CURRICULUM VITAE

PERSONAL INFORMATION:

Full Name	Ives Cavalcante Passos
Father's Full Name	Francisco Passos Dias
Mother's Full Name	Eurídice Vânia Cavalcante Passos
Gender	Male
Birth Information	06/10/1984 - Recife/PE - Brazil
Identification Document	1028877643 MD // Brazil
CPF	965.591.283-34
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Citzenship	Brazilian
Medical Licensure	Conselho Regional de Medicina, Rio Grande do Sul, Brazil,
Residential Address	Avenida Ijuí; Petrópolis - Porto Alegre; CEP: 90460200, RS - Brazil
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PRESENT TITLE:

- Professor of Psychiatry of the Department of Psychiatry of the Universidade Federal do Rio Grande do Sul (UFRGS), Brazil
- Professor of Psychiatry of the Ph.D. Program of the Universidade Federal do Rio Grande do Sul (UFRGS), Brazil
- Psychiatrist and Professor of the Residency Program in Psychiatry at the Hospital de Clínicas de Porto Alegre (HCPA), the university hospital of UFRGS.
- Professor and Researcher at the Laboratory of Molecular Psychiatry at UFRGS

PERSONAL STATEMENT:

I am a psychiatrist and researcher trained in clinical psychiatry and neuroscience with focus on mood disorders, post-traumatic stress disorder, suicide, geriatric psychiatry and methods to analyze big data, such as machine learning. My current research interests lie in 1) understand the biological underpinnings of mood disorders; 2) study the predictors of illness progression in mood disorders, such as trauma exposure, comorbid substance use, comorbid anxiety disorder, number of mood episodes; 3) integrate multiple clinical and biological features to predict psychiatric disorder outcomes; 4) study clinical outcomes related to psychiatric illness progression, such as suicide, treatment refractoriness, and cognitive/functioning impairment; 5) aid to develop public health policy to prevent suicide attempts; 6) promote the mental health of older people through professional education, public advocacy. The long-term goal of my career is to integrate meaningful clinical and molecular variables from multiple biological levels to predict clinical outcomes in psychiatric disorders.

ACADEMIC QUALIFICATIONS

University attended	Type of degree obtained	Date
Federal University of Ceara, Brazil	M.D.	2003-2009
Université Claude Bernard Lyon 1, France	Internship	2007-2008
Federal University of Rio Grande do Sul, Brazil	Residency in Psychiatry	2011-2014
Federal University of Rio Grande do Sul, Brazil	Ph.D.	2013-2015
The University of Texas Health Science Center at Houston, USA	Sandwich Ph.D.	2014-2015
The University of Texas Health Science Center at Houston, USA	Postdoctoral Fellow	2015

LANGUAGES

English (fluent)**, French** (fluent)**, Portuguese** (fluent)

Areas of Expertise
Mood Disorders; Posttraumatic Stress Disorders; Neuroscience; Inflammation; Suicide; Geriatric Psychiatry; Machine Learning; Big Data

HOSPITAL APPOINTMENTS:
- Attending Psychiatrist and Resident Supervisor, 2016-Current, Hospital de Clinicas, Porto Alegre, Brazil
- Attending Psychiatrist of the Bipolar Disorders Program, 2012-Current, Hospital de Clinicas, Porto Alegre, Brazil
- Head and Attending Psychiatrist of the Geriatric Psychiatry Program, 2016-Current, Hospital de Clinicas, Porto Alegre, Brazil
- Head of the University Extension Program in Pharmacology, 2005-2007, Hospital de Clínicas, Fortaleza, Brazil

HONORS AND AWARDS:
August 2015: PhD degree "with outstanding honor"
July 2014: CAPES grant from the Brazilian government – "Sandwich Ph.D.". Invited as PhD student to University of Texas Health Science at Houston.
November 2011: Finish in first place – The selection contest of psychiatry residents of the UFRGS
November 2013: Finish in first place - The selection contest of medical PhD students of THE UFRGS

EDITORIAL POSITIONS:
Member, Editorial Board, The Scientific Pages of Psychiatry
Ad-hoc consultant, Acta Psychiatrica Scandinavica
Ad-hoc consultant, Annals of Psychiatry and Mental Health
Ad-hoc consultant, Behavioural Neurology
Ad-hoc consultant, Current Neuropharmacology
Ad-hoc consultant, Bipolar Disorders
Ad-hoc consultant, Journal of Afective Disorders
Ad-hoc consultant, Journal of Psychiatry Research
Ad-hoc consultant, Medicine
Ad-hoc consultant, RBP Psychiatry
Ad-hoc consultant, Psychiatry Research
Ad-hoc consultant, Trends in Psychiatry and Psychotherapy
Ad-hoc consultant, Harvard Review of Psychiatry

COMPLEMENTARY EDUCATION
2015: Write Winning NIH Grant Proposals. The University of Texas MD Anderson Cancer Center, USA
2013: Short course in Cardiopulmonary Reanimation, Clinical Hospital of Porto Alegre, HCPA, Brazil
2011: Short Course on Systematic Review and Meta-Analysis. Moinhos de Vento Hospital Association, Brazil
2011: Short Course in Science and Innovation in Psychiatry. Clinical Hospital of Porto Alegre, HCPA, Brazil
2008: Continuing education: Basic Course for Health Care for Children and Adolescents, UFC, Fortaleza, Brazil
2008: Continuing education: General Psychiatry. Université Claude Bernarde Lyon 1, Centre Hospitalier Le Vinatier, France
2007: Continuing education: General and Digestive Surgery. Université Claude Bernarde Lyon 1, Hôpital de la Croix Rousse, France
2006: Continuing education: II Update Course in Obstetrics and Neonatology, UFC, Fortaleza, Brazil
2006: Continuing education: Side Effects Drug Therapy. Federal University of Ceará, UFC, Fortaleza, Brazil
2005: Continuing education: Neurological Emergencies Course. Federal Unibersity of Ceará, UFC, Brazil
2005: Continuing education: Clinical Radiology Course. Federal University of Ceará, UFC, Brazil
2004: Continuing education: III Course of Eletrocardiogram Federal University of Ceará, UFC, Fortaleza, Brazil
2004: Continuing education: Course of Clinical and Surgical Emergencies. UFC, Fortaleza, Brazil

PAPERS IN PEER-REVIEWED JOURNALS:
1. **Passos IC**, Mwangi B, Kapczinski F. Big data analytics and machine learning: 2015 and beyond. The Lancet Psychiatry. 2016 Jan;3(1):13-5. doi: 10.1016/S2215-0366(15)00549-0. PubMed PMID: 26772057.
2. **Passos IC,** Vasconcelos-Moreno MP, Costa LG, Kunz M, Brietzke E, Quevedo J, Salum G, Magalhães PV,

Kapczinski F, Kauer-Sant'Anna M. Post-traumatic stress disorder and interleukin 6 - Authors' reply. The Lancet Psychiatry. 2016 Mar;3(3):202. doi: 10.1016/S2215-0366(16)00054-7. PubMed PMID: 26946389.

3. **Passos IC,** Jansen K, Cardoso Tde A, Colpo GD, Zeni CP, Quevedo J, Kauer-Sant'Anna M, Zunta-Soares G, Soares JC, Kapczinski F. Clinical outcomes associated with comorbid posttraumatic stress disorder among patients with bipolar disorder. The Journal of Clinical Psychiatry. 2016 May;77(5):e555-60. doi: 10.4088/JCP.15m09935. PubMed PMID: 27135375.

4. **Passos IC,** Mwangi B, Vieta E, Berk M, Kapczinski F. Areas of controversy in neuroprogression in bipolar disorder. Acta Psychiatrica Scandinavica. 2016 Apr 21. doi: 10.1111/acps.12581. PubMed PMID: 27097559.

5. Wollenhaupt-Aguiar B, Pfaffenseller B, Chagas VS, Castro MA, **Passos IC,** Kauer-Sant'Anna M, Kapczinski F, Klamt F. Reduced Neurite Density in Neuronal Cell Cultures Exposed to Serum of Patients with Bipolar Disorder. International Journal of Neuropsychopharmacology. 2016 May 31. doi: 10.1093/ijnp/pyw051. PubMed PMID: 27207915.

6. **Passos IC,** Mwangi B, Cao B, Hamilton JE, Wu MJ, Zhang XY, Zunta-Soares GB, Quevedo J, Kauer-Sant'Anna M, Kapczinski F, Soares JC. Identifying a clinical signature of suicidality among patients with mood disorders: A pilot study using a machine learning approach. Journal of Affective Disorders. 2016 Mar 15;193:109-16. doi: 10.1016/j.jad.2015.12.066. PubMed PMID: 26773901

7. Wu MJ, Mwangi B, Bauer IE, **Passos IC,** Sanches M, Zunta-Soares GB, Meyer TD, Hasan KM, Soares JC. Identification and individualized prediction of clinical phenotypes in bipolar disorders using neurocognitive data, neuroimaging scans and machine learning. Neuroimage. 2016 Feb 13. doi: 10.1016/j.neuroimage.2016.02.016. PubMed PMID: 26883067.

8. Cao B, Stanley JA, Selvaraj S, Mwangi B, **Passos IC**, Zunta-Soares GB, Soares JC. Evidence of altered membrane phospholipid metabolism in the anterior cingulate cortex and striatum of patients with bipolar disorder I: A multi-voxel 1H MRS study. Journal od Psychiatry Research. 2016; in press. doi: 10.1016/j.jpsychires.2016.06.006

9. Boeira MV, Berni GÁ, **Passos IC,** Kauer-Sant'Anna M, Kapczinski F. Virginia Woolf, neuroprogression, and bipolar disorder. Revista Brasileira de Psiquiatria. 2016 Jun 14:0. Doi: 10.1590/1516-4446-2016-1962. PubMed PMID: 27304258

10. Vasconcelos-Moreno MP, Bücker J, Bürke KP, Czepielewski L, Santos BT, Fijtman A, **Passos IC**, Kunz M, Bonnín CD, Vieta E, Kapczinski F, Rosa AR, Kauer-Sant'Anna M. Cognitive performance and psychosocial functioning in patients with bipolar disorder, unaffected siblings, and healthy controls. Revista Brasileira de Psiquiatria. 2016 Apr 19. doi: 10.1590/1516-4446-2015-1868. PubMed PMID: 27096411.

11. Mwangi B, Wu MJ, Cao B, **Passos IC**, Lavagnino L, Keser Z, Zunta-Soares GB, Hasan KM, Kapczinski F, Soares JC. Individualized Prediction and Clinical Staging of Bipolar Disorders using Neuroanatomical Biomarkers. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging. 2016 Mar 1;1(2):186-194. doi:10.1016/j.bpsc.2016.01.001. PubMed PMID: 27047994.

12. da Costa SC, **Passos IC,** Réus GZ, Carvalho AF, Soares JC, Quevedo J. The Comorbidity of Bipolar Disorder and Migraine: The Role of Inflammation and Oxidative and Nitrosative Stress. Current Molecular Medicine. 2016;16(2):179-86. doi: 10.2174/1566524016666160126144440 PubMed PMID: 26812917.

13. Wu MJ, **Passos IC,** Bauer IE, Lavagnino L, Cao B, Zunta-Soares GB, Kapczinski F, Mwangi B, Soares JC. Individualized identification of euthymic bipolar disorder using the Cambridge Neuropsychological Test Automated Battery (CANTAB) and machine learning. Journal of Affective Disorders. 2016 Mar 1;192:219-25. doi: 10.1016/j.jad.2015.12.053. PubMed PMID: 26748737.

14. Cao B, **Passos IC,** Mwangi B, Bauer IE, Zunta-Soares GB, Kapczinski F, Soares JC. Hippocampal volume and verbal memory performance in late-stage bipolar disorder. Journal of Psychiatric Research. 2016 Feb;73:102-7. doi: 10.1016/j.jpsychires.2015.12.012. PubMed PMID: 26714201.

15. **Passos IC,** Vasconcelos-Moreno MP, Costa LG, Kunz M, Brietzke E, Quevedo J, Salum G, Magalhães PV, Kapczinski F, Kauer-Sant'Anna M. Inflammatory markers in post-traumatic stress disorder: a systematic review, meta-analysis, and meta-regression. The Lancet Psychiatry. 2015 Nov;2(11):1002-12. doi: 10.1016/S2215-0366(15)00309-0. PubMed PMID: 26544749.

16. Hamilton JE, **Passos IC,** de Azevedo Cardoso T, Jansen K, Allen M, Begley CE, Soares JC, Kapczinski F. Predictors of psychiatric readmission among patients with bipolar disorder at an academic safety-net hospital. Australian & New Zealand Journal of Psychiatry. 2016 Jun;50(6):584-93. doi: 10.1177/0004867415605171. PubMed PMID: 26377747.

17. da Costa SC, **Passos IC,** Lowri C, Soares JC, Kapczinski F. Refractory bipolar disorder and neuroprogression. Progress in Neuro-Psychopharmacology & Biological Psychiatry. 2015 Sep 12. doi:

10.1016/j.pnpbp.2015.09.005. PubMed PMID: 26368941.

18. **Passos IC,** Kapczinski F. Immune activation as a mediator of the gut-brain axis in manic episodes. Australian & New Zealand Journal of Psychiatry. 2015 Dec;49(12):1223. doi: 10.1177/0004867415601737. PubMed PMID: 26316004.

19. **Passos IC,** Jansen K, Kapczinski F. Developmental staging models in bipolar disorder. International Journal of Bipolar Disorders. 2015 Dec;3(1):33. doi: 10.1186/s40345-015-0033-1. PubMed PMID: 26228989.

20. Gomes FG, **Passos IC,** Krolow AC, Reckziegel R, Vasconcelos-Moreno MP, Spanemberg L, Belmonte-de-Abreu P, Kapczinski F, Kauer-Sant'Anna M. Differences in parental bonding between schizophrenia and bipolar disorder: Evidence of prodromal symptoms? Schizophrenia Research. 2015 Jul;165(2-3):134-7. doi: 10.1016/j.schres.2015.03.032. PubMed PMID: 26012355.

21. Réus GZ, Fries GR, Stertz L, Badawy M, **Passos IC,** Barichello T, Kapczinski F, Quevedo J. The role of inflammation and microglial activation in the pathophysiology of psychiatric disorders. Neuroscience. 2015 Aug 6;300:141-54. doi: 10.1016/j.neuroscience.2015.05.018. PubMed PMID: 25981208.

22. Kapczinski F, **Passos IC.** Wet minds, dry minds, and the future of psychiatry as a science. Acta Psychiatrica Scandinavica. 2015 Jan;131(1):7-8. doi: 10.1111/acps.12357. PubMed PMID: 25495018.

23. Costa LG, Massuda R, Pedrini M, **Passos IC,** Czepielewski LS, Brietzke E, Gama CS. Functioning in early and late stages of schizophrenia. Trends in Psychiatry and Psychotherapy. 2014 Dec;36(4):209-13. doi: 10.1590/2237-6089-2014-0028. PubMed PMID: 27001021.

24. Trachtenberg E, **Passos IC**, Kleina WW, Rocha NS, Fleck MP. Hypothyroidism and severe neuropsychiatric symptoms: a rapid response to levothyroxine. Revista Brasileira de Psiquiatria. 2012 Dec;34(4):501-4. doi: 10.1016/j.rbp.2012.04.003. PubMed PMID: 23429824.

25. Galvez JF, **Passos IC,** Kapczinski F, Soares JC. Staging Models in Bipolar Disorder. FOCUS, v. 13, p. 19-24, 2015.

26. **Passos IC**, Kapczinski NS, Quevedo J, Kauer-Sant'Anna M, Kapczinski F. Staging Models and Functional Outcomes in Bipolar Disorder: Clinical Implications. Current Treatment Options in Psychiatry, v. 46, p. 46, 2015.

27. **Passos IC**, Quevedo J. Treatment-resistant mood disorders. Archives of Clinical Psychiatry (São Paulo), v. 42, p. 81-82, 2015.

BOOK CHAPTERS

1. **Passos IC**, Kapczinski F. Neuroprogression in bipolar disorder: treatment implications. In: Roger McIntyre; André Ferrer. (Org.). The treatment of bipolar disorder: integrative clinical strategies and future directions. 1ed.Oxford: Oxford University Press, 2016.

2. Selek S, **Passos IC**, Soares JC. The management of treatment-resistant bipolar disorder. The Treatment of Bipolar Disorder: Integrative Clinical Strategies and Future Directions. 1ed. Oxford University Press, 2016.

3. Sharma MS; **Passos IC**; Carvalho AF. Untoward side effects of psychiatric drugs. Mental Disorders in Primary Care. 1ed.Oxford: Oxford University Press, 2016.

4. **Passos IC**. O impacto da análise de big data, técnicas de machine learning e medicna P4 na psiquiatria. In: Antônio Geraldo da Silva; Antonio Egídio Nardi; João Quevedo. (Org.). PROPSIQ. 5 ed.Porto Alegre: Artmed Panamericana Editora, 2016, v.

5. **Passos IC**, Gomes FA, Sanshis F, Kapczinski F, Kauer-Sant'Anna M. Transtorno Bipolar. In: Aristides Cordioli; Luciano Isolan; Carolina Galois. (Org.). Psicofármacos - Consulta Rápida - 5ª edição. 5ed.Porto Alegre: Artmed, 2015, v. 1, p. 501-517.

6. **Passos IC**.. Tianeptina. In: Aristides Cordioli, Luciano Isolan, Carolina Gallois. (Org.). Psicofármacos - Consulta Rápida - 5ª edição. 5ed.Porto Alegre: Artmed, 2015, v. 1, p. 413-415.

7. Passos IC. Olanzapina. In: Aristides Cordioli; Luciano Isolan; Carolina Gallois. (Org.). Psicofármacos - Consulta Rápida - 5ª edição. 5ed.Porto Alegre: Artmed, 2015, v. 1, p. 318-323.

8. **Passos IC** Iloperidona. In: Aristides Cordioli; Luciano Isolan; Carolina Gallois. (Org.). Psicofármacos - Consulta Rápida - 5ª edição. 5ed.Porto Alegre: Artmed, 2015, v. 1, p. 231-235.

9. **Passos IC**. Asenapina. In: Aristides Cordioli; Luciano Isolan; Carolina Gallois. (Org.). Psicofármacos - Consulta Rápida - 5ª edição. 5ed.Porto Alegre: Artmed, 2015, v. 1, p. 64-68.

10. Sulzbach M, **Passos IC**, Brietzke E, Kauer-Sant'Anna M. Capítulo 16. Depressão gestacional e pós-parto. In: Quevedo, J; Silva, AG. (Org.). Depressão - Col. Teoria e Clínica. 1ed.Porto Alegre: Artmed, 2012, v. 1, p. 179-196.