



Igor D. Bandeira

Postdoctoral Scholar, Psychiatry

Bio

BIO

Igor D. Bandeira, M.D., Ph.D., is a physician-scientist from Salvador in Brazil, working as a Postdoctoral Research Fellow in the Department of Psychiatry and Behavioral Sciences at Stanford University. He completed his Doctor of Medicine (M.D.) at the Federal University of Bahia (Brazil), where he received the prestigious Professor Alfredo Thomé de Britto Award for outstanding graduate scientific research. Part of his medical training took place at the University of Sydney (Australia) through a Science Without Borders Scholarship. In parallel with his formal graduate training, he worked as a researcher at the university's Brain and Mind Centre during this period. As an attending physician, Dr. Bandeira acquired further clinical experience at the Brazilian Ministry of Health. Furthermore, during the pandemic, Dr. Bandeira worked on the Brazilian frontline in the fight against Covid-19. With respect to research, he has several years' experience applying noninvasive brain stimulation techniques in the fields of neurology and psychiatry. During his Ph.D. at the Federal University of Bahia, Dr. Bandeira has also acquired expertise in developing clinical trials to test the efficacy of rapid-acting antidepressants. His work involved using ketamine and its enantiomers (e.g., esketamine and arketamine) for treatment-resistant depression (TRD) and bipolar depression. Since he arrived at Stanford, he has built on his previous training in clinical trials by leading (A) the Wellcome LEAP multisite accelerated intermittent theta burst stimulation (Stanford Neuromodulation Therapy) trial for anhedonic depression and co-leading (B) a trial testing the efficacy and safety of buprenorphine in sustaining the anti-suicide properties of ketamine.

HONORS AND AWARDS

- New Investigator Award, American Society of Clinical Psychopharmacology (2024)
- Scholarship Award, American Psychopathological Association (2024)
- Travel Award, American Society of Hispanic Psychiatry (2024)
- Travel Fellowship Award, Society of Biological Psychiatry (2023)
- Postgraduate Research Fellowship, Coordination for the Improvement of Higher Education Personnel (2019)
- Professor Alfredo Thomé de Britto Award, Federal University of Bahia (2018)
- Oral Presentation Award, IX International Symposium in Neuromodulation (2017)
- Science without Borders Scholarship, National Council for Technological and Scientific Development (2016)
- Research Scholarship Award, National Council for Technological and Scientific Development (2015)
- Research Scholarship Award, Federal University of Bahia (2014)
- Research Scholarship Award, Federal University of Bahia (2013)
- Third Best Oral Presentation, Brazilian Academy of Neurology (2013)

PROFESSIONAL EDUCATION

- Doctor of Medicine, Universidade Federal da Bahia (2018)

- Doctor of Philosophy, Universidade Federal da Bahia (2021)

STANFORD ADVISORS

- Alan Schatzberg, Postdoctoral Faculty Sponsor

LINKS

- Google Scholar: <https://scholar.google.com.au/citations?user=JzTiJFkAAAAJ&hl=en>
- ResearchGate: <https://www.researchgate.net/profile/Igor-Bandeira>
- Twitter: <https://twitter.com/igorbandeira>

Publications

PUBLICATIONS

- **Esketamine Augmentation in Treatment-Resistant Obsessive-Compulsive Disorder: A Retrospective Chart Review.** *Clinical neuropharmacology*
Alves-Pereira, R., Fontes, M., Cordeiro, V., Bandeira, I. D., Faria-Guimarães, D., Silva, S. S., Mello, R. P., Leal, G. C., Sampaio, A. S., Quarantini, L. C.
2024
- **Does the intensity of dissociation predict antidepressant effects 24 hours after infusion of racemic ketamine and esketamine in treatment-resistant depression? A secondary analysis from a randomized controlled trial.** *Trends in psychiatry and psychotherapy*
Echegaray, M. V., Mello, R. P., Magnavita, G. M., Leal, G. C., Correia-Melo, F. S., Jesus-Nunes, A. P., Vieira, F., Bandeira, I. D., Caliman-Fontes, A. T., Telles, M., Guerreiro-Costa, L. N., Marback, R. F., Souza-Marques, et al
2023
- **Arketamine for bipolar depression: Open-label, dose-escalation, pilot study.** *Journal of psychiatric research*
Bandeira, I. D., Leal, G. C., Correia-Melo, F. S., Souza-Marques, B., Silva, S. S., Lins-Silva, D. H., Mello, R. P., Vieira, F., Dorea-Bandeira, I., Faria-Guimarães, D., Carneiro, B., Caliman-Fontes, A. T., Kapczynski, et al
2023; 164: 229-234
- **Taking modern psychiatry into the metaverse: Integrating augmented, virtual, and mixed reality technologies into psychiatric care.** *Frontiers in digital health*
Ford, T. J., Buchanan, D. M., Azeez, A., Benrimoh, D. A., Kaloiani, I., Bandeira, I. D., Hunegnaw, S., Lan, L., Gholmieh, M., Buch, V., Williams, N. R.
2023; 5: 1146806
- **Psychopathological symptoms in parents and siblings of people on the autism spectrum: A systematic review and meta-analysis.** *Psychiatry research*
Bispo-Torres, A. C., Lucena, R., Tavares-Rodrigues, I. C., Barouh, J. L., Lins-Silva, D. H., Dorea-Bandeira, I., Souza, L. S., Faria-Guimarães, D., Tolentino, A., Miranda-Scippa, Â., Hermens, D. F., Sampaio, A. S., Quarantini, et al
2023; 323: 115145
- **Arketamine as adjunctive therapy for treatment-resistant depression: A placebo-controlled pilot study.** *Journal of affective disorders*
Leal, G. C., Souza-Marques, B., Mello, R. P., Bandeira, I. D., Caliman-Fontes, A. T., Carneiro, B. A., Faria-Guimarães, D., Guerreiro-Costa, L. N., Jesus-Nunes, A. P., Silva, S. S., Lins-Silva, D. H., Fontes, M. A., Alves-Pereira, et al
2023
- **Hikikomori Syndrome and Digital Technologies: A Systematic Review.** *Harvard review of psychiatry*
Sales-Filho, G. S., Bandeira, I. D., Argollo, N., Lucena, R.
2023; 31 (2): 50-59
- **Efficacy and safety of transcranial direct current stimulation over the left dorsolateral prefrontal cortex in children and adolescents with attention-deficit/hyperactivity disorder: a randomized, triple-blinded, sham-controlled, crossover trial.** *Frontiers in psychiatry*
Guimarães, R. S., Bandeira, I. D., Barretto, B. L., Wanke, T., Alves, C. O., Barretto, T. L., de Carvalho, C. F., Dorea-Bandeira, I., Tolentino, A., Lins-Silva, D. H., Lucena, P. H., Lucena, R.
2023; 14: 1217407
- **Social support among individuals with bipolar disorder during euthymic phase: a systematic review.** *Clinical psychology & psychotherapy*
Stuart-Botto, P., Leda-Rego, G., Abbade, P., Bandeira, I. D., Miranda-Scippa, A.
2022

- **Autonomy, procedural and substantive: a discussion of the ethics of cognitive enhancement.** *Medicine, health care, and philosophy*
Bandeira, I. D., Lenine, E.
2022
- **A Novel PACS1 Variant Associated With Schuurs-Hoeijmakers Syndrome Phenotype in an Indigenous Descendant in Brazil: A Case Report.** *Cureus*
Lucena, P. H., Nonaka, C., Armani-Franceschi, G., Carneiro, P., Sales, H., Lucena, M., Bandeira, I. D., Solano, B., Lucena, R.
2022; 14 (10): e30486
- **Esketamine for Unipolar Major Depression With Psychotic Features: A Retrospective Chart Review and Comparison With Nonpsychotic Depression.** *Journal of clinical psychopharmacology*
Souza-Marques, B., Telles, M., Leal, G. C., Faria-Guimarães, D., Correia-Melo, F. S., Jesus-Nunes, A. P., Vieira, F., Souza, L., Lins-Silva, D., Mello, R. P., Guerreiro-Costa, L., Bandeira, I. D., Lacerda, et al
2022
- **Letter to the Editor: Antidepressant and Antisuicidal Effects of Esketamine in Adolescents with Major Depressive Disorder and Suicidal Ideation: A Case Series.** *Journal of child and adolescent psychopharmacology*
Faria-Guimaraes, D., Vieira, F., Souza-Marques, B., Silva, S. S., Bandeira, I. D., Souza, L. S., Alves-Pereira, R., Fontes, M., Mello, R. P., Leal, G. C., Cardoso, T. A., Kapczinski, F., Lacerda, et al
2022
- **Ketamine in the Treatment of Obsessive-Compulsive Disorder: A Systematic Review.** *Harvard review of psychiatry*
Bandeira, I. D., Lins-Silva, D. H., Cavenaghi, V. B., Dorea-Bandeira, I., Faria-Guimaraes, D., Barouh, J. L., Jesus-Nunes, A. P., Beanes, G., Souza, L. S., Leal, G. C., Sanacora, G., Miguel, E. C., Sampaio, et al
2022; 30 (2): 135-145
- **Metabolomics of Major Depressive Disorder: A Systematic Review of Clinical Studies.** *Cureus*
F Guerreiro Costa, L. N., Carneiro, B. A., Alves, G. S., Lins Silva, D. H., Faria Guimaraes, D., Souza, L. S., Bandeira, I. D., Beanes, G., Miranda Scippa, A., Quarantini, L. C.
2022; 14 (3): e23009
- **Clinical predictors of depressive symptom remission and response after racemic ketamine and esketamine infusion in treatment-resistant depression.** *Human psychopharmacology*
Jesus-Nunes, A. P., Leal, G. C., Correia-Melo, F. S., Vieira, F., Mello, R. P., Caliman-Fontes, A. T., Echegaray, M. V., Marback, R. F., Guerreiro-Costa, L. N., Souza-Marques, B., Santos-Lima, C., Souza, L. S., Bandeira, et al
2022: e2836
- **Antidepressant and antisuicidal effects of esketamine in adolescents with major depressive disorder and suicidal ideation: a retrospective chart review**
Faria-Guimaraes, D., Souza, L. S., Souza-Marques, B., Vieira, F., Bandeira, I. D., Silva, S. S., Sampaio, A. S., Quarantini, L. C.
ELSEVIER.2021: S167-S168
- **Intravenous (R)-ketamine for bipolar depression: report of two cases**
Bandeira, I. D., Leal, G. C., Correia-Melo, F. S., Souza-Marques, B., Carneiro, B., Beanes, G., Lins-Silva, D. H., Dorea-Bandeira, I., Lacerda, A. T., Quarantini, L. C.
ELSEVIER.2021: S519-S520
- **Pilot study of the neurocognitive effects of arketamine in treatment-resistant depression and bipolar depression**
Souza-Marques, B., Santos-Lima, C., Vieira, F., Bandeira, I. D., Leal, G. C., Silva, S. S., Mello, R. P., Carneiro, B. A., Jesus-Nunes, A. P., Caliman-Fontes, A. T., Beanes, G., Lacerda, A. T., Sampaio, et al
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- **Brain-derived neurotrophic factor serum levels following ketamine and esketamine intervention for treatment-resistant depression: secondary analysis from a randomized trial.** *Trends in psychiatry and psychotherapy*
Caliman-Fontes, A. T., Leal, G. C., Correia-Melo, F. S., Paixao, C. S., Carvalho, M. S., Jesus-Nunes, A. P., Vieira, F., Magnavita, G., Bandeira, I. D., Mello, R. P., Beanes, G., Silva, S. S., Echegaray, et al
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- **Botulinum Toxin Type A in the Spasticity of Cerebral Palsy Related to Congenital Zika Syndrome: An Observational Study** *DEVELOPMENTAL NEUROREHABILITATION*
Armani-Franceschi, G., Luz, C., Lucena, P. H., d'Afonseca, D., Sales, H., Carvalho, A. L., Siqueira, I. C., Silva, K., Portuense, S., Monteiro, L., Bandeira, I. D., Melo, A., Lucena, et al
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- **Analysis of the superior temporal gyrus as a possible biomarker in schizophrenia using voxel-based morphometry of the brain magnetic resonance imaging: a comprehensive review** *CNS SPECTRUMS*
Bandeira, I. D., Barouh, J. L., Bandeira, I. D., Quarantini, L.
2021; 26 (4): 319-325
- **Trait dissociation as a predictor of induced dissociation by ketamine or esketamine in treatment-resistant depression: Secondary analysis from a randomized controlled trial*** *JOURNAL OF PSYCHIATRIC RESEARCH*
Mello, R. P., Echegaray, M. F., Jesus-Nunes, A., Leaf, G. C., Magnavita, G. M., Vieira, F., Caliman-Fontes, A., Telles, M., Guerreiro-Costa, L. F., Souza-Marques, B., Bandeira, I. D., Santos-Lima, C., Marback, et al
2021; 138: 576-583
- **The effects of transcranial direct current stimulation on attention and inhibitory control of children and adolescents with attention-deficit/hyperactivity disorder (ADHD) Study protocol for a randomized, sham-controlled, triple-blind, cross-over trial** *MEDICINE*
Quadros Guimaraes, R., Bandeira, I. D., Barretto, B., Barretto, T., Wanke, T., Carvalho Alves, C., de Carvalho, C., Lucena, P. H., Rodrigues-Silva, L., Lucena, R.
2021; 100 (8): e24283
- **Ketamine and Esketamine augmentation for suicidal ideation: A randomized, double-blinded clinical trial** *GENERAL HOSPITAL PSYCHIATRY*
Vieira, F., Correia-Melo, F. S., Santos-Lima, C., Souza-Marques, B., Leal, G. C., Jesus-Nunes, A., Mello, R. P., Caliman-Fontes, A., Bandeira, I. D., Marback, R. F., Telles, M., Argolo, F. C., Lins-Silva, et al
2021; 68: 97-99
- **Prevalence and factors associated with depression and anxiety in people living with HTLV-1: A systematic review with meta-analysis and meta-regression.** *General hospital psychiatry*
Souza, L. S., Lins-Silva, D. H., Dorea-Bandeira, I., Barouh, J. L., Tolentino, A., Bandeira, I. D., Quarantini, L. C.
2021; 73: 54-63
- **Neuroplasticity and non-invasive brain stimulation in the developing brain.** *Progress in brain research*
Bandeira, I. D., Lins-Silva, D. H., Barouh, J. L., Faria-Guimarães, D., Dorea-Bandeira, I., Souza, L. S., Alves, G. S., Brunoni, A. R., Nitsche, M., Fregni, F., Lucena, R.
2021; 264: 57-89
- **Suicidal behavior in individuals with amyotrophic lateral sclerosis: A systematic review** *JOURNAL OF AFFECTIVE DISORDERS*
Silva-Moraes, M., Bispo-Torres, A., Barouh, J. L., Lucena, P. H., Armani-Franceschi, G., Dorea-Bandeira, I., Vieira, F., Miranda-Scippa, A., Quarantini, L. C., Lucena, R., Bandeira, I. D.
2020; 277: 688-696
- **The impact of botulinum toxin type A in the treatment of drooling in children with cerebral palsy secondary to Congenital Zika Syndrome: an observational study** *NEUROLOGICAL RESEARCH*
Sales, H. F., Cerqueira, C., Vaz, D., Medeiros-Rios, D., Armani-Franceschi, G., Lucena, P. H., Sternberg, C., Nobrega, A. C., Luz, C., Fonseca, D., Carvalho, A. L., Monteiro, L., Siqueira, et al
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- **NMDA Antagonists and Their Role in the Management of Bipolar Disorder: a Review** *CURRENT BEHAVIORAL NEUROSCIENCE REPORTS*
Delfino, R. S., Surjan, J., Bandeira, I. D., Braziliano, L., Correia-Melo, F. S., Del-Porto, J. A., Quarantini, L. C., Lacerda, A. T.
2020; 7 (2): 76-85
- **Efficacy and safety of adjunctive therapy using esketamine or racemic ketamine for adult treatment-resistant depression: A randomized, double-blind, non-inferiority study** *JOURNAL OF AFFECTIVE DISORDERS*
Correia-Melo, F. S., Leal, G. C., Vieira, F., Jesus-Nunes, A., Mello, R. P., Magnavita, G., Caliman-Fontes, A., Echegaray, M. F., Bandeira, I. D., Silva, S. S., Cavalcanti, D. E., Araujo-de-Freitas, L., Sarin, et al
2020; 264: 527-534
- **Intravenous arketamine for treatment-resistant depression: open-label pilot study** *EUROPEAN ARCHIVES OF PSYCHIATRY AND CLINICAL NEUROSCIENCE*
Leal, G. C., Bandeira, I. D., Correia-Melo, F. S., Telles, M., Mello, R. P., Vieira, F., Lima, C. S., Jesus-Nunes, A., Guerreiro-Costa, L. F., Marback, R. F., Caliman-Fontes, A., Marques, B. S., Bezerra, et al
2021; 271 (3): 577-582
- **KPTN gene homozygous variant-related syndrome in the northeast of Brazil: A case report** *AMERICAN JOURNAL OF MEDICAL GENETICS PART A*
Lucena, P. H., Armani-Franceschi, G., Bispo-Torres, A., Bandeira, I. D., Lucena, M. G., Maldonado, I., Veiga, M. F., Miguel, D., Lucena, R.
2020; 182 (4): 762-767

- **Transcranial-direct current stimulation on attention and inhibitory control of children and adolescents with ADHD: A randomized, crossover, triple-blind, sham-controlled study**
Guimaraes, R. Q., Bandeira, I. D., Barretto, B. L., Barretto, T. L., Wanke, T., Alves, C. C., Carvalho, C. F., Lucena, P. H., Rodrigues-Silva, L., Lucena, R.
ELSEVIER.2019: S551-S552
- **Dissociative symptoms predict antidepressant response after infusion of ketamine in treatment-resistant depression**
Echegaray, M. F., Mello, R., Correia-Melo, F. S., Leal, G. C., Jesus-Nunes, A. P., Vieira, F., Fontes, A. C., Beanes, G., Magnavita, G., Bandeira, I. D., Lacerda, A. T., Quarantini, L. C.
ELSEVIER.2019: S321-S322
- **Acute antidepressant effects of different ketamine isomers in rats submitted to maternal separation animal model: A pilot study**
Beanes, G., Carneiro, B., Marques, G., Bandeira, I. D., Reus, G. Z., Mello, R., Lacerda, A. T., Santana, R. C., Quarantini, L. C.
ELSEVIER.2019: S324-S325
- **Prevalence of depression, anxiety, and substance-related disorders in parents of children with cerebral palsy: a systematic review** *DEVELOPMENTAL MEDICINE AND CHILD NEUROLOGY*
Barreto, T. M., Bento, M. N., Barreto, T. M., Jagersbacher, J., Jones, N. S., Lucena, R., Bandeira, I. D.
2020; 62 (2): 163-+
- **Transcranial direct current stimulation in the treatment of cerebellar ataxia: A two-phase, double-blind, auto-matched, pilot study** *CLINICAL NEUROLOGY AND NEUROSURGERY*
Barretto, T., Bandeira, I., Jagersbacher, J., Barretto, B., Souza de Oliveira e Torres, A., Pena, N., Vivas Miranda, J., Lucena, R.
2019; 182: 123-129
- **Primary cutaneous nocardiosis** *JOURNAL DER DEUTSCHEN DERMATOLOGISCHEN GESELLSCHAFT*
Bandeira, I., Guimaraes-Silva, P., Cedro-Filho, R., Pedreira de Almeida, V., Bittencourt, A. L., Brites, C.
2019; 17 (3): 327-329
- **Impact of Transcranial Direct Current Stimulation on Reading Skills of Children and Adolescents With Dyslexia.** *Child neurology open*
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2018; 5: 2329048X18798255
- **Comparative study of esketamine and racemic ketamine in treatment-resistant depression Protocol for a non-inferiority clinical trial** *MEDICINE*
Correia-Melo, F. S., Leal, G. C., Carvalho, M. S., Jesus-Nunes, A., Ferreira, C. N., Vieira, F., Magnavita, G., Vale, L. S., Mello, R. P., Nakahira, C., Argolo, F. C., Cardoso, T., Souza, et al
2018; 97 (38): e12414
- **Medical education and leadership: a call to action for Brazil's mental health system** *INTERNATIONAL JOURNAL OF MEDICAL EDUCATION*
Bandeira, I. D., Mendoza, J.
2018; 9: 170-172
- **BOTULINUM TOXIN TYPE A IN THE TREATMENT OF FACIAL MYOTONIA IN SCHWARTZ-JAMPEL SYNDROME** *MUSCLE & NERVE*
Bandeira, I., Jagersbacher, J., Barretto, T., Santos, C., Lucena, R.
2017; 56 (2): E10-E11
- **Postoperative persistent chronic pain: what do we know about prevention, risk factors, and treatment** *REVISTA BRASILEIRA DE ANESTESIOLOGIA*
Kraychete, D., Sakata, R., Carvalho Lannes, L., Bandeira, I., Sadatsune, E.
2016; 66 (5): 505-512
- **Congenital Chikungunya Virus Infection after an Outbreak in Salvador, Bahia, Brazil** *AJP REPORTS*
Ribeiro Lyra, P., Campos, G., Bandeira, I., Sardi, S., de Moura Costa, L., Santos, F., Santos Ribeiro, C., Barreto Jardim, A., Travassos Santiago, A., Ribeiro de Oliveira, P., Oliveira Moreira, L.
2016; 6 (3): E299-E300
- **Transcranial Direct Current Stimulation in Children and Adolescents With Attention-Deficit/Hyperactivity Disorder (ADHD): A Pilot Study** *JOURNAL OF CHILD NEUROLOGY*
Bandeira, I., Quadros Guimaraes, R., Jagersbacher, J., Barretto, T., de Jesus-Silva, J., Santos, S., Argollo, N., Lucena, R.
2016; 31 (7): 918-924