

## CURRICULUM VITAE

**Juliana Nery de Souza-Talarico, BSN, RN, MSN, PhD**  
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### EDUCATION

- 2013 Postdoctoral, Psychobiology, Federal University of Sao Paulo, Brazil
- 2011 Postdoctoral stage, Universite de Montreal, Canada.
- 2009 PhD, Nursing, University of Sao Paulo, Brazil, internship at McGill University, Canada.
- 2005 MSN, Nursing, University of Sao Paulo, Brazil
- 2003 BSN, Nursing, University of Sao Paulo, Brazil

**PhD Dissertation:** Effect of cortisol levels on memory performance in patients with mild cognitive impairment and Alzheimer's Disease.

### LICENSURE

- 2020-present RN, Iowa Board of Nursing # 160125
- 2004-2020 RN, Sao Paulo, Board of Nursing, # 116132

### PROFESSIONAL EXPERIENCE

#### Academic Appointments

- 2020 – present Associate Professor, University of Iowa, College of Nursing, Iowa City, IA
- 2019 – 2020 Associate Professor, University of Sao Paulo, School of Nursing, Brazil
- 2010 – 2020 Assistant Professor, University of Sao Paulo, School of Nursing, Brazil

#### Clinical Appointments

- 2004 – 2005 Registered Nurse, Intensive Care Unit, University Hospital of Sao Paulo, Brazil
- 2005 – 2007 Registered Nurse, Health Care Unit, University of Sao Paulo, Brazil

### HONORS AND AWARDS

- 2018 Travel Fellowship Award, Alzheimer's Association (USA)
- 2016 Best oral presentation, Scientific Award, National Congress of Nurses (Brazil)
- 2016 Best multidisciplinary practice, Scientific Award, Brazilian Society of Hypertension
- 2012 Research Grant Award, NANDA - International Foundation (USA)
- 2012 Honorable Mention, Scientific Award, Brazilian Institute of Neuropsychology and Behavior
- 2010 Best oral presentation, Scientific Award, Faculty of Medicine of Jundiaí (Brazil)

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\*data-based, **bold** = my authorship; underline = developed during the review period (9/1/20-8/31/21)

- 2010 Honorable Mention, Scientific Award, Faculty of Medicine of Jundiaí (Brazil)  
2010 Professor honored, Faculty of Medicine of Jundiaí (Brazil)

## SCHOLARSHIP

### Publications

#### Journal articles (Key: \*-data-based, underline-students, <sup>1</sup>-senior author)

1. \***Souza-Talarico JN**, Bromberg E, Santos JLF, Freitas BS, Silva DF, Duarte YAO. Family and Community Support, Brain-Derived Neurotrophic Factor, and Cognitive Performance in Older Adults: Findings From the Health, Wellbeing and Aging Study Population-Based Cohort. *Front Behav Neurosci.* 2021;15:717-847
2. \***Souza-Talarico JN**, Santos S, Trevisan Zanetta DM, Marcourakis T, de Paula Santos U. Association between awakening cortisol levels and cardiovascular performance in sugarcane rural workers. *Stress Health.* 2021, Epub, ahead of print
3. \*de Souza TPB, Kurebayashi LFS, **de Souza-Talarico JN**, Turrini RNT. The effectiveness of Chair Massage on Stress and Pain in Oncology. *Int J Ther Massage Bodywork.* 2021;14(3):27-38.
4. \***Souza-Talarico JN**, Silva FC, Maia FOM, Garcia P, Matos TM, Nascimento TS, Cardoso D, Sichieri K. Screening and detection of delirium in an adult critical care setting: a best practice implementation project. *International Journal of Evidence-Based Health* 2021 (Epub).
5. \***Souza-Talarico JN**, Suemoto CK, Santos I, Griep R, Yamaguti STF, Lotufo P, Bensenõr I. Work-related stress and cognitive performance among middle-aged adults: the Brazilian Longitudinal Study of Adult Health (ELSA-Brasil). *Stress & Health* 2020; 36:19-30.
6. \***Souza-Talarico JN**, Alves AR, Brucki SMD, Nitrini R, Lupien SJ, Suhecki D. Cortisol reactivity to a psychosocial stressor significantly increases the risk of developing Cognitive Impairment no Dementia five years later. *Psychoneuroendocrinology* 2020; 115: 104601.
7. Barbosa BJAP, **Souza-Talarico JN**, Nitrini R, Brucki SMD. Reader response: Circulating cortisol and cognitive and structural brain measures: The Framingham Heart Study. *Neurology* 2019; 93:685.
8. Nascimento JOV, Santos J, Meira KC, Pierin AMG, \***Souza-Talarico JN**. Shift work of nursing professionals and blood pressure, burnout and common mental disorders. *Revista da Escola de Enfermagem da USP* 2019; 53, p. e03443.
9. Matos TM, **Souza-Talarico JN**. How stress mediators can cumulatively contribute to Alzheimer's disease: an allostatic load approach. *Dementia & Neuropsychologia.* 2019; 13:11-21.
10. Santos AT, Leyendecker DMD, Costa ALSC, \***Souza-Talarico JN**. Relationship between cortisol reactivity to psychosocial stress and declarative memory decline during aging: impact of age and sex. *Geriatric & Gerontology International* 2018; 18:169-176.
11. Oliveira MM, Mota DDCF, \***Souza-Talarico JN**. Pre-operative fatigue in cancer patients: prevalence and associated factors. *Revista Eletrônica de Enfermagem*, 2018; 20: v20a17.

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\*data-based, **bold** = my authorship; underline = developed during the review period (9/1/20-8/31/21)

12. Esplendori GF, Costa ALS, \***Souza-Talarico JN**. Relationship between perceived stress with coping and with stressors of patients in preoperative myocardial revascularization. *Aquichan* 2018; 18:43-55.
13. \***Souza-Talarico JN**, Marcourakis T, Barbosa F, Barros SBM, Rivelli DP, Pompéia S, Caramelli P, Plusquellec P, Lupien, SJ, Catucci RF, Alves AR, Suchecki D. Association between heavy metal exposure and poor working memory and possible mediation effect of antioxidant defenses during aging. *Science of The Total Environment* 2017; 575:750-757.
14. \***Souza-Talarico JN**, Suchecki D, Juster RP, Plusquellec P, Barbosa Junior F, Bunscheit V, Marcourakis T, De Matos TM, Lupien SJ. Lead exposure is related to hypercortisolemic profiles and allostatic load in Brazilian older adults. *Environmental Research* 2017; 154: 261-268.
15. **Souza-Talarico JN**, Benavente SBT, Alves AR, Maia FOM, Costa ALS. Association between perceived psychological stress and cognitive decline in aging: a systematic review protocol. *The JBI Database of Systematic Reviews and Implementation Reports* 2017; 5: 220-229.
16. Takeda JRT, Matos TM, \***Souza-Talarico JN**. Cardiovascular risk factors and cognitive performance in aging. *Dementia & Neuropsychologia*, 2017;11, 442-448.
17. \***Souza-Talarico JN**, Carvalho AP, Brucki SMD, Nitrini R, Ferreti-Rebustini REL. Dementia and Cognitive Impairment Prevalence and Associated Factors in Indigenous Populations: A Systematic Review. *Alzheimer's Disease and Associated Disorders* 2016; 30(3):281-287.
18. \***Souza-Talarico JN**, Santos S, Fialho PPA, Wan N, Chaves EC, Bianchi E, Caramelli P, Santos AT, Lupien SJ. Cross-country discrepancies on public understanding of stress concepts: evidence for stress-management psychoeducational programs. *BMC Psychiatry* 2016; 3:16:181.
19. Oliveira M, Oliveira G, **Souza-Talarico JN**, Mota DDCF. Surgical Oncology: Evolution of Postoperative Fatigue and Factors Related to Its Severity. *Clinical Journal of Oncology Nursing* 2016; 20(1):E3-8.
20. Yamaguti STF, Mendonça ARB, Coelho D, Machado AL, \***Souza-Talarico JN**. Atypical secretion of cortisol in Nursing professionals." *Revista da Escola de Enfermagem da USP* 2015; 49:109-116.
21. \***Souza-Talarico JN**, Plusquellec P, Lupien SJ, Fiocco AJ, Suchecki D. Cross-country differences in basal and stress-induced cortisol secretion in older adults. *Plos One* 2014;9(8).
22. Santos AT, Leyendecker DD, Costa ALS, \***Souza-Talarico JN**. Subjective memory complaint in healthy elderly: influence of depressive symptoms, perceived stress and self-esteem. *Revista da Escola de Enfermagem da USP* 2012; 46:24-9.
23. Mussi TVF, Traldi MC, \***Souza-Talarico JN**. Knowledge as a factor of vulnerability to tuberculosis among nursing students and professionals." *Revista da Escola de Enfermagem da USP* 2012; 46(3):696-703.
24. Torres LH, Quaglio NB, Souza GT, Garcia RC, Dati LMM, Moreira WL, Loureiro APM, \***Souza-Talarico JN**, Smid J, Porto CS, Bottino CM, Nitrini, R, Barros SBM, Camarini R, Marcourakis T. Peripheral oxidative stress biomarkers in mild cognitive impairment and Alzheimer's disease. *Journal of Alzheimer's Disease* 2011; 26:59-68.

25. **Souza-Talarico JN**, Marin MF, Sindi S, Lupien SJ. Effects of stress hormones on the brain and cognition: evidence from normal to pathological aging. *Dementia & neuropsychologia* 2011; 5:8-16.
26. \***Souza-Talarico JN**, Chaves EC, Lupien SJ, Nitrini R, Caramelli P. Relationship between cortisol levels and memory performance may be modulated by the presence or absence of cognitive impairment: evidence from healthy elderly, mild cognitive impairment and Alzheimer's disease subjects. *Journal of Alzheimer's disease* 2010; 19:839-848.
27. \***Souza-Talarico JN**, Chaves EC, Nitrini R, Caramelli P. Chronic stress is associated with high cortisol levels and emotional coping mechanisms in amnesic mild cognitive impairment. *Dementia Geriatric and Cognitive Disorders* 2009; 28: 465-470.
28. \***Souza-Talarico JN**, Caramelli P, Nitrini R, Chaves EC. Stress symptoms and coping strategies in healthy elderly subjects. *Revista da Escola de Enfermagem da USP* 2009; 43(4):801-807.
29. Carthery-Goulart MT, Anghinah R, Areza-Fegyveres R, Bahia VS, Brucki SMD, Damin A, Formigoni AP, Frota N, Guariglia C, Jacinto AF, Kato EM, Lima EP, Mansur LL, Moreira D, Nobrega AB, Porto CS, Senah MLH, Silva, MNM, Smid J, Radanovic M, \***Souza-Talarico JN**, Nitrini R. Performance of a Brazilian population on the test of functional healthy literacy in adults. *Revista de Saude Publica* 2009; 43(4):631-638.
30. \***Souza-Talarico JN**, Caramelli P, Nitrini R, Chaves EC. Effect of cortisol levels on working memory performance in elderly subjects with Alzheimer's disease. *Arquivos de Neuropsiquiatria* 2008; 66(3-B):619-623.
31. \***Souza-Talarico JN**, Chaves EC, Nitrini R, Caramelli P. Stress and coping in elderly with Alzheimer's disease. *Journal of Clinical Nursing* 2008; 18:457-465.
32. \***Souza-Talarico JN**, Chaves EC, Caramelli P. Coping in aged people with Alzheimer's disease. *Revista Latino Americana de Enfermagem* 2007; 15(1): 93-99.
33. \***Souza-Talarico JN**, Caramelli P, Nitrini R, Chaves EC. The influence of schooling on working memory performance in elderly individuals without cognitive decline. *Dementia & Neuropsychologia* 2007; 1:276-281.
34. \***Souza-Talarico JN**, Bertolozzi MR. The vulnerability of nursing workers to tuberculosis in a teaching hospital. *Revista Latino Americana de Enfermagem* 2007; 15(2):259-266.
35. \***Souza JN**, Chaves EC. The effect of memory stimulation exercise in healthy elderly subjects. *Revista da Escola de Enfermagem da USP* 2005; 39(1):13-19.

### **Books/book chapters, monographs, edited symposia**

1. Souza-Talarico JN. Nursing care for the patient with dementia in the hospital context. In: Duarte, YAO, Vattimo, MFF, Sichieri K. *Nursing in Adult and Elderly Health*. Editora Atheneu, 2018 (in press).
2. Souza-Talarico JN, Alves, AR, Coelho DP. Stress and cognitive impairment in the elderly. In: *Dementias*: Brucki, SMD, Magaldi, RM, Morillo, LS, Carvalho, I, Perroco, TR, Bottino CMC, Jacob

Filho, W, Nitrini, R. Multidisciplinary Approach - From Pathophysiological Bases to Diagnosis and Treatment, 2ª Edição. Editora Atheneu, 2018 (in press).

3. Nogueira L, Gengo e Silva RC; Lopes JL, Souza-Talarico, JN. Laboratory tests: hormonal evaluation. In: Lopes JL, Silva RCG. (Org.). Interpretation of laboratory tests. 1ed. Rio de Janeiro: Águia Dourada, 2015, 154-173.
4. Juster RP, Seeman T, McEwen BS, Picard M, Mahar I, Mechawar N, Sindi S, Smith NG, Souza-Talarico JN, Sarnyai Z, Lanoix D, Plusquellec P, Ouellet-Morin I, Lupien SJ. Social Inequalities and the Road to Allostatic Load: From Vulnerability to Resilience? In: Dante Cicchetti. (Org.). Developmental Psychopathology: Risk, Resilience, and Intervention. 3ed. New Jersey: Wiley, 2016, v. 4, p. 381-434.
5. Ferreti-Rebustini REL, Souza-Talarico JN, Rebustini F, Balbinotti MAA. Evaluation and non-pharmacological management of elderly patients in advanced stages of Alzheimer's disease. In: Montiel JM; Martinelli JE, Bartholomeu D, Cecato JF. (Org.). Envelhecimento humano. 1ed. São Paulo: Memnon, 2016, v., p. 213-226.
6. Souza-Talarico JN, Ferreti-Rebustini REL. Stress and aging: neurobiological bases and harmful effects on the cognition of the elderly. In: Montiel JM; Martinelli JE; Bartholomeu D; Cecato JF. (Org.). Human Aging. 1ed. São Paulo: Memnon, 2016, v., p. 125-137.
7. Souza-Talarico, JN. Neurological disorders. In: Baird MS, Bethel S. (editors) Nursing Handbook in critical care: interventions and collaborative behaviors. Rio de Janeiro: Elsevier; 2012.

#### **Abstracts** (*published separately from a conference proceedings*)

1. **\*Souza-Talarico JN**, Carvalho AP, Brucki SMD, Nitrini R, Ferretti-Rebustini REL, LoGiudice D. The validation of the adapted Kimberley Indigenous Cognitive Assessment in a Brazilian indigenous community of older adults from Amazonas. In: Alzheimer's Association International Conference – 2020.
2. Barbosa BJAP, Jesus MCF, **\*Souza-Talarico JN**, Buchpiguel CA, Busatto-Filho G, Nitrini R, Oliveira MO, Brucki SMD. Cortisol levels and cognitive status in elderly subjects: preliminary results from the Brazilian aging and memory study. Alzheimer's Association International Conference – 2020.
3. **\*Souza-Talarico JN**, Alves, AR, Brucki SMD, Nitrini R. Stress-induced cortisol responsiveness predicts cognitive impairment no dementia during aging: a five years follow-up study. In: Alzheimer's disease and related disorders Meeting – 2019, Campinas, BR.
4. **\*Souza-Talarico JN**, Carvalho AP, Brucki SMD, Nitrini R. Cognitive impairment in Brazilian Amazonian indigenous. In: Alzheimer's disease and related disorders Meeting – 2019, Campinas, BR.
5. Brucki, SMD, Tuma R, Alvim, RP, Brito MH, **\*Souza-Talarico JN**, Buchpiguel, CA, Busatto Filho, G, Nitrini, R. Evaluation of metabolic profile and chronic stress biomarkers in a subset of individuals from the Brazilian Aging Memory Study: preliminary results and perspectives. In: Alzheimer's disease and related disorders Meeting – 2019, Campinas, BR

6. Souza, TPB, \***Souza-Talarico JN**, Kuba, G, Turrini, R. Awakening cortisol response and perceived stress decrease after a quick massage intervention in nursing professionals. In: International Society of Psychoneuroendocrinology Conference – 2019, Milan, Italy.
7. \***Souza-Talarico JN**, Carvalho AP, Brucki SMD, Nitrini R. Predictive value of the Stick Design Test in the screening of cognitive impairment among older adults from an Amazonian indigenous community. In: Symposium of the Alzheimer’s Association International Conference – 2019, São Paulo, BR.
8. \***Souza-Talarico JN**, Carvalho AP, Brucki SMD, Nitrini R. Incidence and related factors of cognitive impairment in Brazilian Amazonian indigenous community. In: Alzheimer’s Association International Conference – 2018, Chicago, IL.
9. Matos TM, Santos AT, \***Souza-Talarico JN**. Is the subjective cognitive decline an indirect measure of stress burden? A combined assessment of allostatic load, cortisol reactivity and perceived stress among older adults. In: 48th International Society of Psychoneuroendocrinology Conference 2018, Irvine, CA.
10. Alves AR, Brucki SMD, Nitrini R, Suchecki D, Lupien SJ, Plusquellec P, \***Souza-Talarico JN**. Increased cortisol reactivity predicts cognitive impairment not dementia during aging: a follow-up study. In: 48th International Society of Psychoneuroendocrinology Conference 2018, Irvine, CA.
11. \***Souza-Talarico JN**, Ferreti-Rebustini REL, Franco ME, Lacerda C, Suchecki D. High perceived stress, low cortisol awakening response and subjective memory complaint: a potential combination for an early sign of cognitive impairment. In: 2015 Alzheimer's Association International Conference, 2015, Washington (DC), USA.
12. Yamaguchi STF, Coelho D, Machado AL, Mendonça, ARB, \***Souza-Talarico JN**. High allostatic load and atypical diurnal cortisol secretion in nursing professional. In: 45th Annual Conference of the Society of Psychoneuroendocrinology 2015, Edimburg, Scotland.
13. \***Souza-Talarico JN**, Handa AY, Suchecki, D. Non-adherence to salivary cortisol sampling protocol is associated with low socioeconomic status and psychological factors in older adults. In: 45th Annual Conference of the Society of Psychoneuroendocrinology 2015, Edimburg, Scotland.
14. Silva JR, \***Souza-Talarico JN**. Sleep quality and cortisol concentrations during aging. In: 23o International Symposium of Scientific Initiation, 2015, São Paulo, BR.
15. Ferreti-Rebustini REL, Silva DV, \***Souza-Talarico JN**, Nitrini R. Determination of the Related Factors” for the Nursing Diagnosis “Chronic Confusion” By Brain Autopsy. In: Alzheimer's Association International Conference, 2015, Washington (DC), USA.
16. Handa AY, \***Souza-Talarico JN**. Influence of the socioeconomic level on the reliability of saliva samples for cortisol analysis in the elderly In: 22o International Symposium of Scientific Initiation, 2014, São Paulo, BR.
17. Santos, AT, Leyendecker D, \***Souza-Talarico JN**. Sex differences in basal and stress-induced cortisol levels, DHEAS and memory performance among older adults. In: 44th Annual ISPNE Conference, 2014, Montreal, CA.
18. \***Souza-Talarico JN**, Caramelli P Nitrini R, Chaves EC. Coping strategies may vary according working memory performance in elderly with Alzheimer's disease. In: Alzheimer's Association International Conference, 2011, Paris, France.

19. Marcourakis T, Quaglio NB, Torres LH, Tavares G, Garcia RC, Moreira WL, Camarini R, **\*Souza-Talarico JN**, Smid J, Porto CS, Nitrini R. Oxidative stress peripheral biomarkers in mild cognitive impairment and Alzheimer's disease. In: International Conference on Alzheimer's disease, 2010, Hawaii, USA.
20. **\*Souza-Talarico JN**, Chaves EC, Nitrini R, Caramelli P. Coping strategies may be modulated by working memory performance according to cognitive impairment status. VII Alzheimer's disease and cognitive disorders Meeting, 2009, Porto Alegre, BR.
21. Brucki SMD, Anghinah R, Areza-Fegyveres R, Bahia VS, Carthery-Goulart MT, Damin A, Formigoni AP, Frota N, Guariglia C, Jacinto AF, Kato EM, Lima EP, Mansur LL, MOREIRA D, Nobrega AB, Porto CS, Senah MLH, Silva, MNM, Smid J, Radanovic M, **\*Souza-Talarico JN**, Nitrini R. Test of functional healthy literacy in adults: short version (S-TOFHLA), schooling, and Mini-Mental State Examination. *Alzheimer's & Dementia*; 2008;4(supl 02):443. In: Internacional Conference on Alzheimer's disease, 2008, Chicago (IL), BR.
22. **\*Souza-Talarico JN**, Caramelli P, Nitrini R, Chaves EC. Cortisol levels and memory impairment in subjects with mild cognitive impairment and Alzheimer's disease. Internacional Conference on Alzheimer's disease, 2008, Chicago (IL), BR.
23. **\*Souza-Talarico JN**, Nitrini R, Chaves EC, Caramelli P. Salivary cortisol and memory impairment in subjects with mild cognitive impairment and Alzheimer's disease. VI Alzheimer's disease and cognitive disorders Meeting, 2007, Minas Gerais, BR.
24. Carthery-Goulart MT, Anghinah R, Areza-Fegyveres R, Bahia VS, Brucki SMD, Damin A, Formigoni AP, Frota N, Guariglia C, Jacinto AF, Kato EM, Lima EP, Mansur LL, MOREIRA D, Nobrega AB, Porto CS, Senah MLH, Silva, MNM, Smid J, Radanovic M, **\*Souza-Talarico JN**, Nitrini R. Performance of a Brazilian population on the test of functional healthy literacy in adults-short version (S-TOFHLA). VI Alzheimer's disease and cognitive disorders Meeting, 2007, Minas Gerais, BR.
25. Brucki SMD, Anghinah R, Areza-Fegyveres R, Bahia VS, Carthery-Goulart MT, Damin A, Formigoni AP, Frota N, Guariglia C, Jacinto AF, Kato EM, Lima EP, Mansur LL, Moreira D, Nobrega AB, Porto CS, Senah MLH, Silva, MNM, Smid J, Radanovic M, **\*Souza-Talarico JN**, Nitrini R. Functional healthy literacy in adults-short version (S-TOFHLA), schooling and mini-mental state examination (MMSE). Alzheimer's disease and cognitive disorders Meeting, 2007, Minas Gerais, BR.
26. **\*Souza JN**, Gonçalves LA, Kimura M. Analysis of research on quality of life assessment of disabled persons from a Proxy perspective. VII Course Completion Monographs Presentation - Escola de Enfermagem da Universidade de São Paulo, 2003, São Paulo, BR.
27. **\*Souza JN**, Chaves EC. Memory stimulation and performance among healthy elderly In: 10<sup>o</sup>. International Symposium of Scientific Initiation - USP, Ribeirão Preto, BR.

## Scientific and Educational Research Grants

### Intramural Research Grants

- 2020 – 2023 Cognitive decline among older adult residents in long-term care facilities during the COVID-19 pandemic. Role: PI.  
Funded by: The university of Iowa, College of Nursing, startup funding; US\$ 20,000
- 2019 - 2020 Stress mindset and cortisol concentration in mid-life. Role: PI.  
Funded by: University of São Paulo (USP) US\$ 4,800
- 2017 - 2018 Stress mindset and depression symptoms during aging. Role: PI.  
Funded by: University of São Paulo (USP) US\$ 4,800
- 2011 – 2012 Subjective decline of memory and stress neuroendocrine activity in healthy elders. Role: PI  
Funded by: University of São Paulo (USP) US\$ 8,000

### Extramural Research Grants

- 2021 – 2024 Allostatic states of stress and preclinical stages of cognitive dysfunction. Role: PI  
Funded by: Alzheimer's Association; US\$ 150,000
- 2017 – 2022 Effects of puberal development on self-regulation of behavior and its relation with present and past life condition. Role: Co-investigator  
Funded by: São Paulo Research Foundation (FAPESP) # 2016/14750-0; US\$ 380,000
- 2018 – 2021 Management of stress symptoms in nursing professionals through the use of alternative and complementary health practices: a randomized clinical trial. Role: Co-investigator  
Funded by: São Paulo Research Foundation (FAPESP) # 2017/19645-2; US\$ 182,577
- 2018 – 2019 Environmental contaminants and psychological stress as predictors of cognitive decline during aging. Role: PI  
Funded by: São Paulo Research Foundation (FAPESP) # 2018/05759-9; US\$ 8,000
- 2014 – 2017 Cardiovascular risk and allostatic load in nursing professionals working in oncology: psychosocial and work-related variables. Role: Co-investigator.  
Funded by: São Paulo Research Foundation (FAPESP) # 2014/10321-1; US\$ 120,000
- 2015 – 2016 Cross-country discrepancies on public understanding of stress concepts: evidence for stress-management psychoeducational programs. Role: PI  
Funded by: São Paulo Research Foundation (FAPESP) #2015/21163-0; US\$ 16,000
- 2014 – 2015 Influence of sleep quality in the cortisol levels in healthy elderly. Role: PI  
Funded by: São Paulo Research Foundation (FAPESP) #; US\$ 8,000
- 2013 – 2015 Chronic stress biomarkers and cognitive performance in nursing staff. Role: PI

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Funded by: São Paulo Research Foundation (FAPESP) # 2013/01637-2; US\$ 70,000

- 2013 – 2015 Acute stress and memory performance in older adults. Role: PI  
Funded by: São Paulo Research Foundation (FAPESP) # 2010/20515-7; US\$ 70,000
- 2013 – 2014 Influence of socioeconomic status on saliva samples compliance to the analysis of cortisol in elders. Role: PI  
Funded by: São Paulo Research Foundation (FAPESP) # 2013/08089-0; US\$ 8,000
- 2009 – 2013 Exposure to environmental contaminants and cognitive decline in healthy elderly: influence of psychosocial stress and oxidative stress. Role: Co-investigator  
Funded by: São Paulo Research Foundation (FAPESP) # 2009/13911-6; US\$ 125,000
- 2010 – 2012 Influence of sugar and alcohol industry occupation on neuroendocrine stress activity, cardiorespiratory and on cognitive performance in sugar cane workers. Role: Co-investigator  
Funded by: São Paulo Research Foundation (FAPESP) # 2009/54885-8; US\$ 125,000

#### *Non-profit foundations*

- 2018 – 2019 Environmental contaminants and psychological stress as predictors of cognitive decline during aging. Role: PI  
Funded by: Alzheimer's Association; US\$ 4,000
- 2011 – 2013 Self-Care deficit for instrumental daily life activities in health elderly individuals and patients with mild Alzheimer's disease: clinical evidence for a proposal of a new nursing diagnosis. Role: PI  
Funded by: NANDA-I Foundation; US\$ 1,500

#### **Unsponsored Scientific / Educational Research and Other Projects**

- 2020 – 2022 Loneliness and cognitive decline during COVID-19 pandemic in Brazilian elderly. Role: PI
- 2018 – 2022 Prevalence of dementia and cognitive impairment in urban indigenous population. Role: PI
- 2016 – 2018 Prevalence of dementia and cognitive impairment in elderly indigenous population. Role: PI

#### **Research and Clinical Presentations**

##### **International**

**Souza-Talarico JN**. Advancing Nursing Practice in Cognitive Impairment: Windows of vulnerability = opportunities of action. In: International Symposium of Adult Health (SISA), Sao Paulo, Brazil, 2021

\***Souza-Talarico JN**, Carvalho AP, Brucki SMD, Nitrini R, Ferretti-Rebustini REL, LoGiudice D. The validation of the adapted Kimberley Indigenous Cognitive Assessment in a Brazilian indigenous community of older adults from Amazonas. In: Alzheimer's Association International Conference – 2020.

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Barbosa BJAP, Jesus MCF, \***Souza-Talarico JN**, Buchpiguel CA, Busatto-Filho G, Nitrini R, Oliveira MO, Brucki SMD. Cortisol levels and cognitive status in elderly subjects: preliminary results from the Brazilian aging and memory study. Alzheimer's Association International Conference – 2020. Virtual Conference Experience.

\***Souza-Talarico JN**, Plusquellec, P, Lupien, SJ, Silva, FC, Suchecki, D. Environmental pollutants influence stress hormone and memory: Implications to brain health in human aging. In: Society of Neuroscience Conference – 2019, Chicago, IL.

Souza, TPB, \***Souza-Talarico JN**, Kuba, G, Turrini, R. Awakening cortisol response and perceived stress decrease after a quick massage intervention in nursing professionals. In: International Society of Psychoneuroendocrinology Conference – 2019, Milan, Italy.

Ferreira, MT, Silva, FC, \***Souza-Talarico JN**. Influence of stress mindset on cognitive functions: systematic review. In: II International Symposium on Adult Health – 2019, São Paulo, BR.

\***Souza-Talarico JN**, Carvalho AP, Brucki SMD, Nitrini R. Predictive value of the Stick Design Test in the screening of cognitive impairment among older adults from an Amazonian indigenous community. In: Symposium of the Alzheimer's Association International Conference – 2019, São Paulo, BR.

\***Souza-Talarico JN**, Carvalho AP, Brucki SMD, Nitrini R. Incidence and related factors of cognitive impairment in Brazilian Amazonian indigenous community. In: Alzheimer's Association International Conference – 2018, Chicago, IL.

\***Souza-Talarico JN**, Carvalho AP, Brucki SMD, Nitrini R. Adaptation and validation of the Kimberley Indigenous Cognitive Assessment (KICA) to Brazilian older adults indigenous. In: II Annual Meeting of the International Indigenous Dementia Research Network 2018, Chicago, IL.

Matos TM, Santos AT, \***Souza-Talarico JN**. Is the subjective cognitive decline an indirect measure of stress burden? A combined assessment of allostatic load, cortisol reactivity and perceived stress among older adults. In: 48<sup>th</sup> International Society of Psychoneuroendocrinology Conference 2018, Irvine, CA.

Alves AR, Brucki SMD, Nitrini R, Suchecki D, Lupien SJ, Plusquellec P, \***Souza-Talarico JN**. Increased cortisol reactivity predicts cognitive impairment not dementia during aging: a follow-up study. In: 48<sup>th</sup> International Society of Psychoneuroendocrinology Conference 2018, Irvine, CA.

Abraham ALCL, Parejo LS, \***Souza-Talarico JN**. Parental stress in the care of a child with congenital heart disease: a systematic review of the literature. In: JBI Brazil - 2017 Conference of the Americas - Evidence Implementation, 2017, São Paulo, BR.

Benavente SBT, \***Souza-Talarico JN**, Alves AR, Maia FOM, Costa AL.S. Association between perceived psychological stress and cognitive decline in aging: a systematic review protocol. In: JBI Brazil - 2017 Conference of the Americas - Evidence Implementation, 2017, São Paulo, BR.

Santos AT, Coelho DP, Yamaguti STF, \***Souza-Talarico JN**. Influence of biological and psychological indicators on memory performance in nursing professionals. In: 11<sup>o</sup> International Symposium of Nursing Research, 2017, Lisboa, Portugal.

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\*data-based, **bold** = **my authorship**; underline = developed during the review period (9/1/20-8/31/21)

Santos J, Meira KC, \***Souza-Talarico JN**, Pierin AMG. High Allostatic Load in Oncology Nursing Professionals: Prevalence and Associated Factors In: I International Symposium in Adulth Health, 2017, São Paulo, BR.

Santos J, Nascimento JOV, Meira KC, \***Souza-Talarico JN**, Pierin AMG. Shift work influences the occurrence of hypertension in work characteristics and lifestyles in nursing professionals. In: V Congresso de Investigação em Enfermagem Iberoamericano e de países de língua oficial Potuguesa, 2016, Portugal.

Santos J, \***Souza-Talarico JN**, Pierin AMG. Working in shifts influences the onset of hypertension, in the work and lifestyles in nursing professional. In: 26th European Meeting on Hypertension and Cardiovascular Protection, 2016, Paris, FR.

Nascimento JOV, Santos J, Meira KC, \***Souza-Talarico JN**, Pierin AMG. The influence of burnout and common mental disorders on blood pressure of nursing professionals working in alternating shifts. In: XXIV Brazilian Hypertension Society Congress, 2016, São Paulo, BR.

Nascimento JOV, Santos J, Meira KC, \***Souza-Talarico JN**, Pierin AMG. Alternate shift work in nursing professionals influences working conditions, lifestyle and blood pressure. In: XXIV Brazilian Hypertension Society Congress, 2016, São Paulo, BR.

Nascimento JOV, Santos J, Meira KC, \***Souza-Talarico JN**, Pierin AMG. Factors related to work, habits and lifestyles and blood pressure of nursing professionals: the influence of shift work. In: X Brazilian Nursing Meeting, 2016, São Paulo, BR.

\***Souza-Talarico JN**, Ferreti-Rebustini REL, Franco ME, Lacerda C, Suchecki D. High perceived stress, low cortisol awakening response and subjective memory complaint: a potential combination for an early sign of cognitive impairment. In: 2015 Alzheimer's Association International Conference, 2015, Washington (DC), USA.

Yamaguchi STF, Coelho D, Machado AL, Mendonça, ARB, \***Souza-Talarico JN**. High allostatic load and atypical diurnal cortisol secretion in nursing professional. In: 45th Annual Conference of the Society of Psychoneuroendocrinology 2015, Edimburg, Scotland.

\***Souza-Talarico JN**, Handa AY, Suchecki, D. Non-adherence to salivary cortisol sampling protocol is associated with low socioeconomic status and psychological factors in older adults. In: 45th Annual Conference of the Society of Psychoneuroendocrinology 2015, Edimburg, Scotland.

Silva JR, \***Souza-Talarico JN**. Sleep quality and cortisol concentrations during aging. In: 23<sup>o</sup> International Symposium of Scientific Initiation, 2015, São Paulo, BR.

Ferreti-Rebustini REL, Silva DV, \***Souza-Talarico JN**, Nitrini R. Determination of the Related Factors” for the Nursing Diagnosis “Chronic Confusion” By Brain Autopsy. In: Alzheimer's Association International Conference, 2015, Washington (DC), USA.

Handa AY, \***Souza-Talarico JN**. Influence of the socioeconomic level on the reliability of saliva samples for cortisol analysis in the elderly In: 22<sup>o</sup> International Symposium of Scientific Initiation, 2014, São Paulo, BR.

Santos, AT, Leyendecker D, \***Souza-Talarico JN**. Sex differences in basal and stress-induced cortisol levels, DHEAS and memory performance among older adults. In: 44th Annual ISPNE Conference, 2014, Montreal, CA.

\***Souza-Talarico JN**, Marcourakis T, Barbosa Jr F, Pompeia S, Caramelli P, Plusquellec P, Lupien SJ, Suchecki D. Interaction between environmental lead and cadmium exposure is associated with poor memory performance and oxidant defenses in older adults. In: Federation of European Neuroscience Societies (FENS) 9th FENS Forum of Neuroscience 2014, Milão, Italy.

\***Souza-Talarico JN**, Plusquellec P, Lupien SJ, Barbosa Jr F, Juster RP, Santos AT, Suchecki D. Interaction between high lead exposure and high allostatic load is associated with blunted cortisol awakening responses in older adults from an emerging economy country. In: SfN - Neuroscience 2012, New Orleans, USA.

Santos, AT, Leyendecker D, Demarco M, \***Souza-Talarico JN**. Stress reactivity and socioeconomic status among older adults: Evidence from emerging economy environment. In: SfN - Neuroscience 2012, New Orleans, USA.

\***Souza-Talarico JN**, Plusquellec P, Lupien SJ, Barbosa Jr F, Juster RP, Santos AT, Suchecki D. Lead exposure is associated with elevated awakening cortisol levels in elderly individuals. In: SfN - Neuroscience, 2011, Washington (DC), USA

\***Souza-Talarico JN**, Caramelli P, Nitrini R, Chaves EC. Coping strategies may vary according working memory performance in elderly with Alzheimer's disease. In: Alzheimer's Association International Conference, 2011, Paris, France.

Marcourakis T, Quaglio NB, Torres LH, Tavares G, Garcia RC, Moreira WL, Camarini R, \***Souza-Talarico JN**, Smid J, Porto CS, Nitrini R. Oxidative stress peripheral biomarkers in mild cognitive impairment and Alzheimer's disease. In: International Conference on Alzheimer's disease, 2010, Hawaii, USA.

\***Souza-Talarico JN**, Chaves EC, Nitrini R, Caramelli P. Chronic stress is associated with elevated cortisol levels in mild cognitive impairment. International Psychogeriatric Association International Meeting, 2009, Rio de Janeiro, BR.

Brucki SMD, Anghinah R, Areza-Fegyveres R, Bahia VS, Carthery-Goulart MT, Damin A, Formigoni AP, Frota N, Guariglia C, Jacinto AF, Kato EM, Lima EP, Mansur LL, MOREIRA D, Nobrega AB, Porto CS, Senah MLH, Silva, MNM, Smid J, Radanovic M, \***Souza-Talarico JN**, Nitrini R. Test of functional healthy literacy in adults: short version (S-TOFHLA), schooling, and Mini-Mental State Examination. *Alzheimer's & Dementia*; 2008;4(supl 02):443. In: Internacional Conference on Alzheimer's disease, 2008, Chicago (IL), BR.

\***Souza-Talarico JN**, Caramelli P, Nitrini R, Chaves EC. Cortisol levels and memory impairment in subjects with mild cognitive impairment and Alzheimer's disease. Internacional Conference on Alzheimer's disease, 2008, Chicago (IL), BR.

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\***Souza-Talarico JN**, Chaves EC, Caramelli P, Nitrini R. Effect of cortisol levels in the memory performance of elderly subjects with Alzheimer's disease In: 6th World Congress on Stress, 2007, Viena, Austria.

\***Souza-Talarico JN**, Chaves EC, Caramelli P. Nitrini R. Effect of cortisol levels on working memory performance. In: International meeting of working memory and its relationship with other memories, 2007, São Paulo, BR.

\***Souza-Talarico JN**, Chaves EC, Caramelli P. Stress in elders with Alzheimer's disease In: Programa do X Encontro Internacional de Investigación en Enfermería, 2006, Albacete. Espanha.

\***Souza-Talarico JN**, Chaves EC, Caramelli P. Coping in elders with Alzheimer's disease In: Programa do X Encontro Internacional de Investigación en Enfermería, 2006, Albacete. Espanha.

\***Souza JN**, Chaves EC. Memory stimulation and performance among healthy elderly In: 10º. International Symposium of Scientific Initiation - USP, Ribeirão Preto, BR.

## **National**

\* **Souza-Talarico JN**, Silva FC, Schieri K, Maia-Mota F et al. Delirium screening and detection in critical care setting: successful experience from middle-income country. In: Midwest Nursing Research Society – 2021, USA.

\***Souza-Talarico JN**, Alves, AR, Brucki SMD, Nitrini R. Stress-induced cortisol responsiveness predicts cognitive impairment no dementia during aging: a five years follow-up study. In: Alzheimer's disease and related disorders Meeting – 2019, Campinas, BR.

\***Souza-Talarico JN**, Carvalho AP, Brucki SMD, Nitrini R. Cognitive impairment in Brazilian Amazonian indigenous. In: Alzheimer's disease and related disorders Meeting – 2019, Campinas, BR.

Brucki, SMD, Tuma R, Alvim, RP, Brito MH, \***Souza-Talarico JN**, Buchpiguel, CA, Busatto Filho, G, Nitrini, R. Evaluation of metabolic profile and chronic stress biomarkers in a subset of individuals from the Brazilian Aging Memory Study: preliminary results and perspectives. In: Alzheimer's disease and related disorders Meeting – 2019, Campinas, BR

Santos J, Meira KC, \***Souza-Talarico JN**, Pierin AMG. Factors Associated with High Allostatic Load in Oncology Nursing Professionals In: X Brazilian Epidemiology Congress, 2017, Florianópolis – SC, BR.

Silva JR, Takeda JRT, \***Souza-Talarico JN**. Influence of sleep quality on cortisol concentrations in healthy elderly subjects. In: VI Brazilian Congress of Geriatrics, Neuropsychiatry, 2015, São Paulo, BR.

Takeda JRT, Silva JR, \***Souza-Talarico JN**. Association between plasma cholesterol, body mass index and cognitive performance in adults and the elderly. In: VI Brazilian Congress of Geriatrics, Neuropsychiatry, 2015, São Paulo, BR.

Yamaguchi STF, Coelho D, Machado AL, Mendonça, ARB, Alves AR, **\*Souza-Talarico JN** Changes in the rhythm of cortisol secretion in nursing professionals: implications of occupational stress for the risk of illness. In: 67º Brazilian Congress of Nursing, 2015, São Paulo, BR.

Mendonça ARB, Yamaguti STF, Coelho D, Damazio M, **\*Souza-Talarico JN**. Stress and mental distress in nursing professionals. In: 14º Stress Congress - ISMA-BR, 2014, Porto Alegre, BR.

Franco ME, **\*Souza-Talarico JN**. Subjective complaint of memory impairment and neuroendocrine activity of stress in healthy elderly. In: V Brazilian Congress of Geriatrics Neuropsychiatry, 2013, São Paulo, BR.

Santos, AT, Leyendecker D, Demarco M, **\*Souza-Talarico JN**. Decreased memory performance after acute psychosocial stress in healthy elderly. In: III Annual Meeting of Neuropsychology and Behavior, IV Forum of Neurobiology of Stress, 2012, Florianópolis, BR.

**\*Souza-Talarico JN**, Chaves EC, Nitrini R, Caramelli P. Coping strategies may be modulated by working memory performance according to cognitive impairment status. VII Alzheimer's disease and cognitive disorders Meeting, 2009, Porto Alegre, BR.

Brucki SMD, Anghinah R, Areza-Fegyveres R, Bahia VS, Carthery-Goulart MT, Damin A, Formigoni AP, Frota N, Guariglia C, Jacinto AF, Kato EM, Lima EP, Mansur LL, Moreira D, Nobrega AB, Porto CS, Senah MLH, Silva, MNM, Smid J, Radanovic M, **\*Souza-Talarico JN**, Nitrini R. Functional healthy literacy in adults-short version (S-TOFHLA), schooling and mini-mental state examination (MMSE). XXIII Brazilian Neurology Congress, 2008, Pará, BR.

**\*Souza-Talarico JN**, Nitrini R, Chaves EC, Caramelli P. Salivary cortisol and memory impairment in subjects with mild cognitive impairment and Alzheimer's disease. VI Alzheimer's disease and cognitive disorders Meeting, 2007, Minas Gerais, BR.

Carthery-Goulart MT, Anghinah R, Areza-Fegyveres R, Bahia VS, Brucki SMD, Damin A, Formigoni AP, Frota N, Guariglia C, Jacinto AF, Kato EM, Lima EP, Mansur LL, MOREIRA D, Nobrega AB, Porto CS, Senah MLH, Silva, MNM, Smid J, Radanovic M, **\*Souza-Talarico JN**, Nitrini R. Performance of a Brazilian population on the test of functional healthy literacy in adults-short version (S-TOFHLA). VI Alzheimer's disease and cognitive disorders Meeting, 2007, Minas Gerais, BR.

Brucki SMD, Anghinah R, Areza-Fegyveres R, Bahia VS, Carthery-Goulart MT, Damin A, Formigoni AP, Frota N, Guariglia C, Jacinto AF, Kato EM, Lima EP, Mansur LL, Moreira D, Nobrega AB, Porto CS, Senah MLH, Silva, MNM, Smid J, Radanovic M, **\*Souza-Talarico JN**, Nitrini R. Functional healthy literacy in adults-short version (S-TOFHLA), schooling and mini-mental state examination (MMSE). Alzheimer's disease and cognitive disorders Meeting, 2007, Minas Gerais, BR.

Novelli MMPC, **\*Souza-Talarico JN**, Nitrini R, Caramelli P. Preliminary results of the applicability, reliability and intra-examiner stability of the Portuguese version of the Daily Life Scale of Lawton and Brody in Alzheimer's Disease. In: 5º. Regional Congresso f Geriatrics and Gerontology, 2007, Santos, BR.

**\*Souza-Talarico JN**, Chaves EC, Nitrini R, Caramelli P. Influence of schooling and individual income on the performance of operational memory of healthy elderly people In: VII São Paulo Research Conference – Brain and Thinking, 2007, São Paulo, BR.

\***Souza-Talarico JN**, Chaves EC, Caramelli P. Avaliação de estresse em idosos In: XV Brazilian Geriatrics and Gerontology Congress, 2006, Goiás, BR.

\***Souza-Talarico JN**, Caramelli P, Nitrini R, Chaves EC. Effects of cortisol levels on memory performance of elderly individuals with Alzheimer's disease. In: XXII Brazilian Neurology Congress, 2006, Recife, BR.

\***Souza-Talarico JN**, Chaves EC, Caramelli P. Stress and coping in the elderly with Alzheimer's disease. In: V Alzheimer's disease and cognitive disorders Meeting, Ribeirão Preto, BR.

\***Souza-Talarico JN**, Bertolozzi MR. Vulnerability to tuberculosis in nursing workers In: VI Brazilian Epidemiology Congress, 2004, Recife, BR.

\***Souza JN**, Chaves EC. Effect of memory stimulation in healthy elderly group. In: 54<sup>o</sup> Brazilian Nursing Congress, 2002, Fortaleza, BR.

### **Local (including university)**

\***Souza JN**, Gonçalves LA, Kimura M. Analysis of research on quality of life assessment of disabled persons from a Proxy perspective. VII Course Completion Monographs Presentation - Escola de Enfermagem da Universidade de São Paulo, 2003, São Paulo, BR.

## **SERVICE**

### **Editorial and Peer Review Service**

#### **Editor of journal or editorial board memberships**

2021 – Journal of Holistic Nursing - Manuscript Reviewer

2020 – Research in Gerontological Nursing - Manuscript Reviewer

2020 – Revista Brasileira de Gerontologia - Manuscript Reviewer

2019 - Environmental Research - Manuscript Reviewer

2019 –Frontiers in Behavioral Neuroscience – **Associate Editor**

2018 – International Psychogeriatrics - Manuscript Reviewer

2016 – eNeurologicalSci - Manuscript Reviewer

2016 – Journal of Aging Research - Manuscript Reviewer

2016 – Revista Acta Paulista de Enfermagem - Manuscript Reviewer

2016 – Revista Psicologia: Teoria e Pesquisa - Manuscript Reviewer

2014 – International Journal of Geriatric Psychiatry - Manuscript Reviewer

2014 – Revista Latino Americana de Enfermagem - Manuscript Reviewer

2011 – Psychoneuroendocrinology - Manuscript Reviewer

2009 – Dementia & Neuropsychologia – **Associate Editor**

2010 – Journal of School of Nursing – University of São Paulo - Manuscript Reviewer

#### **Peer review of scholarly products**

2021 – Alzheimer's Association

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2019 – São Paulo Research Foundation (FAPESP)  
2012 – Pernambuco Research Foundation (FACEPE)  
2015 – Joanna Briggs Institute (JBI)

### **Professional Service (including organizational memberships and other professional activities)**

#### **Society/Association membership, participation and leadership**

2021 – The Gerontology Society of America – Role: Member, volunteer  
2020 – Midwest Nursing Research Society – Role: Member, volunteer  
2014 – Joanna Briggs Institute – Role: Core staff elected in the Brazilian Collaborative Center of the Joanna Briggs Institute  
2014 – Society of Psychoneuroendocrinology – Role: member, volunteer  
2011 – 2014 Society for Neuroscience (SfN) – Role: Member volunteer  
2009 – 2018 Advanced Trauma Care for Nurses (ATCN) – Faculty member elected

### **University Service (including Academic Health Campus Activities)**

#### University of Sao Paulo, Brazil

2016 – 2021 International Academic Agreement signed with the *Center de Recherche Institut Universitaire at Santé Mentale de Montréal, Université de Montréal*, Coordinator volunteered.

2015 – 2020 The Brazilian Centre for Evidence-based Healthcare: A Joanna Briggs Institute Centre of Excellence, Member elected

2013 – 2020 Center of Evidence-Based Nursing (NUEBE), University Hospital, Member elected

2012 – 2020 Center of Research Support, University Hospital, Member elected.

2019 - 2019 Scientific Committee for the organization of the International Symposium of Evidence-Practice Health Implementation (SIIES), Joanna Briggs Institute, Brazilian Center of Collaboration, Director volunteered.

2019 - 2019 Residency Program on Adult Health Nursing, School of Nursing and University Hospital, Coordinator elected.

2019 - 2019 Liaison Committee between the School of Nursing and the University Hospital, University of São Paulo, Member elected.

2017 - 2017 Scientific Committee for the organization of the JBI Conference of the Americas (JBI CoA 2017), Joanna Briggs Institute, Brazilian Center of Collaboration, Member volunteered.

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## Collegiate Service (including College of Nursing Activities)

### University of Iowa

2021 BSN admission committee

2021 Scholarship Committee

### University of Sao Paulo

- 2020 – 2021 Scientific Committee for the organization of the International Symposium of Adult Health (SISA), Department of Medical-Surgical Nursing, School of Nursing, Member volunteered
- 2019 - 2020 Scientific Committee for the organization of the International Symposium of Adult Health (SISA), Department of Medical-Surgical Nursing, School of Nursing, Member volunteered
- 2019 - 2020 School of Nursing Assembly, Member elected.
- 2015 – 2020 International Cooperation Committee, School of Nursing, Member elected.
- 2015 – 2019 Deputy Head of the Department of Medical-Surgical Nursing (ENC), School of Nursing, Member elected
- 2014 – 2020 Research Committee, School of Nursing, Member elected.
- 2012 – 2015 Undergraduate Committee, School of Nursing, Member elected
- 2010 – 2020 Board of the Department of Medical-Surgical Nursing (ENC), School of Nursing, Member elected.
- 2010 – 2020 Graduate Committee on Adult Health Nursing Graduate Program (PROESA), School of Nursing, Member elected.

## Community Service

### Community organization membership, leadership positions, committee or task force memberships, or other activities

- 2018 – 2018 Longev Week, Lecture for lay community, Faculty of Medicine, University of São Paulo.
- 2010 – 2013 Stress Summer Course, Lecture for lay community, Federal University of São Paulo.
- 2010 -2010 University open to elderly Program, Lecture for lay community, Federal University of São Paulo
- 2008 – 2010 Support Group for Caregivers of Patients with Alzheimer's Disease, Cognitive and Behavior Neurology Clinic, University of São Paulo.

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## TEACHING

### **The University of Iowa, College of Nursing**

2021 Fall – NURS: 3138 - Nursing Pharmacological Interventions I. Team teacher. Undergraduate (n = 80)

2021 Fall – NURS: 5009 – Evaluating Evidence for Practice. Course Coordinator. Graduate (n = 60)

2021 Spring – NURS:3138 - Nursing Pharmacological Interventions I. Team teacher. Undergraduate (n = 80)

2021 Spring – NURS:7003 – Quantitative Research. Team teacher. PhD (n = 6)

### **University of Sao Paulo, School of Nursing**

2010 Fall Nursing Care for Adult and Elderly with chronic affections. Team teacher. Undergraduate (n = 40)

2011 Spring Health Assessment. Team teacher. Undergraduate (n = 80)

2011 Fall Nursing Care for Adult and Elderly with chronic affections. Team teacher. Undergraduate (n = 40)

2011 Fall Neurobiology of Stress and Coping Strategies. Director. Graduate Master and PhD (n = 15)

2011 Fall Nursing Care for Adult and Elderly with chronic affections. Team teacher. Undergraduate (n = 40)

2012 Spring Health Assessment. Team teacher. Undergraduate (n = 80)

2012 Spring Nursing Care for Adult and Elderly with chronic affections. Team teacher. Undergraduate (n = 40)

2012 Fall Neurobiology of Stress and Coping Strategies. Director. Graduate Master and PhD (n = 15)

2012 Fall Nursing Care for Adult and Elderly with chronic affections. Team teacher. Undergraduate (n = 40)

2013 Spring Health Assessment. Team teacher. Undergraduate (n = 80)

2013 Spring Nursing Care for Adult and Elderly with chronic affections. Team teacher. Undergraduate (n = 40)

2014 Spring Health Assessment. Team teacher. Undergraduate (n = 80)

2014 Spring Nursing Care for Adult and Elderly with chronic affections. Team teacher. Undergraduate (n = 40)

2014 Spring Conceptual and Theories in Nursing. Team teacher. Undergraduate (n = 80)

2014 Fall Neurobiology of Stress and Coping Strategies. Director. Graduate Master and PhD (n = 15)

2014 Fall Nursing Care for Adult and Elderly with chronic affections. Team teacher. Undergraduate (n = 40)

2015 Spring Health Assessment. Director. Undergraduate (n = 80)

2015 Spring Nursing Care for Adult and Elderly with chronic affections. Team teacher. Undergraduate (n = 40)

2015 Spring Conceptual and Theories in Nursing. Team teacher. Undergraduate (n = 80)

2015 Fall Neurobiology of Stress and Coping Strategies. Director. Graduate Master and PhD (n = 15)

2015 Fall Nursing Care for Adult and Elderly with chronic affections. Team teacher. Undergraduate (n = 40)

2016 Spring Health Assessment. Team teacher. Undergraduate (n = 80)

2016 Spring Nursing Care for Adult and Elderly with chronic affections. Team teacher. Undergraduate (n = 40)

2016 Spring Conceptual and Theories in Nursing. Team teacher. Undergraduate (n = 80)

2017 Spring Nursing Care for Adult and Elderly with chronic affections. Team teacher. Undergraduate (n = 40)

2017 Fall Neurobiology of Stress and Coping Strategies. Director. Graduate Master and PhD (n = 15)

2017 Fall Nursing Care for Adult and Elderly with chronic affections. Team teacher. Undergraduate (n = 40)

2018 Spring Health Assessment. Team teacher. Undergraduate (n = 80)

2018 Spring Nursing Care for Adult and Elderly with chronic affections. Team teacher. Undergraduate (n = 40)

2018 Spring Conceptual and Theories in Nursing. Team teacher. Undergraduate (n = 80)

2018 Fall Neurobiology of Stress and Coping Strategies. Director. Graduate Master and PhD (n = 15)

2018 Fall Nursing Care for Adult and Elderly with chronic affections. Team teacher. Undergraduate (n = 40)

2019 Spring Health Assessment. Team teacher. Undergraduate (n = 80)

2019 Spring Nursing Care for Adult and Elderly with chronic affections. Director. Undergraduate (n = 40)

2019 Spring Conceptual and Theories in Nursing. Team teacher. Undergraduate (n = 80)

2019 Fall Neurobiology of Stress and Coping Strategies. Director. Graduate Master and PhD (n = 15)

2019 Fall Nursing Care for Adult and Elderly with chronic affections. Team teacher. Undergraduate (n = 40)

2020 Spring Health Assessment. Team teacher. Undergraduate (n = 80)

2020 Spring Nursing Care for Adult and Elderly with chronic affections. Team teacher. Undergraduate (n = 40)

2020 Spring Conceptual and Theories in Nursing. Team teacher. Undergraduate (n = 80)

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## Mentoring and Advisement

### The University of Iowa, College of Nursing

#### PhD

2021- 2023 Harb, Alaa. Advisor (deferred to Fall 2022)

#### Undergraduate Young Scientist Program

2021 Natalie Elizaldi

### University of Sao Paulo School of Nursing

#### PhD student with extramural funds

2018 - 2022 Silva, Fernanda C. Advisor  
Delirium in Intensive Care Unit.

#### PhD student without extramural funds

2019 - 2023 Bezerra, Camila C. Advisor  
Prevalence of cognitive impairment in urban indigenous community from Brazil.

2017 - 2021 Parejo, Lucinéia S. Advisor  
Allostatic load, hair cortisol and cognitive performance in caregivers

2015 – 2020 Yamaguti, Siomara TF. Advisor  
Cognitive status and frailty syndrome

2014 – 2016 Carvalho, Anna P. Advisor  
Cognitive impairment and dementia in indigenous population

2013 – 2017 Santos, Juliano, Co-advisor  
Cardiovascular risk and allostatic load in oncology nursing professionals

#### Master in Science student with extramural funds

2015 – 2017 Alves, Andréa R. Advisor  
Environmental contaminants, cortisol levels and cognitive impairment during aging

2011 – 2013 Santos, Aline T. Advisor  
Stress response and memory during aging

#### Master in Science student without extramural funds

2019 – 2021 Silva, Diego F. Advisor  
Dysfunctional family and cognitive decline during aging: a longitudinal study

2018 – 2021 Ferreira, Mariana T. Advisor  
Mindset stress concepts and associated factors: scope review

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- 2015 – 2017 Matos, Tatiane M. Advisor  
Subjective memory decline, perceived stress and allostatic load during aging
- 2014 – 2016 Coelho, Daniela P. Advisor  
Allostatic load and memory performance in nursing professionals
- 2013 – 2015 Oliveira, Murielly M. Co-advisor  
Fatigue and surgical symptoms in patients with cancer
- 2013 – 2015 Yamaguti, Siomara TF. Advisor  
Cortisol rhythm and allostatic load in nursing professionals
- 2012 – 2014 Mendonça, Amanda RB. Advisor  
Atypical cortisol rhythm and mental disorders in nursing professionals

#### Residency in Cardiovascular Nursing Program

- 2014 – 2015 Rummy, Juliana. Mentor  
Cardiovascular risk and memory performance during aging
- 2014 – 2015 Pontes, Kátia. Mentor  
Psychological stress and cardiovascular risk in healthy older adults

#### BSN Program

- 2019 – 2020 Jesus, Maria Clara F. Mentor in the Young Scientific Program  
Stress mindset and cortisol levels in nursing staff
- 2018 – 2019 Ferreira, Giovanna MAD. Mentor in the Young Scientific Program  
Hair cortisol and allostatic load biomarkers profile from normal to pathological aging
- 2018 - 2019 Tavares, Alexia. Mentor in the Young Scientific Program  
Stress mindset and depressive symptoms during aging
- 2017 – 2018 Moraes, Mariana B. Mentor in the Young Scientific Program.  
Perceived stress and cortisol levels and subjective cognitive decline
- 2013 – 2014 Handa, Alina Y. Mentor in the Young Scientific Program.  
Saliva samples compliance and cortisol levels in diverse socioeconomic status
- 2013 – 2014 Silva, Juliana R. Mentor in the Young Scientific Program.  
Quality of sleep and awakening cortisol response during aging
- 2011 – 2012 Lacerda, Camila M. Mentor for BSN Honors Project.  
Subjective decline and working memory during healthy aging

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\*data-based, **bold** = **my authorship**; underline = developed during the review period (9/1/20-8/31/21)

2011 – 2012 Franco, Marinete E. Mentor in the Young Scientific Program.  
Subjective memory decline and cortisol reactivity to acute stress.