




Ramon Bossardi Ramos, Ph.D.

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ramonbossardi 

SUMMARY

- Extensive experience with molecular biology and bioinformatics with +7 years of experience in multifactorial disease research.
- Experienced in written and oral communication to different audiences, from academics to business leaders.
- Author of 21 publications in peer-reviewed journals, including 8 first-author papers.
- Strong ability to collaborate and work in a team environment on multi-disciplinary projects.

AWARDS

Columbia University SHARP's training in Quantitative Genomics - 2021

Histochemical Society Trainee Award - 2021

American Society for Investigative Pathology Trainee Scholar Award - 2021

Histochemical Society 2020 Lillie Awardees

Core Faculty Group - Universidade Anhembi Morumbi 2019

17th Academic Professional Excellence Award - Universidade Anhembi Morumbi 2019

EDUCATION

2011 - 2014	Ph.D. Molecular Endocrinology Advisor: Poli Mara Spritzer	UFRGS (Brazil)
2010 - 2011	M.S. Molecular Endocrinology	UFRGS (Brazil)
2006 - 2009	B.S. Health Science Technologies	IPA (Brazil)

EXPERIENCE

2020 - present Albany Medical College, laboratory of Dr. Alejandro Adam Albany, NY

POSTDOCTORAL RESEARCH FELLOW

- Elucidated the role of endothelial transcriptional responses during severe inflammation, measuring protein and RNA expression by ELISA and qPCR.
- Collaborated on a project of pathways in endothelial inflammation and applied molecular biology technics to identify the overactivation of the pathway in the endothelium, leads to thrombosis and leukoembolization that will promote multiorgan failure, using in vivo model and cultured HUVEC.
- Measured significant whole methylation differences in HUVEC and a murine model of inflammation using EPIC methylation arrays from Illumina, using R on data analysis.

2016 - 2020 Anhembi Morumbi University São Paulo , Brazil

ASSOCIATED COORDINATOR/PROFESSOR - HEALTH SCIENCE

- Led project team to offer training in basic science and clinical and professional education to improve the quality of the curriculum.
- Taught foundation and molecular biology courses for more than 1500 students, ability to work in a multi-disciplinary environment.
- Teamwork and leadership, responsible for the management and academic planning, working with 80 professors and 1500 students.

2015 - 2016 Johns Hopkins University, laboratory of Dr. Zhibin Wang Baltimore, MD

POSTDOCTORAL RESEARCH FELLOW

- Identified epigenetic marks that are affected in the embryonic period performed stem cell culture, using R to analyze sequencing results.
- Analyzed and interpreted genome-wide methylation, expression array, and qPCR gene expression data using R.
- Characterized specific methylation regions using bisulfite conversion, ligation, cloning with Sanger sequencing, and de novo sequence assembly.

TECHNICAL SKILLS

- Molecular Biology: qPCR, Sanger Sequencing, Western Blot, Infinium Methylation EPIC Array, Bisulfite whole-genome sequencing (BS-seq) library construction
- Data Analysis: R, SPSS
- Imaging: Fluorescent microscopy

SELECT PUBLICATIONS (6 OF 21)

- Martino N, **Bossardi Ramos R**, Lu S, Leyden K, Tomaszek L, Sadhu S, Fredman G, Jaitovich A, Vincent PA, Adam AP. Endothelial SOCS3 maintains homeostasis and promotes survival in endotoxemic mice. **JCI Insight**. Jul 22;6(14), 2021. PMID: 34138760.
- **Bossardi Ramos R**, Adam AP. Molecular Mechanisms of Vascular Damage During Lung Injury. **Adv Exp Med Biol**. 1304:95-107, 2021. PMID: 34019265.
- Hosseini Z, Marinello M, Decker C, Sansbury BE, Sadhu S, Gerlach BD, **Bossardi Ramos R**, Adam AP, Spite M, Fredman G. Resolvin D1 Enhances Necroptotic Cell Clearance Through Promoting Macrophage Fatty Acid Oxidation and Oxidative Phosphorylation. **Arterioscler Thromb Vasc Biol**. Mar;41(3):1062-1075, 2021. PMID: 33472399.
- Balnis J, Adam AP, Chopra A, Chieng HC, Drake LA, Martino N, **Bossardi Ramos R**, Feustel PJ, Overmyer KA, Shishkova E, Coon JJ, Singer HA, Judson MA, Jaitovich A. Unique inflammatory profile is associated with higher SARS-CoV-2 acute respiratory distress syndrome (ARDS) mortality. **Am J Physiol Regul Integr Comp Physiol**. Mar 1;320(3), 2021. PMID: 33434104.
- Martos, S*; Li, T*; **Bossardi Ramos R ***; Lou, D; Dai Xu; Gao, G; Gao, Y; Wang, Q; Zhang, X; Jia, Y; Dawson, V; Dawson, T; Wang, Z. Two approaches reveal a new paradigm of switchable or genetics-influenced allele-specific DNA methylation (ASM) with potential in human disease. **Cell Discovery**, v. 3, p. 17038 – 25, 2017. PMID: 29387450 (*contributed equally)
- **Bossardi Ramos, R.**; Fabris, V. C. ; Lecke, S. B.; Maturana, M. A.; Spritzer, P. M.; Association between global leukocyte DNA methylation and cardiovascular risk in postmenopausal women. **BMC Medical Genetics**, v. 17, p. 1-7, 2016. PMID: 27724854

Complete List of Published Work in My Bibliography (Google Scholar h-index 11):

<https://www.ncbi.nlm.nih.gov/myncbi/1FSzeD3716F5r/bibliography/public/>