

Curriculum Vitae

Name: Lincoln M. Tracy

Position: Research Fellow

Affiliation: School of Public Health and Preventive Medicine, Monash University, Australia

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Tertiary Qualifications

Doctor of Philosophy (Psychology), Monash University (2014-2017)

Specialist Certificate in Clinical Research (Neuroscience), The University of Melbourne (2013)

Bachelor of Biomedical Science (Honours), Monash University (2009-2012)

Publications

Accepted/In Press/Epub ahead of Print

Williams, D.P., **Tracy, L.M.**, Gerado, G.M., Rahman, T., Spangler, D.P., Koenig, J., & Thayer, J.F. (accepted 17/04/2018). Sex moderates the relationship between resting heart rate variability and self-reported difficulties in emotion regulation. *Emotion*. doi: [10.1037/emo0000500](#)

2019

McInnes, J.A., Cleland, H., **Tracy, L.M.**, Darton, A., Wood, F.M., Perrett, T., Gabbe, B.J. (2019). Epidemiology of work-related burn injuries presenting to burn centres in Australia and New Zealand. *Burns*, 45(2): 484-493. doi: [10.1016/j.burns.2018.09.011](#)

2018

Tracy, L.M., Koenig J., Georgiou-Karistianis N., Gibson S.J., & Giummarra M.J. (2018). Heart rate variability is associated with thermal heat pain threshold in males, but not females. *International Journal of Psychophysiology*, 131(September): 37-43. doi: [10.1016/j.ijpsycho.2018.02.017](#)

Petersen, K.K., Andersen, H.H., Tsukamoto, M., **Tracy, L.M.**, Koenig, J., & Ardent-Nielsen, L. (2018). Parasympathomimetic effects of propranolol increases heart rate variability but does not influence experimental pain sensitivity or conditioned pain modulation in healthy males – a randomised placebo-controlled crossover study. *Scandinavian Journal of Pain*, 18(3): 479-489. doi: [10.1515/sjpain-2018-0054](#)

Tracy, L.M., Jarczok M.N., Ellis R.J., Bach C., Hillecke T.K., Thayer J.F., & Koenig, J. (2018). Heart rate variability and sensitivity to experimentally induced pain: A replication. *Pain Practice*, 18(5): 687-689. doi: [10.1111/papr.12652](#)

Tracy, L.M., Gibson, S.J., Labuschagne, I., Georgiou-Karistianis, N., & Giummarra, M.J. (2018). Intranasal oxytocin reduces heart rate variability during a mental arithmetic task: A randomised, double-blind, placebo-controlled cross-over study. *Progress in*

Neuropsychopharmacology & Biological Psychiatry, 81: 408-415. doi:
[10.1016/j.pnpbp.2017.08.016](https://doi.org/10.1016/j.pnpbp.2017.08.016)

2017

Tracy, L.M. (2017). Psychosocial factors and their influence on the experience of pain. *PAIN Reports*, 2 (4): e602. doi: [10.1097/PR9.0000000000000602](https://doi.org/10.1097/PR9.0000000000000602)

Tracy, L.M. & Giummarra, M.J. (2017). Sex differences in empathy for pain: What is the role of autonomic regulation? *Psychophysiology*, 54 (10): 1549-1558. doi: [10.1111/psyp.12895](https://doi.org/10.1111/psyp.12895)

Tracy, L.M., Gibson, S.J., Georgiou-Karistianis, N., & Giummarra, M.J. (2017). Effects of explicit cueing and ambiguity on the anticipation and experience of a painful thermal stimulus. *PLoS ONE*, 12 (8): e0183650. doi: [10.1371/journal.pone.0183650](https://doi.org/10.1371/journal.pone.0183650)

Tracy, L.M., Labuschagne, I., Georgiou-Karistianis, N., Gibson, S.J., & Giummarra, M.J. (2017). Sex-specific effects of intranasal oxytocin on thermal pain perception: A randomised, double-blind, placebo-controlled cross-over study. *Psychoneuroendocrinology*, 83, 101-110. doi: [10.1016/j.psyneuen.2017.05.028](https://doi.org/10.1016/j.psyneuen.2017.05.028)

2016

Tracy, L.M., Georgiou-Karistianis, N., Gibson, S.J., & Giummarra, M.J. (2016). Location, location, location: Variation in sensitivity to pain across the body. *European Journal of Pain*, 20 (10): 1721-1729. doi: [10.1002/ejp.895](https://doi.org/10.1002/ejp.895)

Tracy, L.M., Ioannou, L., Baker, K.S., Gibson, S.J., Georgiou-Karistianis, N., & Giummarra, M.J. (2016). Meta-analytic evidence for decreased heart rate variability in chronic pain implicating parasympathetic nervous system dysregulation. *PAIN*, 157 (1): 7-29. doi: [10.1097/j.pain.0000000000000360](https://doi.org/10.1097/j.pain.0000000000000360)

2015

Tracy, L.M., Georgiou-Karistianis, N., Gibson, S.J., & Giummarra, M.J. (2015). Oxytocin and the modulation of pain experience: Implications for chronic pain management. *Neuroscience and Biobehavioral Reviews*, 55, 53-67. doi: [10.1016/j.neubiorev.2015.04.013](https://doi.org/10.1016/j.neubiorev.2015.04.013)

2014

Broadbear, J.H., Kabel, D., **Tracy, L.M.**, & Mak, P. (2014). Oxytocinergic regulation of endogenous as well as drug-induced mood. *Pharmacology, Biochemistry and Behaviour*, 119, 61-71. doi: [10.1016/j.pbb.2013.07.002](https://doi.org/10.1016/j.pbb.2013.07.002)

Book Chapters

2017

Giummarra, M.J., **Tracy, L.M.**, Young, K.A., & Fitzgibbon, B.M. (2017). The social side of pain: What does it mean to feel another's pain? In S. van Rysewyk (Ed.) *Meanings of pain*. Springer International Publishing: Switzerland. p. 355-373.

Conference Abstracts

2017

Perkins, M., Giummarra, M.J., & **Tracy, L.M.** (2017). The effect of oxytocin on autonomic flexibility following a traumatic experience: A pilot study. *Front. Hum. Neurosci. Conference Abstract: ASP2017 – the 27th Annual Meeting of the Australasian Society for Psychophysiology, Sydney, Australia*. doi: [10.3389/conf.fnhum.2017.224.00030](https://doi.org/10.3389/conf.fnhum.2017.224.00030)

2016

Tracy, L.M. & Giummarra, M.J. (2016). Females display increased empathy for pain and poorer autonomic regulation under cognitive stress compared to males. *Front. Hum. Neurosci. Conference Abstract: ASP2016 – the 26th Annual Meeting of the Australasian Society for Psychophysiology, Adelaide, Australia*. doi: [10.3389/conf.fnhum.2016.221.00011](https://doi.org/10.3389/conf.fnhum.2016.221.00011)

2015

Tracy, L.M., Gibson, S.J., Georgiou-Karistianis, N. & Giummarra, M.J. (2015). Impact of explicit cuing on anxiety and arousal during the anticipation of thermal pain. *Anaesthesia and Intensive Care*, 43 (3), 380-411.

Technical Reports

2018

Tracy, L.M., McInnes, J.A., Gong, J., Gabbe B.J., & Thomas, T. (2018). Burns Registry of Australia and New Zealand 8th Annual Report. Monash University, Melbourne. [Available online](#).

Competitive Funding and Awards

Sex, Gender and Pain SIG Poster Award, International Association for the Study of Pain World Congress, USD 500, 2018

Invited participant in Fresh Science Victoria, 2018.

First Trainee from the Southern Hemisphere to Receive an Invitation to attend the North American Pain School (Montebello, Quebec), 2017.

Postgraduate Publication Award, Monash University, AUD 4,512, 2017.

PhD Student Honours Supervision Initiative, Monash University, AUD 1,500, 2016.

World Congress Financial Aid, International Association for the Study of Pain, USD 450, 2016.

PhD Student Travel Grants, Australian Pain Society, AUD 1,500, 2015-2017.

PhD Student Top Up Stipend, Monash University, AUD 18,000, 2014-2017.

Faculty of Medicine Postgraduate Research Scholarship, Monash University, AUD 76,176, 2014-2017.

Presentations

- Singer, Y., Tracy, L.M., Bessey, P.Q., Peck, M.D., Phillips, B., McInnes, J., Cleland, H., & Gabbe, B.J. (2018). Benchmarking across the Pacific [Oral Presentation]. *19th Congress of the International Society Burn Injuries*, New Delhi, India.
- Singer, Y., Padiglioni, A., Tracy, L.M., Gabbe, B.J., Perret, T., Cleland, H., & Raby, E. (2018). Positive blood cultures in a burn cohort, epidemiology and outcomes: Findings from the Burns Registry of Australia and New Zealand [Oral Presentation]. *19th Congress of the International Society Burn Injuries*, New Delhi, India.
- Tracy, L.M., Singer, Y., McInnes, J.A., & Gabbe, B.J. on behalf of the BRANZ HCF Project Advisory Committee (2018). HCF BRANZ & BQIP Project Workshop. [Workshop Presentation]. *42nd Annual Scientific Meeting of the Australian and New Zealand Burn Association*, Brisbane, Australia.
- McInnes, J.A., Cleland, H., Tracy, L.M., Darton, A., Wood, F.M., Perrett, T., & Gabbe, B.J. (2018). Epidemiology of work-related burn injuries presenting to burn centres in Australia and New Zealand [Oral Presentation]. *42nd Annual Scientific Meeting of the Australian and New Zealand Burn Association*, Brisbane, Australia.
- Tracy, L.M. on behalf of the BRANZ HCF Project Advisory Committee (2018). BRANZ Burns Quality Improvement Program Update [Forum Presentation]. *42nd Annual Scientific Meeting of the Australian and New Zealand Burn Association*, Brisbane, Australia.
- Tracy, L.M., Singer, Y., Gong J., Cleland, H., Cameron, P.A., Wood, F., Perrett, T., & Gabbe, B.J. on behalf of the BRANZ HCF Project Advisory Committee (2018). BQIP: Delivering improved burn care through registry data [Oral Presentation]. *42nd Annual Scientific Meeting of the Australian and New Zealand Burn Association*, Brisbane, Australia.
- Tracy, L.M., Singer, Y., Bessey, P.Q., Peck, M.D., Phillips, B., McInnes, J., Cleland, H., & Gabbe, B.J. (2018). Benchmarking burn data across the Pacific [Oral Presentation]. *42nd Annual Scientific Meeting of the Australian and New Zealand Burn Association*, Brisbane, Australia.
- Tracy, L.M., Edgar, D.W., Schrale, R., Cleland, H., & Gabbe, B.J. (2018). Predictors of moderate to severe itch 12 months following admission to hospital for burn injury [Oral Presentation]. *42nd Annual Scientific Meeting of the Australian and New Zealand Burn Association*, Brisbane, Australia.
- Tracy, L.M., Koenig J., Georgiou-Karistianis, N., Gibson, S.J., & Giummarra, M.J. (2018). Heart rate variability is associated with thermal heat pain threshold in males, but not females [Poster Presentation]. *International Association for the Study of Pain's 17th World Congress on Pain*, Boston, USA.
- Tracy, L.M., Cleland, H., Cameron, P.A., & Gabbe, B.J. (2018). Pain assessment following burn injury in Australia and New Zealand: A quality improvement initiative [Poster Presentation]. *International Association for the Study of Pain's 17th World Congress on Pain*, Boston, USA.
- Braaf, S.C., Tracy, L.M., & Giummarra, M.J. (2018). Persistent pain after traumatic injury: Lessons learned from trauma registries [Workshop Presentation]. *38th Annual*

Scientific Meeting of the Australian Pain Society/New Zealand Pain Society, Sydney, Australia.

Singer, Y.S., Cleland, H., Gabbe, B.J., & Tracy, L.M. (2018). Does admission eGFR effect burn centre length of stay? Findings from the Burns Registry of Australia and New Zealand [Oral Presentation]. *50th Annual Meeting of the American Burn Association*, Chicago, USA.

Singer, Y.S., Cleland, H., Gabbe, B.J., Tracy, L.M., & Chin, K. (2017). Acute kidney injury <72 hours in adult burn cases: Findings from BRANZ [Oral Presentation]. *41st Annual Scientific Meeting of the Australian and New Zealand Burn Association*, Adelaide, Australia.

Tracy, L.M., Georgiou-Karistianis, N., Gibson, S.J., Labuschagne, I., & Giummarra, M.J. (2017). Oxytocin enhances salience of pain-related cues [Oral Presentation]. *4th Annual Australasian Society for Social and Affective Neuroscience Conference*, Melbourne, Australia.

Tracy, L.M., Gibson, S.J., Georgiou-Karistianis, N., & Giummarra, M.J. (2017). Intranasal oxytocin increases salience of noxious thermal stimuli in women [Oral Presentation]. *37th Annual Scientific Meeting of the Australian Pain Society*, Adelaide, Australia.

Tracy, L.M. & Giummarra, M.J. (2016). Females display increased empathy for pain and poorer autonomic regulation under cognitive stress compared to males [Oral Presentation]. *26th Annual Conference of the Australasian Society for Psychophysiology*, Adelaide, Australia.

Perkins, M., Giummarra, M.J., & Tracy, L.M. (2017). The effect of oxytocin on autonomic flexibility following a traumatic experience: A pilot study [Poster Presentation]. *27th Annual Conference of the Australasian Society for Psychophysiology*, Sydney, Australia.

Gerado, G.M., Williams, D.P., Rahman, T.T., Tracy, L.M., Spangler, D., Koenig, J., & Thayer, J.F. (2017). Sex moderates the link between resting cardiac vagal tone and difficulties in emotion regulation: An update [Poster Presentation]. *75th Annual Scientific Meeting of the American Psychosomatic Society*, Sevilla, Spain.

Fehrebacher, D.D. & Tracy, L.M. (2016). Gaze behaviour, motivational factors, and knowledge sharing [Oral Presentation]. *2016 International Conference on Information Systems (ICIS 2016)*, Dublin, Ireland.

Tracy, L.M., Ioannou, L., Baker, K.S., Gibson, S.J., Georgiou-Karistianis, N., & Giummarra, M.J. Meta-analytic evidence for decreased heart rate variability in chronic pain implicating parasympathetic nervous system dysregulation [Oral Presentation]. *Australian Society for Medical Research Victorian Student Symposium*, Melbourne, Australia.

Tracy, L.M. (2016). Oxytocin and the modulation of pain experience: Implications for chronic pain management [Invited Seminar Presentation]. *Emerging Themes in Pain Research Symposium*, Melbourne, Australia.

- Tracy, L.M., Bunzli, S., Quek, Y.E., & Giummarra, M.J. (2016). Empathy and emotional sensitivity when treating patients with chronic pain [Oral and Poster Presentation]. *36th Annual Scientific Meeting of the Australian Pain Society*, Perth, Australia.
- Tracy, L.M., Georgiou-Karistianis, N., Gibson, S.J., & Giummarra, M.J. (2016). Increased sensitivity to noxious thermal stimulation in women with chronic neck shoulder pain [Poster Presentation]. *2016 Students of Brain Research (SOBR) Student Symposium*, Melbourne, Australia.
- Tracy, L.M., Georgiou-Karistianis, N., Gibson, S.J., & Giummarra, M.J. (2016). Effects of intranasal oxytocin on heart rate variability in chronic neck and shoulder pain [Poster Presentation]. *International Association for the Study of Pain's 16th World Congress on Pain*, Yokohama, Japan.
- Tracy, L.M., Gibson, S.J., Georgiou-Karistianis, N., & Giummarra, M.J. (2015). Impact of explicit cuing on anxiety and arousal during the anticipation of thermal pain [Oral and Poster Presentation]. *35th Annual Scientific Meeting of the Australian Pain Society*, Brisbane, Australia.
- Tracy, L.M., Quek, Y.E., & Giummarra, M.J. (2015). Views on empathy and pain in future health professionals [Poster Presentation]. *ACNS 2015 – The 5th Australasian Cognitive Neuroscience Conference*, Auckland, New Zealand.
- Tracy, L.M., Gibson, S.J., Georgiou-Karistianis, N., & Giummarra, M.J. (2015). Impact of explicit cuing on anxiety and arousal during the anticipation of thermal pain [Poster Presentation]. *35th Annual Scientific Meeting of the Australian Pain Society*, Brisbane, Australia.

Research Supervision

COMPLETED UNDERGRADUATE SUPERVISION

Bachelor of Arts (Honours)

Perkins, M. (2016) *The effect of oxytocin on autonomic flexibility and arousal following a traumatic experience: A pilot study*. School of Psychological Sciences, Monash University. Supervised together with Melita Giummarra.

Bachelor of Physiotherapy (Fourth Year Research Project)

Melanie Sicura, Faculty of Medicine, Nursing, and Health Sciences, Monash University (2018). Supervised together with Belinda Gabbe, Jane Elloitt, and Lara Kimmel.

Summer Scholarship Program

Marotta, C. (2016-2017) *Chronic pain and the autonomic nervous system*. School of Psychological Sciences, Monash University. Supervised together with Melita Giummarra.

Employment History

ADJUNCT RESEARCH FELLOW, FACULTY OF HEALTH, ART, AND DESIGN, SWINBURNE UNIVERSITY (2018)

- Honorary appointment relating to the coordination of a clinical trial on the effects of intranasal oxytocin on social cognition in the young and the elderly

RESEARCH FELLOW, SCHOOL OF PUBLIC HEALTH AND PREVENTIVE MEDICINE,
MONASH UNIVERSITY (2017-)

- Conducting research relating to adult and paediatric burn injuries both independently and as a member of a team
- Administrative functions relating to data collection and entry at seventeen hospital sites across two countries

RESEARCH ASSISTANT, SCHOOL OF PSYCHOLOGY, AUSTRALIAN CATHOLIC
UNIVERSITY (2017-2018)

- Assisting with the coordination of a clinical trial on the effects of intranasal oxytocin on social cognition in the young and the elderly
- Acquisition of MRI and questionnaire data

RESEARCH ASSISTANT, MONASH BUSINESS SCHOOL, MONASH UNIVERSITY (2015-)

- Undertaking literature reviews and preparing relating to information processing, performance evaluation behaviour, and information systems success
- Acquisition of eye tracking data

RESEARCH ASSISTANT, SCHOOL OF PSYCHOLOGICAL SCIENCES, MONASH UNIVERSITY
(2014-2017)

- Assistance with the undertaking of systematic reviews and meta-analyses
- Contribution to the preparation of research proposal submissions to external funding bodies

Service

Assistant Newsletter Editor, Australian Pain Society (2018-)

Secretary, Australasian Society for Social and Affective Neuroscience (2017-)

Vice President, Monash Postgraduate Association, Monash University (2015-2016)

Postgraduate (HDR) Member, Monash University Academic Board (2015)

Editorial Appointments

Ad Hoc Reviewer – [Verified Publons Record](#)

Journal of Psychophysiology

Psychoneuroendocrinology

BMJ Open

International Journal of Psychophysiology

Journal of Sport Rehabilitation

Journal of Pain Research

Clinical Journal of Pain

Journal of Pain and Symptom Management

Psychophysiology

Emotion

Burns

Scientific Reports

PLoS ONE

Frontiers in Physiology

Skills/Techniques

Human Physiology

Experience in human non-invasive techniques including ECG, GSR/SCR, and respiratory function.

Experience in human pain and sensory testing techniques including Medoc Pathway Pain and Sensory evaluation system and capsaicin application.

Software

Experimental: LabChart, SuperLab

Statistical: SPSS, Stata, R, GraphPad Prism

General: All MS Office.

Referees

PROFESSOR BELINDA GABBE

Head of the Pre-Hospital, Emergency and Trauma Research Unit, Faculty of Medicine, Nursing and Health Sciences - Monash University, Australia
belinda.gabbe@monash.edu

DR MELITA GIUMMARRA

Senior Research Fellow - Monash University, Australia
melita.giummarra@monash.edu

PROFESSOR NELLIE GEORGIU-KARISTIANIS

Deputy Dean (Academic and Graduate Affairs), Faculty of Medicine, Nursing and Health Sciences - Monash University, Australia
nellie.georgiou-karistianis@monash.edu
