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Biography

My academic journey began at Monash University where I was awarded a BSc (Psychology, Pharmacology). My first employment was as a research assistant in Clinical Pharmacology (Austin Hospital, Heidelberg, VIC). I moved to the United States and completed a MSc and PhD in Behavioural Pharmacology at the University of Michigan, Ann Arbor. After completing a post-doctoral placement there, I returned to Australia and completed a second post-doctoral appointment at Monash University (Physiology). I was appointed as a Lecturer in the School of Psychology where I taught undergraduate and post-graduate students and convened the Bachelor of Behavioural Neuroscience degree. My current appointment is at Spectrum Personality Disorder Service (Eastern Health) as Head of Research & Innovation. I have an Adjunct Clinical Associate Professor appointment at Monash University.

My overarching research interests concern brain and behaviour, with specialisation in mental health, psychopharmacology, neuroendocrinology and substance use. I am currently committed to researching topics related to personality disorder and complex trauma.

Qualifications

Biological Psychology, PhD, Cocaine Self-Administration and Hypothalamic-Adrenal-Pituitary (HPA) Axis Activity in Rhesus Monkeys, University of Michigan
1 Sept 1993 → 5 Jan 1999
Award Date: 10 May 1999

Employment

ADJUNCT CLINICAL ASSOCIATE PROFESSOR

Eastern Health Clinical School Research
MONASH UNIVERSITY
1 Mar 2019 → present

Senior Research Fellow, Spectrum

Eastern Health
Box Hill, Australia
2 Dec 2013 → present

Research outputs

Talking about borderline personality disorder, shaping care: the multiple doings of narratives

Seal, E-L., Kokanović, R., Flore, J., Borovica, T., Broadbear, J. H., McCutcheon, L. & Lawn, S., 2024, (Accepted/In press)
In: *Sociology of Health and Illness*. 21 p.

Exploring the Utility of Neurostimulation Therapies in the Treatment of Borderline Personality Disorder: A Systematic Literature Review

Zou, M., Broadbear, J. H. & Rao, S., 1 Sept 2023, In: *The Journal of Electroconvulsive Therapy*. 39, 3, p. 151-157 7 p.

Late manifestation of borderline personality disorder: Characterization of an under-recognized phenomenon

Jo, R., Broadbear, J. H., Hope, J. & Rao, S., May 2023, In: *Personality and Mental Health*. 17, 2, p. 165-175 11 p.

Mental health support for and telehealth use by Australians living with borderline personality disorder during the onset of the COVID-19 pandemic: A national study

Heidari, P., Broadbear, J. H., Brown, R., Dharwadkar, N. P. & Rao, S., 1 Jan 2023, In: *Digital Health*. 9, p. 1-12 12 p.

Are there underlying differences between sexually diverse and non-sexually diverse people diagnosed with Borderline Personality Disorder?

Nolan, J., Mildred, H., Broadbear, J. H., Knight, T. & Rao, S., 2023, In: *Psychology and Sexuality*. 14, 2, p. 371-382 12 p.

Emergency department utilisation by patients with a diagnosis of borderline personality disorder: An acute response to a chronic disorder

Broadbear, J. H., Rotella, J. A., Lorenze, D. & Rao, S., Oct 2022, In: *EMA - Emergency Medicine Australasia*. 34, 5, p. 731-737 7 p.

Comparison of the Phenomenology of Hallucination and Delusion Characteristics in People Diagnosed With Borderline Personality Disorder and Schizophrenia

Merrett, Z., Castle, D. J., Thomas, N., Toh, W. L., Beatson, J., Broadbear, J., Rao, S. & Rossell, S. L., 1 Aug 2022, In: *Journal of Personality Disorders*. 36, 4, p. 413-430 18 p.

Disjunction in the subjective and objective measurement of co-occurring depression in borderline personality disorder – Implications for diagnosis

Cheney, L., Broadbear, J. H. & Rao, S., Aug 2022, In: *Australasian Psychiatry*. 30, 4, p. 481-485 6 p.

The impact of COVID-19 lockdown on the well-being of clients of a specialist personality disorder service

Heidari, P., Broadbear, J. H., Cheney, L., Dharwadkar, N. P. & Rao, S., Apr 2022, In: *Australasian Psychiatry*. 30, 2, p. 235-238 4 p.

Assessment of peer-conceptualised, written and led single-session group interventions for carers supporting a person with borderline personality disorder

Brown, R., Heidari, P., Taylor, K., Veltkamp, J., Broadbear, J. H. & Rao, S., 2022, In: *Advances in Mental Health*. 20, 2, p. 134–145 12 p.

Development and Preliminary Evaluation of a Rapid Screening Tool for Detecting Borderline Personality Disorder in People Aged over 60 Years

Broadbear, J. H., Beatson, J. A., Moss, F., Jayaram, H., George, K., Planinic, A., Rodrigo, K. & Rao, S., 2022, (Accepted/In press) In: *Clinical Gerontologist*. 11 p.

The impact of COVID-19 lockdown on the well-being of mental healthcare providers working in a specialist clinic for personality disorder

Heidari, P., Broadbear, J., Cheney, L., Dharwadkar, N. P. & Rao, S., 2022, In: *Australian Psychologist*. 57, 1, p. 21-27 7 p.

Confidence of psychiatry trainees in meeting the needs of borderline personality disorder in comparison with schizophrenia

Nithianandan, M., Heidari, P., Broadbear, J. & Rao, S., Dec 2021, In: *Australasian Psychiatry*. 29, 6, p. 690-694 5 p.

Discriminative stimulus properties of the 5-HT1A receptor biased agonists NLX-101 and F13714, in rats trained to discriminate 8-OH-DPAT from saline

Broadbear, J. H., Depoortere, R. Y., Vacy, K., Ralph, D., Tunstall, B. J. & Newman-Tancredi, A., Dec 2021, In: *Behavioural Pharmacology*. 32, 8, p. 652-659 8 p.

Ten-week Intensive Group Program (IGP) for borderline personality disorder: Making the case for more accessible and affordable psychotherapy

Gec, D., Broadbear, J. H., Bourton, D. & Rao, S., Feb 2021, In: *Evidence-Based Mental Health*. 24, 1, 7 p., e1.

Coroners' investigations of suicide in Australia: The hidden toll of borderline personality disorder

Broadbear, J. H., Dwyer, J., Bugeja, L. & Rao, S., Oct 2020, In: *Journal of Psychiatric Research*. 129, p. 241-249 9 p.

Developments in diagnosis and treatment of people with borderline personality disorder

Rao, S., Heidari, P. & Broadbear, J. H., Sept 2020, In: *Current Opinion in Psychiatry*. 33, 5, p. 441-446 6 p.

Avoiding Misdiagnosis When Auditory Verbal Hallucinations Are Present in Borderline Personality Disorder
Beatson, J. A., Broadbear, J. H., Duncan, C., Bourton, D. & Rao, S., Dec 2019, In: Journal of Nervous and Mental Disease. 207, 12, p. 1048-1055 8 p.

Borderline personality disorder and depressive disorder

Rao, S. & Broadbear, J., Dec 2019, In: Australasian Psychiatry. 27, 6, p. 573-577 5 p.

An exploration of self-compassion and self-criticism in the context of personal recovery from borderline personality disorder

Donald, F., Lawrence, K. A., Broadbear, J. H. & Rao, S., 1 Feb 2019, In: Australasian Psychiatry. 27, 1, p. 56-59 4 p.

Reviewing the clinical significance of 'fear of abandonment' in borderline personality disorder

Palihawadana, V., Broadbear, J. H. & Rao, S., Feb 2019, In: Australasian Psychiatry. 27, 1, p. 60-63 4 p.

What is the clinical significance of chronic emptiness in borderline personality disorder?

Elsner, D., Broadbear, J. H. & Rao, S., Feb 2018, In: Australasian Psychiatry. 26, 1, p. 88-91 4 p.

Hallucinations in BPD: more prevalent than community sample study suggests?

Beatson, J., Broadbear, J. H., Lubman, D. I. & Rao, S., 1 Oct 2017, In: The British Journal of Psychiatry. 211, 4, p. 250-251 2 p.

Evaluation of a novel risk assessment method for self-harm associated with Borderline Personality Disorder

Rao, S., Broadbear, J. H., Thompson, K., Correia, A., Preston, M., Katz, P. & Trett, R., Oct 2017, In: Australasian Psychiatry. 25, 5, p. 460-465 6 p.

Clinician perspectives on recovery and borderline personality disorder

Donald, F., Duff, C., Lawrence, K., Broadbear, J. & Rao, S., 2017, In: The Journal of Mental Health, Training, Education and Practice: Issues for Workforce Development. 12, 3, p. 199-209 11 p.

Consumer perspectives on personal recovery and borderline personality disorder

Donald, F., Duff, C., Broadbear, J., Rao, S. & Lawrence, K., 2017, In: The Journal of Mental Health, Training, Education and Practice: Issues for Workforce Development. 12, 6, p. 350-359 10 p.

Evaluation of changes in prescription medication use after a residential treatment programme for borderline personality disorder

Broadbear, J. H., Nesci, J., Thomas, R., Thompson, K., Beatson, J. & Rao, S., Dec 2016, In: Australasian Psychiatry. 24, 6, p. 583-588 6 p.

Missed diagnosis: The emerging crisis of borderline personality disorder in older people

Beatson, J., Broadbear, J. H., Sivakumaran, H., George, K., Kotler, E., Moss, F. & Rao, S., Dec 2016, In: Australian and New Zealand Journal of Psychiatry. 50, 12, p. 1139-1145 7 p.

Long-term antihyperalgesic and opioid-sparing effects of 5-day ketamine and morphine infusion ("Burst Ketamine") in diabetic neuropathic rats

Mak, P., Broadbear, J. H., Kolosov, A. & Goodchild, C. S., 2015, In: Pain Medicine. 16, 9, p. 1781 - 1793 13 p.

Risky drug use and effects on sleep quality and daytime sleepiness

Ogeil, R. P., Phillips, J., Rajaratnam, S. M. W. & Broadbear, J. H., 2015, In: Human Psychopharmacology. 30, 5, p. 356 - 363 8 p.

Dysfunctional overnight memory consolidation in ecstasy users

Smithies, V., Broadbear, J. H., Verdejo-Garcia, A. J. & Conduit, R., 2014, In: Journal of Psychopharmacology. 28, 8, p. 751 - 762 12 p.

Guest Editorial: The role of oxytocin in positive affect and drug-related reward

Buisman-Pijlman, F. T. A., Broadbear, J. H. & Sarnyai, Z., 2014, In: *Pharmacology Biochemistry and Behavior*. 119, April 2014, p. 1 - 2 2 p.

Oxytocinergic regulation of endogenous as well as drug-induced mood

Broadbear, J. H., Kabel, D., Tracy, L. & Mak, P., 2014, In: *Pharmacology Biochemistry and Behavior*. 119, p. 61 - 71 11 p.

Male and female ecstasy users: differences in patterns of use, sleep quality and mental health outcomes

Ogeil, R. P., Rajaratnam, S. M. W. & Broadbear, J. H., 2013, In: *Drug and Alcohol Dependence*. 132, 1-2, p. 223 - 230 8 p.

Disturbed sleep in ecstasy users reported by partners/roommates

Ogeil, R. P., Rajaratnam, S. M. W. & Broadbear, J. H., 2012, In: *Australian and New Zealand Journal of Psychiatry*. 46, 6, p. 587 - 588 2 p.

Ecstasy and sleep disturbance: progress towards elucidating a role for the circadian system

Ogeil, R. P., Rajaratnam, S. M. W. & Broadbear, J. H., 2012, In: *Sleep and Biological Rhythms*. 10, 1, p. 3 - 13 11 p.

Fumaroylamino-4,5-epoxymorphinans and related opioids with irreversible (Mu) opioid receptor antagonist effects

Moynihan, H. A., Derrick, I., Broadbear, J. H., Greedy, B. M., Aceto, M. D., Harris, L. S., Purington, L., Thomas, M. P., Woods, J. H., Traynor, J. R., Husbands, S. M. & Lewis, J. W., 2012, In: *Journal of Medicinal Chemistry*. 55, 22, p. 9868 - 9874 7 p.

MDMA induces Per1, Per2 and c-fos gene expression in rat suprachiasmatic nuclei

Ogeil, R. P., Kennaway, D. J., Salkeld, M. D., Rajaratnam, S. M. W. & Broadbear, J. H., 2012, In: *Psychopharmacology*. 220, 4, p. 835 - 843 9 p.

Modulation of anxiety behavior in the elevated plus maze using peptidic oxytocin and vasopressin receptor ligands in the rat

Mak, P., Broussard, C., Vacy, K. & Broadbear, J. H., 2012, In: *Journal of Psychopharmacology*. 26, 4, p. 532 - 542 11 p.

Are females more sensitive to MDMA-related discriminative stimuli?

Broadbear, J., Tunstall, B. & Beringer, K., 2011, In: *The Open Addiction Journal*. 4, special issue, p. 10 - 11 2 p.

Assessing sleep disturbance in ecstasy users: A questionnaire study

Ogeil, R., Rajaratnam, S. M. W. & Broadbear, J., 2011, In: *The Open Addiction Journal*. 4, special issue, p. 32 - 33 2 p.

Ecstasy use and self-reported disturbances in sleep

Ogeil, R., Rajaratnam, S. M. W., Phillips, J., Redman, J. & Broadbear, J., 2011, In: *Human Psychopharmacology*. 26, 7, p. 508 - 516 9 p.

Evaluating the contribution of serotonin receptor subtypes and 'binge' 3,4-methylenedioxymethamphetamine (MDMA) exposure to the discriminative stimulus effects of MDMA in rats

Smithies, V. & Broadbear, J., 2011, In: *The Open Addiction Journal*. 4, special issue, p. 55 - 56 2 p.

Examining the role of oxytocin in the interoceptive effects of 3,4-methylenedioxymethamphetamine (MDMA, 'ecstasy') using a drug discrimination paradigm in the rat

Broadbear, J., Tunstall, B. & Beringer, K., 2011, In: *Addiction Biology*. 16, p. 202 - 214 12 p.

Second International MDMA 'Ecstasy' Conference in Australasia: Monash University, Melbourne Australia

Broadbear, J. & Parrott, A., 2011, In: *The Open Addiction Journal*. 4, p. 1 - 2 2 p.

Acute MDMA administration alters the distribution and circadian rhythm of wheel running activity in the rat

Ogeil, R., Rajaratnam, S. M. W., Redman, J. & Broadbear, J., 2010, In: Brain Research. 1359, C, p. 128 - 136 9 p.

Assessing the antidepressant-like effects of carbetocin, an oxytocin agonist, using a modification of the forced swimming test

Chaviraras, S., Mak, P., Ralph, D., Krishnan, L. & Broadbear, J., 2010, In: Psychopharmacology. 210, 1, p. 35 - 43 9 p.

14beta-Arylpropionylamino-17-cyclopropylmethyl-7,8-dihydronormorphinones and related opioids. Further examples of pseudoirreversible micro opioid receptor antagonists

Nieland, N. P. R., Rennison, D., Broadbear, J. H., Purington, L., Woods, J. H., Traynor, J. R., Lewis, J. W. & Husbands, S. M., 2009, In: Journal of Medicinal Chemistry. 52, p. 6926 - 6930 5 p.

14beta-O-Cinnamoylnaltrexone and related dihydrocodeinones are mu opioid receptor partial agonists with predominant antagonist activity

Moynihan, H., Jales, A. R., Greedy, B. M., Rennison, D., Broadbear, J., Purington, L., Traynor, J., Woods, J., Lewis, J. & Husbands, S., 2009, In: Journal of Medicinal Chemistry. 52, 6, p. 1553 - 1557 5 p.

MDMA: Neurohormonal, neurocognitive, and psychobiological aspects of recreational ecstasy

Parrott, A. C., Broadbear, J. H., Bruno, R. B., Degenhardt, L., Morefield, K. & Scholey, A. B., 2009, In: The Open Addiction Journal. 2, p. 24 - 27 4 p.

Neuroendocrine and subjective responses to pharmacological challenge with citalopram: A controlled study in male and female ecstasy/MDMA users

Allott, K. A., Canny, B. J., Broadbear, J. H., Stepto, N. K., Murphy, B. & Redman, J. R., 2009, In: Journal of Psychopharmacology. 23, 7, p. 759 - 774 16 p.

Effects of modafinil on simulator driving and self-assessment of driving following sleep deprivation

Gurtman, C. G., Broadbear, J. H. & Redman, J. R., 2008, In: Human Psychopharmacology. 23, 8, p. 681 - 692 12 p.

Oxytocin as a mediator of the unique interoceptive effects of 3,4-Methylenedioxymethamphetamine (MDMA, "Ecstasy") in the rat

Beringer, K. & Broadbear, J. H., 2008, *Proceedings of the 43rd APS Annual Conference*. Voudouris, N. & Mrowinski, V. (eds.). Melbourne: Australian Psychological Society, Vol. 1. p. 31 - 35 5 p.

Corticotropin-releasing hormone in nonhuman primates.

Broadbear, J. H., 2006, In: Frontiers in Bioscience. 11, 1, p. 2303 - 2335 33 p.

Structural determinants of opioid activity in derivatives of 14-aminomorphinones: effect of substitution in the aromatic ring of cinnamoylaminomorphinones and codeinones

Nieland, N. P. R., Moynihan, H. A., Carrington, S., Broadbear, J. H., Woods, J. H., Traynor, J. R., Husbands, S. M. & Lewis, J. W., 2006, In: Journal of Medicinal Chemistry. 49, p. 5333 - 5338 6 p.

BU74, a complex oripavine derivative with potent kappa opioid receptor agonism and delayed opioid antagonism

Husbands, S. M., Neilan, C. L., Broadbear, J. H., Grundt, P., Breeden, S., Aceto, M. D., Woods, J. H., Lewis, J. W. & Traynor, J. R., 2005, In: European Journal of Pharmacology. 509, p. 117 - 125 9 p.

Prostate specific antigen (PSA) near patient testing for diagnosis and management of prostate cancer

Abdulwadud, O. A., Clavisi, O., Parkhill, A., King, S. T., Broadbear, J. H. & Dalton, A., 2005, Australia: Commonwealth Government of Australia. 1 p.

Role of sex and sex steroids in mediating pituitary-adrenal responses to acute buspirone treatment in sheep

Broadbear, J. H., Pierce, B. N., Clarke, I. J. & Canny, B. J., 2005, In: Journal of Neuroendocrinology. 17, 12, p. 804 - 810 7 p.

Self-administration of methohexital, midazolam and ethanol: effects on the pituitary-adrenal axis in rhesus monkeys

Broadbear, J. H., Winger, G. & Woods, J. H., 2005, In: *Psychopharmacology*. 178, 1, p. 83 - 91 9 p.

Antidepressants, sex steroids and pituitary-adrenal response in sheep

Broadbear, J. H., Nguyen, T., Clarke, I. J. & Canny, B. J., 2004, In: *Psychopharmacology*. 175, 2, p. 247 - 255 9 p.

Corticotropin-releasing hormone antagonists, astressin B and antalarmin: differing profiles of activity in rhesus monkeys

Broadbear, J. H., Winger, G., Rivier, J., Rice, K. C. & Woods, J. H., 2004, In: *Neuropsychopharmacology*. 29, p. 1112 - 1121 10 p.

Noncontingent and response-contingent intravenous ethanol attenuates the effect of naltrexone on hypothalamic-pituitary-adrenal activity in rhesus monkeys

Williams, K. L., Broadbear, J. H. & Woods, J. H., 2004, In: *Alcoholism: Clinical and Experimental Research*. 28, 4, p. 566 - 571 6 p.

Self-administration of fentanyl, cocaine and ketamine: effects on the pituitary-adrenal Axis in rhesus monkeys

Broadbear, J. H., Winger, G. & Woods, J. H., 2004, In: *Psychopharmacology*. 176, p. 398 - 406 9 p.

Sex differences in the pituitary-adrenal response following acute antidepressant treatment in sheep

Broadbear, J. H., Hutton, L. C., Clarke, I. J. & Canny, B. J., 2004, In: *Psychopharmacology*. 171, p. 450 - 457 8 p.

Antalarmin, a putative CRH-RI antagonist, has transient reinforcing effects in rhesus monkeys

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Cinnamoyl derivatives of 7a-amino- and 7a-(aminomethyl)- N-(cyclopropylmethyl)-6,14-endo-ethanotetrahydronoropavines are high-potency opioid antagonists

Derrick, I., Husbands, S. M., Broadbear, J., Traynor, J. R., Woods, J. H. & Lewis, J. W., 2000, In: *Helvetica Chimica Acta*. 83, 12, p. 3122-3130 9 p.

Methocinnamox is a potent, long-lasting, and selective antagonist of morphine-mediated antinociception in the mouse: comparison with clocinnamox, -funaltrexamine, and -chlornaltrexamine

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Cocaine-reinforced responding in rhesus monkeys: Pharmacological attenuation of the hypothalamic-pituitary-adrenal axis response

Broadbear, J. H., Winger, G. & Woods, J. H., Sept 1999, In: *Journal of Pharmacology and Experimental Therapeutics*. 290, 3, p. 1347-1355 9 p.

Effects of response contingent and noncontingent cocaine injection on hypothalamic-pituitary-adrenal activity in rhesus monkeys

Broadbear, J. H., Winger, G., Cicero, T. J. & Woods, J. H., Jul 1999, In: *Journal of Pharmacology and Experimental Therapeutics*. 290, 1, p. 393-402 10 p.

Effects of self-administered cocaine on plasma adrenocorticotrophic hormone and cortisol in male rhesus monkeys

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Glucocorticoid-reinforced responding in the rhesus monkey

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Analgesic, respiratory and heart rate effects of cannabinoid and opioid agonists in rhesus monkeys: Antagonist effects of SR 141716A^{1,2}

Vivian, J. A., Kishioka, S., Butelman, E. R., Broadbear, J., Lee, K. O. & Woods, J. H., 1998, In: Journal of Pharmacology and Experimental Therapeutics. 286, 2, p. 697-703 7 p.

6N-cinnamoyl- β -naltrexamine and its p-nitro derivative. High efficacy κ -opioid agonists with weak antagonist actions
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Potential irreversible ligands for opioid receptors. Cinnamoyl derivatives of β -naltrexamine

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Differential effects of systemically administered nor-binaltorphimine (nor-BNI) on κ -opioid agonists in the mouse writhing assay

Broadbear, J. H., Stevens Negus, S., Butelman, E. R., de Costa, B. R. & Woods, J. H., Jul 1994, In: Psychopharmacology. 115, 3, p. 311-319 9 p.

Pharmacokinetic comparison of a combination tablet of enalapril and hydrochlorothiazide with enalapril and hydrochlorothiazide tablets administered together and separately

Howes, L. G., Conway, E. L., Phillips, P. A., Broadbear, J., Drummer, O. H. & Louis, W. J., Aug 1991, In: Biopharmaceutics & Drug Disposition. 12, 6, p. 447-455 9 p.

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Louis, W. J., Howes, L. G., Straznicki, N., Krum, H., Phillips, P., Broadbear, J. & McNeil, J. J., 2 May 1990, In: The American Journal of Cardiology. 65, 17

Quality of life--treatment of hypertension. The role of indapamide.

Louis, W. J., Howes, L. G., Krum, H., Frauman, A., Broadbear, J. & McNeil, J. J., 7 Oct 1989, In: South African Medical Journal. Suppl, p. 26-27 2 p.