagiuri, B. (2013). A comparison of decision-making processes for conventional and complementary medicine in cancer patients. *Complementary Therapies in Clinical Practice*, *19*: 32-35.
- P21. Tang, C. W. & Colagiuri, B. (2013). Can an educational handout enhance placebo analgesia for experimentally-induced pain? *PLoS One*, *8*: e77544. doi:10.1371
- P22. Colagiuri, B., Dhillon, H., Butow, P. N., Jansen, J., Cox, K., & Jacquet, J. (2013). Does assessing patient's expectancies about chemotherapy side effects influence their occurrence? *Journal of Pain and Symptom Management*, *46*: 275-281.
- P23. Cheema, B. S., Houridis, L., Busch, L., Raschke-Cheema, V., Melville, G. W., Marshall, P. W., Chang, D., Lonsdale, C., Bowmna, J., Colagiuri, B. (2013). Effect of an office worksite-based yoga program on heart rate variability: outcomes of a randomised controlled trial. *BMC Complementary and Alternative Medicine*, *13*: 82-91.

Peer Reviewed Publications (continued)

- P24. Urroz, P., Colagiuri, B., Smith, C. A., & Cheema, B. (2013). Effect of acute acupuncture treatment on exercise performance and post-exercise recovery: A systematic review. *Journal of Alternative and Complementary Medicine*, 19: 9-16.
- P25. Colagiuri, B., McGuinness, K., Boakes, R. A., Butow, P. (2012). Warning about side effects can increase their occurrence: and experimental model using placebo treatment for sleep difficulty. *Journal of Psychopharmacology*, 26: 1540-1547.
- P26. Colagiuri, B., & Smith, C. A. (2012). A systematic review of the effect of expectancy on treatment responses to acupuncture. *Evidenced-based Complementary Medicine*, 2012: Article ID 857804, 12 pages.
- P27. Colagiuri, B., King, M., Butow, P., et al. (2012). A comparison of the FACT-G and Supportive Care Needs Survey (SCNS) in women with ovarian cancer: Unidimensionality of constructs. *Quality of Life Research*, 21: 887-897.
- P28. Melville, G., Chang, D., Colagiuri, B., Marshall, P., & Cheema, B. (2012). Fifteen minutes of chair-based yoga postures or guided meditation performed in the office can elicit a relaxation response. *Evidence-based Complementary and Alternative Medicine*, 2012: Article ID 501986, 9 pages.
- P29. Oguchi, M., Jansen, J., Butow, P., Colagiuri, B., Devine, R., & Dhillon, H. (2011). Measuring the impact of nurse cue-response behaviour on cancer patients' emotional cues? *Patient Education & Counseling*, 82: 163-168.
- P30. Colagiuri, B., Livesey, E., & Harris, J. A. (2011). Can expectancies produce placebo effects for implicit learning? *Psychonomic Bulletin & Review*, 18: 399-405.
- P31. Colagiuri, B., Christensen, S., Jensen, A. B., Butow, P., Price, M., & Zachariae, R. (2011). Prevalence and predictors of sleep difficulty in a national cohort of Danish women with primary breast cancer. *Journal of Pain and Symptom Management*, 42: 710-720.
- P32. Cheema, B., Marshall, P., Chang, D., Colagiuri, B., & Machliss, B. (2011). Effect of an office worksite-based yoga program on heart rate variability: A randomized controlled trial. *BMC Public Health*, 11: 578.
- P33. Cao, H., Hu, H., Colagiuri, B., Liu, J (2011). Medicinal cupping therapy in 30 patients with fibromyalgia: A case series observation. *Forschende Komplementarmedizin*, 18: 122-126.
- P34. Colagiuri, B. & Boakes, R. A. (2010). Perceived treatment, false feedback, and cognitive performance in two dummy double-blind RCTs. *Psychopharmacology*, 208: 433-441.
- P35. Colagiuri, B. & Zachariae, R. (2010). Patient expectancy and post-chemotherapy nausea: a meta-analysis. *Annals of Behavioral Medicine*, 40: 3-14.
- P36. Boakes, R.A, Colagiuri, B., & Mahon, M. (2010). Learned aversions to flavours signalling reduction in a nutrient. *JEP: Animal Behavior Processes*, 36: 117-125.
- P37. Roscoe, J.A., Morrow, G.R., Colagiuri, B., Heckler, C.E., Pudlo, B.D., et al. (2010). Insight in the prediction of chemotherapy-induced nausea. *Supportive Care in Cancer*, 18: 896-876.
- P38. Colagiuri, B. (2010). Participant expectancies in randomised double-blind placebo controlled trials: Potential limitations to trial validity. *Clinical Trials*, 7: 246-255.
- P.39 Colagiuri, B., Morley K., Boakes, R. A., & Haber, P. (2009). Expectancy in double-blind placebo-controlled trials: An example from alcohol dependence. *Psychotherapy & Psychosomatics*, 78: 167-171.
- P.40 Colagiuri, B., Roscoe, J.A., Morrow, G.R., Atkins, J.N., Giguere, J.K. & Colman, L.K. (2008). How do patient expectancies, quality of life, and post-chemotherapy nausea interrelate? *Cancer*, 113: 654-661.

Letters to the Editor

- L1. Colagiuri, B. & Benedetti, F. (2010). Testing for blinding is the only way to determine whether a trial is blind. *British Medical Journal: Rapid Response* 20th April, 2010

Invited Talks

- T1. Colagiuri, B. "How instruction and conditioning shape placebo effects for nausea" Inaugural Meeting of the Society for Interdisciplinary Placebo Studies, Leiden, Netherlands, 2017 (upcoming)
- T2. Colagiuri, B. "Nocebo effects: from nausea to pain" Kolling Institute of Medical Research, Royal North Shore Hospital, August, 2016 (upcoming)
- T3. Colagiuri, B. "The nocebo effect: from nausea to pain" University of Deusto, Spain, 2016
- T4. Colagiuri, B. "How reward cues influence voluntary goal directed behaviour" *Faculty of Psychology and Educational Sciences*, Leuven University, Leuven, Belgium, 2015.
- T5. Colagiuri, B. "Placebo-induced side effects: the dark side of the placebo effect" *Faculty of Psychology and Educational Sciences*, Leuven University, Leuven, Belgium, 2015.
- T6. Colagiuri, B. "The placebo effect: from nausea to pain" *Centre to Advance Chronic Pain Research*, University of Maryland, USA, 2015
- T7. Colagiuri, B. "Placebos, drug trials, and side effects" *National Psychology Week Australian Psychological Society Conference*, NSW Parliament House, Sydney, Australia, 2014
- T8. Colagiuri, B. "The placebo effect: Much ado about nothing?" *Nerd Nite*, Café Lounge, Sydney, Australia, 2013
- T9. Colagiuri, B. "Blinding in randomised controlled trials: to test or not to test?" *National Health and Medical Council's Clinical Trials Centre*, University of Sydney, Sydney, Australia, 2012
- T10. Colagiuri, B. "The Placebo Effect" *Museum of Human Disease Discovery Talk*, University of New South Wales, Sydney, Australia, 2011
- T11. Colagiuri, B. "The Placebo Effect" *Australian Learning Group*, University of New South Wales, Sydney, Australia, 2010
- T12. Colagiuri, B. "Placebo Effects in Oncology" *Researchers in Oncology and Medical Psychology*, University of Sydney, Sydney, Australia, 2007
- T13. Colagiuri, B. "Placebo effects in Oncology" *ANZAC Research Institute's Annual Symposium*, Concord Repatriation General Hospital, Sydney, Australia, 2007
- T14. Colagiuri, B. "The placebo effect and treatment side effects" *Sydney Psycho-Oncology Collaboration*, Royal Prince Alfred Hospital, Sydney, Australia, 2006
- T15. Colagiuri, B. "Does invasiveness mediate the placebo effect for smoking cessation?", *Substance Abuse Research Group*, University of Sydney, Sydney, Australia, 2006

International Symposia

- S1. Colagiuri, B., Colloca, L., Geers, A. "Something from nothing: how to improve health outcomes via the placebo effect". International Congress of Behavioral Medicine, Australia, 2016 (upcoming)
- S2. Colagiuri, B., Colloca, L., Nir, R. "Placebo and nocebo pain modulation: a mechanism-based approach to maximizing analgesia and minimizing hyperalgesia". World Congress on Pain, Japan, 2016

Media and Communication Highlights

- *The Midday Interview with Margaret Throsby*, ABC Classic FM, 22nd March, 2016
- Expert guest on *SBS Insight's* feature "Placebo", 22nd February, 2016
- Featured researcher on *ABC Nano's* mini-documentary "Why warning labels have side effects", 14th December, 2015
- Invited article "The Placebo effect: all this hype about nothing?" for *InPsych*, the Australian Psychological Society's magazine, October, 2015.
- Interviewed on *Prime7 News* story "The placebo effect", 22nd November, 2014
- Selected to represent Psychology Foundation of Australia at *Science Meets Parliament*, including presenting to Federal MPs, 17-18th November, 2012
- Featured in a *Women's Health* story on "Placebo: fake pill, real power", 14th November, 2011
- Expert guest on *Triple J Hack's* feature on the placebo effect, 4th September, 2009

Prizes and Awards

- International Congress of Behavioural Medicine Early Career Researcher Award, International Society for Behavioural Medicine, 2016
- Finalist, Top 5 Under 40 ABC Science Communication Competition, 2016
- New South Wales Young Tall Poppy Science Award, Australian Institute for Policy and Science, 2015
- Australian Psychological Society (APS) Early Career Research Award, 2014
- Postgraduate Publication Prize, School of Psychology, University of Sydney, 2009
- Campbell-Perry International Research Travel Prize, 2007
- Australian Postgraduate Award, 2006-2009
- Best Presentation, University of Sydney Postgraduate Psychology Conference, 2006
- Commonwealth Learning Scholarship for Academic Achievement, 2005
- Invited to International Golden Key Society for Academic Achievement, 2003

Society Memberships

- Australian Psychological Society (Member)
- Society for Interdisciplinary Placebo Studies (Member)
- International Association for the Study of Pain (Member)
- Psychonomic Society (Fellow)
- Australian Learning Group (Member)
- Sydney Catalyst Translational Cancer Research (Member)
- Sydney Neurosciences Network (Member)