

Dr Patricia Zunszain

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Clinical Academic Group

- [Psychological Medicine Clinical Academic Group](#)

Dr Patricia Zunszain

1. [Neuroimmune and neuroendocrine abnormalities in depression: Two sides of the same coin](#)

[Horowitz, M. A.](#) & [Zunszain, P. A.](#) 1 Sep 2015 In : [Annals of the New York Academy of Sciences](#). 1351, 1, p. 68-79

Contribution to journal › Article

2. [Insufficient glucocorticoid signaling and elevated inflammation in coronary heart disease patients with comorbid depression](#)

[Nikkheslat, N.](#), [Zunszain, P. A.](#), [Horowitz, M. A.](#), [Barbosa, I. G.](#), [Parker, J. A.](#), [Myint, A-M.](#), [Schwarz, M. J.](#), [Tylee, A. T.](#), [Carvalho, L. A.](#) & [Pariante, C. M.](#) 1 Aug 2015 In : [Brain, behavior, and immunity](#). 48, p. 8-18

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3. [Molecular mechanisms in the regulation of adult neurogenesis during stress](#)

[Egeland, M.](#), [Zunszain, P. A.](#) & [Pariante, C. M.](#) Apr 2015 In : [NATURE REVIEWS NEUROSCIENCE](#). 16, 4, p. 189-200

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4. [Immune mechanisms linked to depression via oxidative stress and neuroprogression](#)

[Bakunina, N.](#), [Pariante, C. M.](#) & [Zunszain, P. A.](#) Mar 2015 In : [Immunology](#). 144, 3, p. 365-373

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5. [The role of inflammatory cytokines as key modulators of neurogenesis](#)

[Borsini, A.](#), [Zunszain, P. A.](#), [Thuret, S.](#) & [Pariante, C. M.](#) Mar 2015 In : [Trends in Neurosciences](#). 38, 3, p. 145-157

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6. [Cortisol and Inflammatory Biomarkers Predict Poor Treatment Response in First Episode Psychosis](#)

[Mondelli, V.](#), [Ciufolini, S.](#), Belvederi Murri, M., [Bonaccorso, S.](#), [Di Forti, M.](#), [Giordano, A.](#), Marques, T. R., [Zunszain, P. A.](#), [Morgan, C.](#), [Murray, R. M.](#), [Pariante, C. M.](#) & [Dazzan, P.](#) 2015 In : [Schizophrenia Bulletin](#). 41, 5, p. 1162-1170

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7. [Circadian and homeostatic modulation of functional connectivity and regional cerebral blood flow in humans under normal entrained conditions](#)

[Hodkinson, D. J.](#), [O'Daly, O.](#), [Zunszain, P. A.](#), [Pariante, C. M.](#), Lazurenko, V., [Zelaya, F. O.](#), [Howard, M. A.](#) & [Williams, S. C. R.](#) Sep 2014 In : [Journal of cerebral blood flow and metabolism : official journal of the International Society of Cerebral Blood Flow and Metabolism](#). 34, 9, p. 1493-1499

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8. [Cortisol awakening response and diurnal cortisol among children at elevated risk for schizophrenia: Relationship to psychosocial stress and cognition](#)

Cullen, A. E., [Zunszain, P. A.](#), [Dickson, H.](#), [Roberts, R. E.](#), [Fisher, H. L.](#), [Pariante, C. M.](#) & [Laurens, K. R.](#) Aug 2014 In : [Psychoneuroendocrinology](#). 46, p. 1-13

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9. [Towards a personalized treatment in depression: endocannabinoids, inflammation and stress response](#)

[Zajkowska, Z. E.](#), Englund, A. & [Zunszain, P. A.](#) Apr 2014 In : [PHARMACOGENOMICS](#). 15, 5, p. 687-698

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10. [Antidepressant compounds can be both pro- and anti-inflammatory in human hippocampal cells](#)

[Horowitz, M.](#), [Wertz, J.](#), [Zhu, D.](#), [Cattaneo, A.](#), [Musaelyan, K.](#), [Nikkheslat, N.](#), [Pariante, C.](#) & [Zunszain, P.](#) 2014 In : [International Journal of Neuropsychopharmacology](#).

Contribution to journal › Article

11. [Cortisol awakening response and diurnal cortisol levels among children at elevated risk for schizophrenia: Relationship to psychosocial stress and neurocognitive function](#)

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12. [Modulation of Adult Hippocampal Neurogenesis by Early-Life Environmental Challenges Triggering Immune Activation](#)

[Musaelyan, K.](#), [Egeland, M.](#), [Fernandes, C.](#), [Pariante, C. M.](#), [Zunszain, P. A.](#) & [Thuret, S.](#) 2014 In : [Neural Plasticity](#). , 194396

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13. [Ketamine: synaptogenesis, immunomodulation and glycogen synthase kinase-3 as underlying mechanisms of its antidepressant properties](#)

[Zunszain, P.](#), [Horowitz, M.](#), [Cattaneo, A.](#), Lupi, M. & [Pariante, C.](#) 1 Dec 2013 In : [Molecular Psychiatry](#). 18, 12, p. 1236-1241

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14. [Role for the kinase SGK1 in stress, depression, and glucocorticoid effects on hippocampal neurogenesis](#)

[Anacker, C.](#), [Cattaneo, A.](#), [Musaelyan, K.](#), [Zunszain, P.](#), [Horowitz, M.](#), Molteni, R., Luoni, A., Calabrese, F., [Tansey, K.](#), Gennarelli, M., [Thuret, S.](#), [Price, J.](#), [Uher, R.](#), Riva, M. A. & [Pariante, C.](#) 21 May 2013 In : [Proceedings of the National Academy of Sciences](#). 110, 21, p. 8708-8713

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15. [Glucocorticoid-Related Molecular Signaling Pathways Regulating Hippocampal Neurogenesis](#)

[Anacker, C.](#), [Cattaneo, A.](#), Luoni, A., [Musaelyan, K.](#), [Zunszain, P. A.](#), Milanese, E., Rybka, J., Berry, A., Cirulli, F., [Thuret, S.](#), [Price, J.](#), Riva, M. A., Gennarelli, M. & [Pariante, C. M.](#) Apr 2013 In : [Neuropsychopharmacology](#). 38, 5, p. 872-883

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16. [Chemokines in bipolar disorder: Trait or state?](#)

Barbosa, I. G., Rocha, N. P., Bauer, M. E., de Miranda, A. S., Huguet, R. B., Reis, H. J., [Zunszain, P. A.](#), [Horowitz, M. A.](#), [Pariante, C. M.](#) & Teixeira, A. L. Mar 2013 In : [European Archives Of Psychiatry And Clinical Neuroscience](#). 263, 2, p. 159-165

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17. [Depression pathogenesis and treatment: what can we learn from blood mRNA expression?](#)

[Heggul, N.](#), [Cattaneo, A.](#), [Zunszain, P. A.](#) & [Pariante, C. M.](#) 5 Feb 2013 In : [BMC Medicine](#). 11, 1, , 28

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18. [Candidate Genes Expression Profile Associated with Antidepressants Response in the GENDEP Study: Differentiating between Baseline 'Predictors' and Longitudinal 'Targets'](#)

[Cattaneo, A.](#), Gennarelli, M., [Uher, R.](#), [Breen, G.](#), [Farmer, A.](#), [Aitchison, K. J.](#), [Craig, I. W.](#), [Anacker, C.](#), [Zunszain, P.](#), [McGuffin, P.](#) & [Pariante, C. M.](#) Feb 2013 In : [Neuropsychopharmacology](#). 38, 3, p. 377-385

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19. [Glucocorticoids and inflammation: A double-headed sword in depression?: A double-headed sword in depression?](#)

[Horowitz, M. A.](#), [Zunszain, P. A.](#), [Anacker, C.](#), [Musaelyan, K.](#) & [Pariante, C. M.](#) 2013 *Inflammation in Psychiatry*. [Karger](#), Vol. 28, p. 127-143

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20. [Inflammation and Depression](#)

[Zunszain, P. A.](#), [Heggul, N.](#) & [Pariante, C. M.](#) 2013 *Current Topics in Behavioral Neurosciences*. [Springer Berlin Heidelberg](#), Vol. 14, p. 135-151 (Current Topics in Behavioral Neurosciences; vol. 14)

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21. [Hypothalamic-pituitary-adrenal axis and clinical symptoms in first-episode psychosis](#)

Murri, M. B., [Pariante, C. M.](#), [Dazzan, P.](#), [Heggul, N.](#), [Papadopoulos, A. S.](#), [Zunszain, P.](#), [Di Forti, M.](#), [Murray, R. M.](#) & [Mondelli, V.](#) May 2012 In : [Psychoneuroendocrinology](#). 37, 5, p. 629-644

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22. [Interleukin-1 \$\beta\$: a new regulator of the kynurenine pathway affecting human hippocampal neurogenesis](#)

[Zunszain, P. A.](#), [Anacker, C.](#), [Cattaneo, A.](#), Choudhury, S., [Musaelyan, K.](#), Myint, A. M., [Thuret, S.](#), [Price, J.](#) & [Pariante, C. M.](#) Mar 2012 In : [Neuropsychopharmacology](#). 37, 4, p. 939–949

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23. [Antidepressants increase human hippocampal neurogenesis by activating the glucocorticoid receptor](#)

[Anacker, C.](#), [Zunszain, P. A.](#), [Cattaneo, A.](#), [Carvalho, L. A.](#), [Garabedian, M. J.](#), [Thuret, S.](#), [Price, J.](#) & [Pariante, C.](#) Jul 2011 In : [Molecular Psychiatry](#). 16, 7, p. 738 - 750

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24. [Glucocorticoids, cytokines and brain abnormalities in depression](#)

[Zunszain, P. A.](#), [Anacker, C.](#), [Cattaneo, A.](#), [Carvalho, L. A.](#) & [Pariante, C. M.](#) 29 Apr 2011 In : [Progress in Neuro-Psychopharmacology & Biological Psychiatry](#). 35, 3, p. 722 - 729

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25. [Structural basis of binding of fluorescent, site-specific dansylated amino acids to human serum albumin](#)

Ryan, A. J., Ghuman, J., [Zunszain, P.](#), Chung, C. & Curry, S. Apr 2011 In : [Journal of Structural Biology](#). 174, 1, p. 84-91

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26. [The glucocorticoid receptor: Pivot of depression and of antidepressant treatment?](#)

[Anacker, C.](#), [Zunszain, P. A.](#), [Carvalho, L. A.](#) & [Pariante, C. M.](#) Apr 2011 In : [Psychoneuroendocrinology](#). 36, 3, p. 415 - 425

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27. [Insights into Cleavage Specificity from the Crystal Structure of Foot-and-Mouth Disease Virus 3C Protease Complexed with a Peptide Substrate](#)

[Zunzain, P.](#), Knox, S. R., Sweeney, T. R., Yang, J., Roque-Rosell, N., Belsham, G. J., Leatherbarrow, R. J. & Curry, S. 15 Jan 2010 In : [Journal of Molecular Biology](#). 395, 2, p. 375-389

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28. [Crystallographic Analysis of Human Serum Albumin Complexed with 4Z,15E-Bilirubin-IX \$\alpha\$](#)

[Zunzain, P.](#), Ghuman, J., McDonagh, A. F. & Curry, S. 29 Aug 2008 In : [Journal of Molecular Biology](#). 381, 2, p. 394-406

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29. [Foot-and-mouth disease virus 3C protease: recent structural and functional insights into an antiviral target](#)

Curry, S., Roqué-Rosell, N., [Zunzain, P. A.](#) & Leatherbarrow, R. J. 2007 In : [International Journal of Biochemistry and Cell Biology](#). 39, 1, p. 1-6

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