

CURRICULUM VITAE
Lucas Albrechet-Souza

Current Title: Instructor - Research
Business Address: 1901 Perdido Street, Rm 6144, New Orleans, LA 70112
Business Telephone and Fax: (504) 568-4016 / (504) 568-5643
Business email Address: ldesou@lsuhsc.edu

Education:

Undergraduate

- 2000-2004 **BS, Biology**
University of Sao Paulo, Brazil
Honors thesis: One-trial tolerance to midazolam and antinociception in rats submitted to the elevated plus-maze test
Mentor: Marcus L. Brandao
- 2000-2006 **BS, Biology Education**
University of Sao Paulo, Brazil

Graduate

- 2004-2006 **MS, Psychobiology**
Department of Psychology, University of Sao Paulo, Brazil
Thesis: Serotonergic modulation of exploratory behavior in rats submitted to test and retest in the elevated plus-maze
Mentor: Marcus L. Brandao
- 2006-2010 **PhD, Psychobiology**
Department of Psychology, University of Sao Paulo, Brazil
Dissertation: Hormonal, cognitive and neuroanatomical factors associated with the exploratory behavior of rats submitted to test and retest in the elevated plus maze
Mentor: Marcus L. Brandao

Post-Doctoral Fellowships

- 2011-2012 **Postdoctoral Fellow**
Department of Psychology, University of Sao Paulo, Brazil
Research project: The role of dopaminergic mechanisms in the nucleus accumbens on the expression of conditioned fear in rats
Mentor: Marcus L. Brandao
- 2013-2015 **Postdoctoral Fellow**
Department of Psychology, Tufts University, Boston-MA
Research project: Evaluation of ventral tegmental area CRF mechanisms in stress-induced escalation of cocaine and alcohol intake in rodents. Mentor: Klaus A. Miczek

2018-2018 **Postdoctoral Fellow**
Department of Physiology, LSUHSC, New Orleans-LA
Research project: The role of BLA interneurons and endocannabinoid signaling in mediating post-stress escalation of alcohol drinking in rats
Mentor: Nicholas W. Gilpin

Career Development Courses

2018 Finding Balance and Bounty at a Comprehensive University
College of Science and Mathematics, Fresno State-CA

2018 Diversity workshop for graduate faculty
Postbaccalaureate Research Education Program (PREP) in Biomedical Sciences, LSUHSC, New Orleans-LA

2019 Summer Program - Interdisciplinary Research Training Institute on Hispanic Drug Abuse.
University of Southern California, Los Angeles-CA

2019 Safe Zone Training - Creating sustainable SafeZone Programs in your workplace or school. LSUHSC School of Medicine, New Orleans-LA

2019 Instructional and assessment strategies for Physiology teaching excellence workshop. LSUHSC, Department of Physiology, New Orleans-LA

2020 Creating an inclusive environment in the laboratory. LSUHSC School of Medicine, Office of Diversity and Community Engagement, New Orleans-LA

Academic, Professional, and Research Appointments:

2015-2018 **Junior Research Fellow**
Department of Psychology, Federal University of Rio Grande do Sul, Brazil
Research project: Social defeat stress, CRF receptors type 1 and 2, defensive strategies and alcohol consumption in mice

2018-2022 **Instructor - Research**
Department of Physiology, LSUHSC, New Orleans-LA

2022-Present **Instructor - Research**
Department of Cell Biology and Anatomy, LSUHSC, New Orleans-LA

Membership in Professional Organizations:

2003-Present Member, Brazilian Society of Physiology (SBFis)

2007-Present Council member, Institute of Neuroscience and Behavior (INeC)

2007-Present Member, International Behavioral Neuroscience Society (IBNS)

2007-Present Member, Society for Neuroscience (SfN)

2015-Present Member, National Association for Research and Graduate Studies in Psychology (ANPEPP)

2018-Present Member, Research Society on Alcoholism (RSA)

- 2018-Present Member, International Cannabinoid Research Society (ICRS)
2019-Present Member, National Hispanic Science Network (NHSN)

Awards and Honors:

- 2002 Undergraduate Research fellowship, Sao Paulo Research Foundation (FAPESP), Brazil
2003 Outstanding Undergraduate Research, University of Sao Paulo, Brazil
2004 Master's fellowship, Coordination for the Improvement of Higher Education Personnel (CAPES), Brazil
2006 Doctoral fellowship, National Council for Scientific and Technological Development (CNPq), Brazil
2010 Latin America Postdoctoral fellowship, National Scientific and Technical Research Council (CONICET), Argentina
2011 Postdoctoral fellowship, National Council for Scientific and Technological Development (CNPq), Brazil
2012 Travel award to attend the Forum of Neuroscience in Barcelona-Spain, Coordination for the Improvement of Higher Education Personnel (CAPES), Brazil
2012 Overseas Postdoctoral fellowship, Coordination for the Improvement of Higher Education Personnel (CAPES), Brazil
2013 Overseas Postdoctoral fellowship, Science without Borders, Brazil
2015 Junior Research fellowship, Science without Borders, Brazil
2018 Travel award to attend the workshop Finding Balance and Bounty at a Comprehensive University, College of Science and Mathematics-Fresno State, Fresno-CA
2019 Fellowship award, Interdisciplinary Research Training Institute on Hispanic Drug Abuse
2021 Travel award to attend the National Hispanic Science Network (NHSN) Conference in Grand Rapids-MI
2022 Fellowship award, American College of Neuropsychopharmacology (ACNP) URM Near-Peer Mentorship Program

TEACHING EXPERIENCE AND RESPONSIBILITIES

Formal Course Responsibilities

University of Sao Paulo, Brazil

- 2001 Teaching Assistant: Introduction to molecular and cellular biology (undergraduate-level, 80h)
2005-2010 Teaching Assistant: Preparation of rat tissue for microscopic analysis (undergraduate-level, 4h/year)
2006 Teaching Assistant: Anatomy and physiology I (undergraduate-level, 80h)

- 2006-2007 Lecture: Introduction to pain pathways and mechanisms (graduate-level, 1h/year)
- 2007-2008 Lecture: Cognitive foundations: Thinking (graduate-level, 1h/year)
- 2007-2009 Lecture: GABAergic modulation of conditioned and unconditioned fear (undergraduate-level, 1h/year)
- 2009 Lecture: Pain: types, mechanisms and treatment (graduate-level, 1h)
- 2009 Lecture: The neurobiology of defensive behavior (undergraduate-level, 1h)
- 2011 Lecture: The role of the HPA axis in the modulation of defensive responses (graduate-level, 1h)
- 2011 Lecture: Motivational perspectives on chronic pain (graduate-level, 1h)
- 2012 Lecture: Topics in cognitive psychology: Thinking (graduate-level, 1h)

Tufts University, Boston-MA

- 2013 Lecture: Ultrasonic vocalizations in rodents (undergraduate-level, 1h)
- 2014 Lecture: Alcohol consumption in mice: The drinking-in-the-dark model (undergraduate-level, 1h)

Federal University of Rio Grande do Sul, Brazil

- 2015 Lecture: Social stress and drug intake in rodents (graduate-level, 1h)
- 2015/2017 Lecture: Functional connectivity of periaqueductal grey matter and ventral tegmental area (graduate-level, 2h/year)
- 2016 Teaching Assistant: Basic psychological process (undergraduate-level, 40h)
- 2016 Lecture: The role of CRF on stress-induced escalation of alcohol and cocaine intake (graduate-level, 1h)
- 2017 Lecture: The neurobiology of addiction (graduate-level, 1h)
- 2017 Lecture: CRF mechanisms in the BNST modulate voluntary alcohol consumption in mice with a history of social defeat stress (graduate-level, 1h)
- 2017 Lecture: Social stress and alcohol intake in mice (graduate-level, 1h)

LSUHSC, New Orleans-LA

- 2019-2021 Co-director: Journal club (Physio 290-10251) (graduate-level, 30h/year)
- 2019-2021 Lecture: Writing manuscript discussion
LSUHSC-New Orleans Postbaccalaureate Research Education Program (PREP) in Biomedical Sciences (graduate-level, 2h/year)
- 2019-2020 Lecture: Neurophysiology
LSUHSC-New Orleans Tiger Scholars Undergraduate Summer Enrichment Program (undergraduate-level, 2h/year)

- 2019-2021 Lecture: Research documentation process
LSUHSC-New Orleans Postbaccalaureate Research Education Program (PREP) in Biomedical Sciences (graduate-level, 2h)
- 2019-2021 Lecture: Scientific articles: Introduction
LSUHSC-New Orleans Postbaccalaureate Research Education Program (PREP) in Biomedical Sciences (graduate-level, 2h)
- 2020-2021 Lecture: Nerve excitation
LSUHSC-New Orleans, School of Dentistry, Program in Dental Hygiene (undergraduate-level, 1h)
- 2020-2021 Lecture: Sensory physiology
LSUHSC-New Orleans, School of Dentistry, Program in Dental Hygiene (undergraduate-level, 1h)
- 2020 Lecture: Basics of Neurotransmission
LSUHSC-New Orleans, School of Medicine, Special Topics in Physiology: Physiological Basis of Behavior (graduate-level, 1h)
- 2020 Lecture: Stress Reactivity
LSUHSC-New Orleans, School of Medicine, Special Topics in Physiology: Physiological Basis of Behavior (graduate-level, 1h)
- 2020-2021 Lecture: Spinal Cord Injury
LSUHSC-New Orleans, School of Nursing, Pathophysiology (undergraduate-level, 1h)
- 2020-2021 Lecture: Brain Disorders
LSUHSC-New Orleans, School of Nursing, Pathophysiology (undergraduate-level, 1h)
- 2021 Co-director: Perspectives in alcohol research (Physio 289)
LSU Health Sciences Center-New Orleans (graduate-level, 15h)
- 2021 Lecture: Inflammation
LSU Health Sciences Center-New Orleans, School of Nursing, Pathophysiology (undergraduate-level, 1h)
- 2021 Lecture: Infection & Immunity
LSU Health Sciences Center-New Orleans, School of Nursing, Pathophysiology (undergraduate-level, 1h)
- 2021 Lecture: Neoplasia/Cancer
LSU Health Sciences Center-New Orleans, School of Nursing, Pathophysiology (undergraduate-level, 1h)
- 2022 Director: Cell Biology & Anatomy Journal club
LSU Health Sciences Center-New Orleans (graduate-level, 12h/year)
- 2022 Lecture: How to keep a lab notebook
LSU Health Sciences Center-New Orleans, School of Graduate Studies, Professionalism in Science II (graduate-level, 1h)
- 2022 Lecture: Miscellaneous examples and case studies of contemporary ethical issues in biomedical research
LSU Health Sciences Center-New Orleans, School of Graduate Studies, Ethics in the Biomedical Sciences (graduate-level, 1h)

Departmental/Interdisciplinary Teaching Conferences

2020 Sex differences in traumatic stress reactivity and endocannabinoids levels in rats after exposure to predator odor stress. LSUHSC Physiology Seminar Series. New Orleans-LA

Undergraduate or Graduate Students Trained

2007 Camila Nascimento Reis (Honor thesis advisor)
Neurobiological mechanisms in panic disorder: An overview.
Claretian University Centre, Brazil

2014 Eric Y. Zhang (Research advisor)
The effect of a CRFR1 antagonist on the escalation of alcohol consumption in mice exposed to brief episodes of social defeat stress.
Tufts University, Boston-MA

2015-2018 Mailton Vasconcelos (Dissertation co-advisor)
Intermittent social defeat stress in male Wistar rats: Review and experimental corticotropin-releasing factor system manipulations.
Federal University of Rio Grande do Sul, Brazil

2016-2017 Caroline Rossi Canani (Research advisor)
Evaluation of the effects of repeated social defeat stress on anxiety, depression and alcohol consumption in male mice.
Federal University of Rio Grande do Sul, Brazil

2019 Tivon M. Eugene (Research advisor)
Summer Research Program-LSUHSC, New Orleans-LA

2019 Tomasz Bielawski (Research advisor)
Lab research rotation, PhD candidate
LSUHSC, New Orleans-LA

2020-2021 Dennis Parker Kelley (Research advisor)
Lab research rotation, PhD candidate
LSUHSC, New Orleans-LA

2021 Samira A. Mohammed (Mentor)
LSU Health Sciences Center-New Orleans Postbaccalaureate Research Education Program (PREP) in Biomedical Sciences

2021-2022 Adelis Cruz (Alumni Peer Mentor)
Enhanced Interdisciplinary Research Training Institute on Hispanic Substance Abuse Program. University of Southern California

Thesis and Dissertation Committees

2015 Thiago W. Viola (PhD Qualifying Exam)
Epigenetic mechanisms involved in risk assessment behavior: effects of exposure to early life stress
Pontifical Catholic University of Rio Grande do Sul, Brazil

2016 Adriana C. P. dos Santos (Dissertation)
Role of raphe median nucleus serotonergic and noradrenergic systems in the development of chronic stress tolerance. University of Sao Paulo, Brazil

- 2017 Douglas M. da Silva (Thesis)
Ethanol-induced placed conditioning in rats: methodological review and experimental study. Federal University of Rio Grande do Sul, Brazil
- 2017 Dirson J. Stein (PhD Qualifying Exam)
Chronic social defeat stress in male Wistar rats: coping strategies, neurogenesis, neural activity and inflammatory markers
Federal University of Rio Grande do Sul, Brazil
- 2017 Marina M. S. Scafuto (Thesis)
Effects of hormonal therapy on aggressive behavior in an animal model of perimenopause. University of Sao Paulo, Brazil
- 2018 Luis Eduardo Wearick da Silva (Dissertation)
The impact of an experimental model of impoverished environment on cognition and gait adaptability: Effects on BDNF signaling and dopamine receptors D1 and D2. Pontifical Catholic University of Rio Grande do Sul, Brazil
- 2019 Yasmin Cristina Nunes (Thesis)
Chronic social defeat stress as a model of depression: Implication of glucocorticoids. Federal University of Sao Paulo, Brazil
- 2021 Rodrigo Orso (Dissertation)
Murine model of fragmented maternal care in childhood: Effects on anxiety-like behavior, memory and molecular mechanisms on the hypothalamus and prefrontal cortex. Pontifical Catholic University of Rio Grande do Sul, Brazil
- 2021 Beatriz Déo Sorigotto (MS Qualifying Exam)
Antagonism of type 1 corticotropin-releasing factor receptor (CRFR1) was able to block reinstatement, but not expression, of ethanol-induced conditioned place preference in a sex-dependent manner.
Federal University of Sao Paulo, Brazil
- 2022 Gabrielle Emily Boaventura Tavares (MS Qualifying Exam)
Evaluation of basolateral amygdala and its cortical connections in the reinstatement of context-inducing ethanol seeking.
Federal University of Sao Paulo, Brazil
- 2022 Beatriz Déo Sorigotto (Thesis)
Effect of a type I corticotropin-releasing factor receptor (CRFR1) antagonist on the phases of the conditioned place preference induced by alcohol on male and female mice. Federal University of Sao Paulo, Brazil
- 2022 Gleice Kelli Ribeiro da Silva Cardoso (Dissertation)
Cannabidiol in a preclinical model of neuropathic pain: an assessment of sensory, emotional, and inflammatory aspects related to the modulation of pain sensitivity. University of Sao Paulo, Brazil

RESEARCH AND SCHOLARSHIP

Grants and Contracts:

Funded

2002-2004	FAPESP, Brazil	\$14,182 BRL (\$3,833 USD conversion 11/01/2018)
	Title: A new approach to elevated plus-maze as a model of fear and anxiety. Role: Undergraduate fellow; PI: Marcus L. Brandao. Period of support: 10/01/2002 – 06/30/2004	
2004-2006	CAPES, Brazil	\$35,553 BRL (\$9,609 USD conversion 11/01/2018)
	Title: Serotonergic modulation of exploratory behavior in rats submitted to the elevated plus-maze test. Role: Predoctoral fellow; PI: Marcus L. Brandao. Period of support: 09/01/2004 – 08/31/2006	
2006-2010	CNPq, Brazil	\$123,251 BRL (\$33,311 USD conversion 11/01/2018)
	Title: Hormonal, cognitive and neuroanatomical factors associated with the exploratory behavior of rats submitted to the elevated plus-maze test. Role: Predoctoral fellow; PI: Marcus L. Brandao. Period of support: 09/01/2006 – 08/31/2010	
2011-2012	CNPq, Brazil	\$107,866 BRL (\$29,153 USD conversion 11/01/2018)
	Title: Role of dopaminergic mechanisms in the nucleus accumbens on the expression of conditioned fear in rats. Role: Postdoctoral fellow; PI: Marcus L. Brandao. Period of support: 01/01/2011 – 12/31/2012	
2013-2015	Science without Borders, Brazil	\$61,760
	Title: Evaluation of ventral tegmental area CRF mechanisms in stress-induced escalation of cocaine and alcohol intake in rodents. Role: Postdoctoral fellow; PI: Klaus A. Miczek. Period of support: 01/01/2013 – 03/31/2015	
2015-2018	Science without Borders, Brazil	\$428,911 BRL (\$115,922 USD conversion 11/01/2018)
	Title: Social defeat stress, CRF receptors type 1 and 2, defensive strategies and alcohol consumption in mice. Role: PI. Period of support: 04/01/2015 – 01/31/2018	
	<i>*Highly competitive grant designed to attract and stimulate the fixation of outstanding junior researchers living abroad</i>	
2018-2021	Cohen Veterans Bioscience	\$251,767
	Title: Alcohol-PTSD comorbidity: Preclinical studies of models and mechanisms. Role: Co-I. PI: Nicholas W. Gilpin. Period of support: 10/01/2018 – 02/28/2021	

Pending Funding

Recent non-funded applications

2019	NIAAA Research Supplement for R01AA023305	\$65,508
	Title: Role of the neuropeptides in stress-induced escalation of alcohol drinking. Role: Co-I; PI: Nicholas W. Gilpin.	
2020	NARSAD Young Investigator	\$70,000
	Title: The corticotropin-releasing factor binding protein as a therapeutic target for stress-induced escalation of alcohol drinking. Role: PI.	
2020	CCTS Translational Research Deep South Mentored Career Development Program (KL2)	\$152,750
	Title: Translational biomarkers for traumatic stress & alcohol use disorders. Role: PI.	

- 2020 NIAAA Research Supplement for R01AA023305 \$264,624
Title: The corticotropin-releasing factor binding protein as a target for stress-induced escalation of alcohol drinking. Role: Co-I; PI: Nicholas W. Gilpin.
- 2021 NIH Exploratory/Developmental Research Grant Award (R21) \$275,000
Title: Validation of a rat model of crack-cocaine addiction in humans. Role: PI; Co-PI: Nicholas W. Gilpin.

Journal Publications (Refereed)[†]:

- 2005 **Albrechet-Souza L**, Oliveira AR, De Luca MCZ, Tomazini FM, Santos NR, Brandao ML. A comparative study with two types of elevated plus-maze (transparent vs. opaque walls) on the anxiolytic effects of midazolam, one-trial tolerance and fear-induced analgesia. *Progress of Neuropsychopharmacology and Biological Psychiatry* 29: 571-9.
- 2005 Brandao ML, Borelli KG, Nobre MJ, Santos JM, **Albrechet-Souza L**, Oliveira AR, Martinez RC. Gabaergic regulation of the neural organization of fear in the midbrain tectum. *Neuroscience and Biobehavioral Reviews* 29: 1299-311.
- 2005 Carvalho MC, **Albrechet-Souza L**, Masson S, Brandao ML. Changes in the biogenic amine content of the prefrontal cortex, amygdala, dorsal hippocampus, and nucleus accumbens of rats submitted to single and repeated sessions of the elevated plus-maze test. *Brazilian Journal of Medical and Biological Research* 38: 1857-66.
- 2006 Tomazini FM, Reimer AE, **Albrechet-Souza L**, Brandao ML. Opposite effects of short- and long-duration isolation on ultrasonic vocalization, startle and prepulse inhibition in rats. *Journal of Neuroscience Methods* 153: 114-20.
- 2007 Macedo CE, Martinez RC, **Albrechet-Souza L**, Molina VA, Brandao ML. 5-HT₂ and D1-mechanisms of the basolateral nucleus of the amygdala enhance conditioned fear and impair unconditioned fear. *Behavioural Brain Research* 177: 100-8.
- 2007 **Albrechet-Souza L**, Rodrigues Franci C, Brandao ML. Increases in plasma corticosterone and stretched-attend postures in rats naive and previously exposed to the elevated plus-maze are sensitive to the anxiolytic-like effects of midazolam. *Hormones and Behavior* 52: 267-73.
- 2008 **Albrechet-Souza L**, Borelli KG, Brandao ML. Activity in the medial prefrontal cortex and amygdala underlies one-trial tolerance of rats in the elevated plus-maze. *Journal of Neuroscience Methods* 169: 109-18.
- 2009 Almada RC, Borelli KG, **Albrechet-Souza L**, Brandao ML. Serotonergic mechanisms of the median raphe nucleus-dorsal hippocampus in conditioned fear: Output circuit involves the prefrontal cortex and amygdala. *Behavioural Brain Research* 203: 279-87.
- 2009 **Albrechet-Souza L**, Borelli KG, Carvalho MC, Brandao ML. The anterior cingulate cortex is a target structure for the anxiolytic-like effects of benzodiazepines assessed by repeated exposure to the elevated plus-maze and Fos immunoreactivity. *Neuroscience* 164: 387-97.

- 2010 **Albrechet-Souza L**, Brandao ML. Hormonal and cognitive factors associated with the exploratory behavior of rats submitted to repeated sessions of the elevated plus-maze. *Psychology & Neuroscience* 3: 43-52.
- 2011 **Albrechet-Souza L**, Borelli KG, Almada RC, Brandao ML. Midazolam reduces the selective activation of the rhinal cortex by contextual fear stimuli. *Behavioural Brain Research* 216: 631-8.
- 2012 Reis FMC, **Albrechet-Souza L**, Rodrigues Franci C, Brandao ML. Risk assessment behaviors associated with corticosterone trigger the defense reaction to social isolation in rats: role of the anterior cingulate cortex. *Stress (Luxembourg)* 15: 318-28.
- 2013 Almada RC, **Albrechet-Souza L**, Brandao ML. Further evidence for involvement of the dorsal hippocampus serotonergic and γ -aminobutyric acid (GABA)ergic pathways in the expression of contextual fear conditioning in rats. *Journal of Psychopharmacology (Oxford)* 27: 1160-8.
- 2013 Borelli KG, **Albrechet-Souza L**, Fedoce AG, Fabri DS, Resstel LB, Brandao ML. Conditioned fear is modulated by CRF mechanisms in the periaqueductal gray columns. *Hormones and Behavior* 63: 791-9.
- 2013 **Albrechet-Souza L**, Carvalho MC, Brandao ML. D1-like receptors in the nucleus accumbens shell regulate the expression of contextual fear conditioning and activity of the anterior cingulate cortex in rats. *International Journal of Neuropsychopharmacology* 16: 1045-57.
- 2014 Boyson CO, Holly EN, Shimamoto A, **Albrechet-Souza L**, Weiner LA, Debold JF, Miczek KA. Social stress and CRF-dopamine interactions in the VTA: Role in long-term escalation of cocaine self-administration. *The Journal of Neuroscience* 34: 6659-67.
- 2014 Han X, **Albrechet-Souza L**, Doyle MR, Shimamoto A, DeBold JF, Miczek KA. Social stress and escalated drug self-administration in mice II. Cocaine and dopamine in the nucleus accumbens. *Psychopharmacology (Berlin)* 232: 1003-10.
- 2015 **Albrechet-Souza L**, Hwa LS, Han X, Zhang EY, DeBold JF, Miczek KA. Corticotropin releasing factor binding protein and CRF 2 receptors in the ventral tegmental area: Modulation of ethanol binge drinking in C57BL/6J mice. *Alcoholism, Clinical and Experimental Research* 39: 1609-18.
- 2017 Fortes PM, **Albrechet-Souza L**, Vasconcelos M, Ascoli BM, De Almeida RMM. Social instigation and repeated aggressive confrontations in male Swiss mice: Analysis of plasma corticosterone, CRF and BDNF levels in limbic brain areas. *Trends in Psychiatry and Psychotherapy* 39: 98-105.
- 2017 Stein DJ, Vasconcelos M, **Albrechet-Souza L**, Ceresér KMM, De Almeida RMM. Microglial overactivation by social defeat stress contributes to anxiety- and depressive-like behaviors. *Frontiers in Behavioral Neuroscience* 11: 207.
- 2017 **Albrechet-Souza L**, Viola TW, Grassi-Oliveira R, Miczek KA, De Almeida RMM. Corticotropin releasing factor in the bed nucleus of the stria terminalis in socially defeated and non-stressed mice with a history of chronic alcohol intake. *Frontiers in Pharmacology* 8: 762.

- 2018 Newman EL, **Albrechet-Souza L**, Andrew PM, Auld JG, Burk KC, Hwa LS, Zhang EY, Debold JF, Miczek KA. Persistent escalation of alcohol consumption by mice exposed to brief episodes of social defeat stress: suppression by CRF-R1 antagonism. *Psychopharmacology (Berlin)* 235: 1807-20.
- 2019 Vasconcelos M, Stein DJ, **Albrechet-Souza L**, Miczek KA, De Almeida RMM. Recovery of stress-impaired social behavior by an antagonist of the CRF binding protein, CRF6-33, in the bed nucleus of the stria terminalis of male rats. *Behavioural Brain Research* 357–358: 104-10.
- 2019 Viola TW, Wearick-Silva LE, Creutzberg KC, Kestering E, Orso R, Centeno-Silva A, **Albrechet-Souza L**, Marshall PR, Li X, Bredy TW, Riva MA, Grassi-Oliveira R. Postnatal impoverished housing impairs adolescent risk-assessment and increases risk-taking: A sex-specific effect associated with histone epigenetic regulation of Crfr1 in the medial prefrontal cortex. *Psychoneuroendocrinology* 99: 8-19.
- 2019 Vasconcelos M, Stein DJ, Gallas-Lopes M, Landau L, Behrens L, **Albrechet-Souza L**, Miczek KA, De Almeida RMM. Role of CRF receptor 1 antagonism in the bed nucleus of the stria terminalis of male rats after intermittent social defeat stress. *BioRxiv* 784488 [Preprint].
- 2019 **Albrechet-Souza L**, Gilpin NW. The predator odor avoidance model of post-traumatic stress disorder in rats. *Behavioural Pharmacology* 30: 105-14.
- 2020 **Albrechet-Souza L**, Schratz CL, Gilpin NW. Sex differences in traumatic stress reactivity in rats with and without a history of alcohol drinking. *Biology of Sex Differences* 11: 27.
- 2020 Creutzberg KC, Kestering-Ferreira E, Viola TW, Wearick-Silva LE, Orso R, Heberle BA, **Albrechet-Souza L**, De Almeida RMM, Grassi-Oliveira R. Corticotropin-releasing factor infusion in the bed nucleus of the stria terminalis of lactating mice alters maternal care and induces behavioural phenotypes in offspring. *Scientific Reports* 10: 19985.
- 2021 Bielawski T, **Albrechet-Souza L**, Frydecka D. Endocannabinoid system in trauma and psychosis: Distant guardian of mental stability. *Reviews in the Neurosciences* (online ahead of print).
- 2021 Souza-Smith FM, **Albrechet-Souza L**, Avegno EM, Ball CD, Ferguson TF, Harrison-Bernard LM, Molina PE. Perspectives against racism: Educational and socialization efforts at the departmental level. *Advances in Physiology Education* 45: 720-9.
- 2021 **Albrechet-Souza L**, Nastase AS, Hill MN, Gilpin NW. Amygdalar endocannabinoids are affected by predator odor stress in a sex-specific manner and modulate acoustic startle reactivity in female rats. *Neurobiology of Stress* 15: 100387.

† Total Citations: 1168 (h-index=20; i10-index = 24). Citation count provided by Google Scholar as of February 2022.

Book Chapters:

- 2012 **Albrechet-Souza L**, Borelli KG, Brandao ML. Involvement of the hypothalamic-pituitary-adrenal axis in threat detection behaviors. In: Cruz-Morales SE, Pedro Arriaga-Ramírez JC (Org). *Behavioral Animal Models*. Kerala: Research Signpost 89-103.

Scientific Presentations (poster):

National

- 2007 Society for Neuroscience Meeting. San Diego, CA
2011 Society for Neuroscience Meeting. Washington, DC
2014 Society for Neuroscience Meeting. Washington, DC
2018 Great New Orleans Society for Neuroscience (GNOSN) Annual Retreat. New Orleans, LA
2019 International Cannabinoid Research Society Symposium on the Cannabinoids. Bethesda, MD
2019 Gordon Research Conference (GRC): Amygdala Function in Emotion, Cognition and Disease. Easton, MA
2019 National Hispanic Science Network (NHSN) Conference: Life Adversities and Risk for Chronic Disease. New Orleans, LA
2019 Great New Orleans Society for Neuroscience (GNOSN) Annual Retreat. New Orleans, LA
2020 Gordon Research Seminar (GRS): Alcohol and the Nervous System. Galveston, TX
2020 Gordon Research Conference (GRC): Alcohol and the Nervous System. Galveston, TX
2020 National Hispanic Science Network (NHSN) Conference: The Legacy and Future Impact of Substance Abuse Research. Virtual Conference.
2022 Gordon Research Conference (GRC): Alcohol and the Nervous System. Oxnard, CA

International

- 2003 Brazilian Physiological Society & Latin American Association of Physiological Sciences Meeting. Ribeirao Preto, Brazil
2003 International Symposium of Undergraduate Research. Ribeirao Preto, Brazil
2004 Brazilian Society for the Progress of Science Meeting. Cuiaba, Brazil
2006-2010 Psychobiology Program Meeting. Ribeirao Preto, Brazil
2006 Brazilian Federation of Experimental Biology Societies Meeting. Aguas de Lindoia, Brazil
2006 Brazilian Physiological Society & The Physiological Society Meeting. Ribeirao Preto, Brazil

2007	International Behavioral Neuroscience Society Meeting. Rio de Janeiro, Brazil
2008	Congress IBRO/LARC of Neurosciences in the Latin America, Caribbean and Iberian Peninsula. Buzios, Brazil
2008	NEWroscience 2008: Contemporary Neurosciences, Epilepsies and the Arts. Ribeirao Preto, Brazil
2009	International Behavioral Neuroscience Society Meeting. Nassau, The Bahamas
2010	International Behavioral Neuroscience Society Meeting. Sardinia, Italy
2011	Forum of Stress Neurobiology. Araraquara, Brazil
2012	Forum of Neuroscience. Barcelona, Spain
2012	Forum of Stress Neurobiology. Florianopolis, Brazil
2017	Brazilian Society of Neuroscience and Behavior Meeting. Araraquara, Brazil
2018	Stress Neurobiology Workshop. Banff, Canada
2020	XII Forum on Neurobiology of Stress & International Symposium on Ethanol Research. Virtual Conference.

Invited Presentations and Seminars:

2012	Animal models of fear and anxiety. Ethology Society Meeting & Latin-American Symposium of Ethology. Ribeirao Preto, Brazil
2015	CRF binding protein and CRF2 receptors in the VTA: Modulation of ethanol binge drinking in C57BL/6J mice. Brazilian Institute of Neuropsychology and Behavior Meeting. Gramado, Brazil
2017	The role of BNST CRF mechanisms in voluntary alcohol consumption in mice previously defeated in the resident-intruder paradigm. Workshop in Reward and Stress. Sao Paulo, Brazil
2017	The role of BNST CRF receptors on alcohol consumption in mice. Brazilian Society of Neuroscience and Behavior Meeting. Araraquara, Brazil
2018	The predator odor model of PTSD in rats. Fresno State, Fresno-CA
2019	Predator odor stress: A rodent model to study PTSD and alcohol use disorders. University of Sao Paulo, Brazil (videoconference).
2019	Sexually dimorphic behavioral and endocannabinoid responses to predator odor stress. National Hispanic Science Network (NHSN) Conference, Neuroscience Datablitz. New Orleans-LA
2020	Sex differences in arousal and endocannabinoids expression in the amygdala after exposure to predator odor stress. Psychobiology Program Meeting, University of Sao Paulo, Brazil (videoconference).

- 2020 Exposure to predator odor stress induces differential startle reactivity and endocannabinoids expression in the amygdala of male and female rats with a history of alcohol drinking. XII Forum on Neurobiology of Stress & International Symposium on Ethanol Research. Brazil (videoconference).
- 2021 Predator odor stress alters startle reactivity and amygdalar endocannabinoid expression in male and female rats: Could alcohol make the difference? Research Society on Alcoholism (RSA) Annual Meeting (videoconference).
- 2021 Consequences of social defeat stress in rodents. 11th Annual Meeting of the Brazilian Institute of Neuropsychology and Behavior (IBNeC) & 1st National Forum of Academic Leagues of Neuroscience (videoconference).
- 2022 Posttraumatic stress disorder and alcohol abuse: Sex differences and neural substrate. 3rd Brain On & 11th National Brain Week, São Paulo State University-Assis, Brazil (videoconference).
- 2022 Sex differences in startle reactivity and endocannabinoids expression in the amygdala after exposure to predator odor stress. II Virtual Meeting of the Latin America Society for Biomedical Research on Alcoholism (LASBRA).

Editorial Posts and Activities:

Editorial Roles

- 2021-2022 Guest Associate Editor: *Frontiers in Behavioral Neuroscience*, section Pathological Conditions, Research Topic: Polysubstance Abuse and Cognitive Dysfunction.
- 2021-2022 Guest Associate Editor: *Frontiers in Behavioral Neuroscience*, section Motivation and Reward, Research Topic: Neurobiology of the Limbic System in Drug Addiction.
- 2022 Guest Associate Editor: *Frontiers in Psychiatry*, section Anxiety and Stress Disorders, Research Topic: Animals Models of Panic Disorders.
- 2022-Present Review Editor: *Frontiers in Pharmacology - Neuropharmacology*

Reviewer

Ad hoc Reviewer: Behavioural Brain Research (24), Psychopharmacology (14), Neuropharmacology (8), Journal of Psychiatric Research (6), Neurobiology of Stress (4), Psychoneuroendocrinology (1), Journal of Neurochemistry (1), Journal of Affective Disorders (2), Brain, Behavior and Immunity (1), Journal of Neurophysiology (2), Alcohol (2), Drug and Alcohol Dependence (1), Physiology & Behavior (1), Behavioural Pharmacology (2), Neuroscience Letters (8), Frontiers in Behavioral Neuroscience (1), Frontiers in Neuroscience (1), Acta Neuropsychiatrica (2), Nutrire (2), Psychology & Neuroscience (1), Brain Stimulation (1)

Contributed Reviewer with Supervisor: Neuropsychopharmacology (10), Neurobiology of Stress (3), Journal of Neuroscience (3), Biological Psychiatry (2), Neuropharmacology (2), International Journal of Neuropsychopharmacology (1), Scientific Reports (1), Psychopharmacology (1), Genes, Brain and Behavior (1), Progress in Neuro-Psychopharmacology & Biological Psychiatry (1), Behavioural Pharmacology (1), Frontiers in Neurology (1), Journal of Neuroendocrinology (1), Alcoholism: Clinical and Experimental Research (1)

SERVICE ACTIVITIES

University/Institutional Services:

Departmental committees

2018 Planning committee of the 10th Alcohol & Drug Abuse Center of Excellence (ADACE) Retreat: Focus on Veteran Health. LSUHSC, New Orleans-LA

School committees

2019-Present Member of the Multicultural and Diversity Affairs Committee, School of Medicine LSUHSC-New Orleans

Special assignments

2019 Participant at Peer Advocate Liaison Program (PAL) - Students Resources Fair, LSUHSC, New Orleans-LA

2019 Poster judge at Graduate Research Day, School of Medicine LSUHSC-New Orleans

National Service:

2019-2021 Planning committee of the National Hispanic Science Network Annual Meeting

2019 Chair of the panel 'Co-occurring alcohol use disorder and post-traumatic stress: vulnerability and therapeutic strategies'. Co-chairs: Luis Natividad (UT-Austin) and Judith Arroyo (NIAAA). National Hispanic Science Network (NHSN) Conference, New Orleans-LA

2020 Poster judge at the National Hispanic Science Network (NHSN) Annual Conference

2021 Chair, speaker and moderator of the symposium 'Current preclinical approaches used to investigate stress vulnerability and alcohol use disorder'. Co-chair: Klaus Miczek (Tufts University). Research Society on Alcoholism (RSA) Annual Meeting (videoconference)

2021 Planning committee of the Inaugural Carol Ashton D'Angelo Workshop on Mental Health Neuroscience, LSU Health Sciences Center, New Orleans-LA

2022 Poster judge at the LSU Health Sciences Center Medical Student Research Symposium

International Service:

2004-2007 Poster judge at the International Symposium of Undergraduate Research, University of Sao Paulo, Brazil

2007-2008 Planning committee of the Psychobiology Summer School, University of Sao Paulo, Brazil

2009/2012 Poster judge at Psychobiology Program Meeting, University of Sao Paulo, Brazil

2010-2011 Poster judge at Undergraduate Forum on Psychotropic Drugs, University of Sao Paulo, Brazil

- 2012 Planning committee of the Psychobiology Program & Institute of Neuroscience and Behavior Meeting, University of Sao Paulo, Brazil
- 2012/2016 Planning committee of the Symposium of Serotonin in Anxiety and Depression, University of Sao Paulo, Brazil
- 2020 Judge at the BioRender Graphical Abstract Contest

Community Service Activities:

- 2008 Dental and Medical Care Volunteer Program
The program 'Voluntarios do Sertao' brings a variety of healthcare services to poor regions in Brazil. For one week, I worked in the pharmacy distributing medication to low-income residents (<https://voluntariosdosertao.com.br/>)
- 2019 Participant at LSUHSC Alcohol-HIV/AIDS Research Center in the Chevron Walk to End HIV, New Orleans-LA
- 2019 Participant at the Walk to Fight Suicide sponsored by the American Foundation for Suicide Prevention (AFSP), New Orleans-LA