



Cristiana Iosef

Basic Life Science Research Scientist, Cardiothoracic Surgery

Bio

BIO

Dr. Cristiana Iosef returned to Stanford University Medical School in Feb 2019, after serving for five years, as a research associate professor of Pharmacology, in the Nevada State University. Enthusiastically, Cristiana joined Dr Michael Fischbein's research program in the Department of Cardiothoracic Surgery, and she will focus on the molecular cues leading to vascular aneurysms. The long-term goal is to design high precision personalized therapies based on induced pluripotent stem cells (iPSC) aimed to restore the defective signaling pathways associated with cardio-vascular pathologies, or to predict their evolution. This collaboration started in 2010 while being a member of the Stanford/Pediatrics Department (Alvira lab) and yielded an important publication: Merk DR, Chin JT, Dake BA, Maegdefessel L, Miller MO, Kimura N, Tsao PS, Iosef C, Berry GJ, Mohr FW, Spin JM, Alvira CM, Robbins RC, Fischbein MP. miR-29b participates in early aneurysm development in Marfan syndrome. *Circ Res.* 2012 Jan 20;110(2):312-24. Dr Iosef is a dvm-surgeon and molecular signaling expert and she began her research career as a Fulbright Graduate Scholar in Washington University School of Medicine (St Louis, MO). She continued to specialize in animal models for human medicine practice in the Ohio State University. Prior to joining Stanford University in 2010, Cristiana developed an important body of work on signal-transduction and proteomic profiling of placental mesenchymal stem cells, in the University of Western Ontario, Canada (2001-10). In addition to her academic duties, Cristiana served as an associate director of the Mountain West Clinical Translational Research Consortium (2016-19). When she is not in the lab, Dr Iosef can be found hiking on the Pacific coast, skiing in the Sierras, visiting art galleries or she may study for her brown-belt exam in martial arts at JKA Shotokan Stanford. Aside from being a devoted vet-surgeon scientist, Cristiana is the proud mom of a young corporate lawyer.