

Caroline Bulcão Souza, MD, PhD
born May 29th, 1974, in Valença-BA, Brazil

Education/Training

2002 - 2006 PhD in Medicine (Clinical Endocrinology Program)

Federal University of São Paulo (UNIFESP), São Paulo, Brazil

Thesis title: Contributions of metformin and simvastatin for the understanding of the relationship between insulin resistance and inflammation.

2003 Endocrinology Board Certification - Brazilian Society of Endocrinology and Metabolism (SBEM)

2000 - 2002 Clinical Fellowship - Endocrinology

Federal University of São Paulo (UNIFESP), São Palo, Brazil

1998 - 2000 Medical Residency - Internal Medicine

Federal University of São Paulo (UNIFESP), São Palo, Brazil

1991 - 1997 Medical Degree

Federal University of Bahia (UFBA), Salvador, Brazil

Current/Previous Positions Held

2017 - incumbent: Study Coordinator, *Joslin Heart Study*, Section of Genetics & Epidemiology, Joslin Diabetes Center, Boston, EUA

2013 - incumbent: Adjunct Professor, Family Health Department, Escola Bahiana de Medicina e Saúde Pública, Salvador, Brazil

2011 - incumbent: Instructor of the Clinical Endocrinology Fellowship Program, Bahia State Diabetes and Endocrinology Centre (CEDEBA), Salvador, Brazil - Type 2 Diabetes and Thyroid Outpatient Units

2009 - 2010: Substitute Professor, Internal Medicine, Federal University of Bahia (UFBA), Salvador, Brazil

Publications

1. Double-diabetes in a real-world sample of 2711 individuals: associated with insulin treatment or part of the heterogeneity of type 1 diabetes? Giuffrida, Fernando M. A.; **Bulcão, Caroline**; Cobas, Roberta A.; Negrato, Carlos A.; Gomes, Marília B.; Dib, Sergio A.; Brazilian Type 1 Diabetes Study Group (BrazDiab1SG). *Diabetol Metab Syndr.* 2016;8:28.
2. Pitfalls in the diagnosis of frameshift mutations in the glucokinase (GCK) gene and the contribution of an additional cloning sequencing tool. Weinert LS, Giuffrida FM, Silveiro SP, **Bulcão C**, Kunii IS, Dias-da-Silva MR, Reis AF. *Diabetes Res Clin Pract.* 2015;108(1):e3-4. doi: 10.1016/j.diabres.2015.01.033.
3. Three unreported glucokinase (GCK) missense mutations detected in the screening of thirty-two Brazilian kindreds for GCK and HNF1A-MODY. Weinert LS, Silveiro SP, Giuffrida FM, Cunha VT, **Bulcão C**, Calliari LE, Della Manna T, Kunii IS, Dotto RP, Dias-da-Silva MR, Reis AF. *Diabetes Res Clin Pract.* 2014;106(2):e44-8. doi: 10.1016/j.diabres.2014.08.006.
4. Are the beneficial cardiovascular effects of simvastatin and metformin also associated with a hormone-dependent mechanism improving insulin sensitivity? **Bulcão C**, Giuffrida FM, Ribeiro-Filho FF, Ferreira SR. *Braz J Med Biol Res.* 2007;40(2):229-35.

5. Effects of simvastatin and metformin on inflammation and insulin resistance in individuals with mild metabolic syndrome. **Bulcão C**, Ribeiro-Filho FF, Sañudo A, Roberta Ferreira SG. Am J Cardiovasc Drugs. 2007;7(3):219-24.
6. The new adipose tissue and adipocytokines. **Bulcão C**, Ferreira SR, Giuffrida FM, Ribeiro-Filho FF. Curr Diabetes Rev. 2006;2(1):19-28.
7. Effect of third ventricle administration of L-694,247, a selective 5-HT_{1D} receptor agonist, on water intake in rats. De Castro-e-Silva E, Sarmiento C, Nascimento TA, Luz CP, Soares T, Marinho A, Cunha M, **Bulcão C**, De Oliveira IR, Fregoneze JB. Pharmacol Biochem Behav. 1997 Aug;57(4):749-54.
8. SDZ 216-525, a selective 5-HT_{1A} receptor antagonist, reverts zinc-induced inhibition of water intake in dehydrated rats. Fregoneze JB, Ferreira H, Soares T, Luz CP, **Bulcão C**, Nascimento T, Marinho CA, Sarmiento C, De-Oliveira IR, Cunha M, et al. Braz J Med Biol Res. 1995 Jun;28(6):711-4.
9. Effect of central acute administration of cadmium on drinking behavior. De Castro E Silva E, Ferreira H, Cunha M, **Bulcão C**, Sarmiento C, De Oliveira I, Fregoneze JB. Pharmacol Biochem Behav. 1996 Mar;53(3):687-93.
10. Acute effect of intracerebroventricular administration of lead on the drinking behavior of rats induced by dehydration or central cholinergic and angiotensinergic stimulation. Fregoneze JB, Cunha M, **Bulcão C**, Ferreira H, de Castro e Silva E. Physiol Behav. 1994 Jul;56(1):129-33.
11. FREGONEZE, J ; **Souza, C** ; CUNHA, M ; FERREIRA, H ; DE-OLIVEIRA, I. ; BARROS, L. ; MALBOUISSON, M. ; DE CASTRO-e-SILVA, E . Acute effect of intracerebroventricular administration of zinc on the drinking behavior of rats induced by dehydration or central cholinergic and angiotensinergic stimulation. Brazilian Journal of Medical and Biological Research (Impresso), v. 27, p. 2623-2633, 1994.

Citations (on 08/08/2018)

Web of Science: 191, h-index=7

Scopus: 188, h-index=6

Research projects

2002 - 2004: Inhaled insulin (Exubera) Clinical Trial

Setting: Multicenter Clinical Trial; individuals with type 1 diabetes

Position: Investigator, in charge of recruitment of patients, clinical consultation, pulmonary function tests, data collection

Funding: Pfizer

2002 - 2006: Contributions of metformin and simvastatin for the understanding of the relationship between insulin resistance and inflammation (PhD Thesis Project)

Setting: Crossover Randomized Clinical Trial; individuals with prediabetes

Position: Principal Investigator, in charge of recruitment of patients, clinical consultations, data collection and tabulation

Funding: Sao Paulo Research Foundation-FAPESP

2015 - current: Clinical Evaluation of Patients with Thyroid Cancer in an Outpatient Teaching Facility

Setting: Retrospective Cohort Study; individuals with thyroid cancer

Position: Principal Investigator (advisor of undergraduate medical student dissertation)

Funding: None

2016 - current: Analysis of Type 2 Diabetes autoimmunity in adults individuals of Bahia State

Setting: Transversal Study; individuals with Type 2 Diabetes

Position: Principal Investigator (advisor of undergraduate medical student dissertation)
Funding: Conselho Nacional de Desenvolvimento Científico e Tecnológico- CNPQ -
under consideration.

2014 - current: Analysis of clinical heterogeneity of Type 1 and type 2 Diabetes in adults
individuals of Bahia State

Setting: Transversal Study; individuals with Type 1 and Type 2 Diabetes

Position: Principal Investigator (advisor of undergraduate medical student dissertation)

Funding: Conselho Nacional de Desenvolvimento Científico e Tecnológico- CNPQ-
under consideration.

Journal referee:

-Arquivos Brasileiros de Endocrinologia & Metabologia/Archives of Endocrinology and
Metabolism