**Postdoctoral Fellow**

The Ghosn lab is looking to recruit a postdoctoral fellow interested in examining the development and function of the mammalian immune system at a single-cell level. In the long run, our goal is to understand the differences between the immune cells that develop in fetal, neonatal, and adult life, and determine the functional impact of these differences in promoting host immunity or immunopathology.

Our studies employ and drive the frontiers of high-dimensional (18+ parameter) flow cytometry technologies to isolate, characterize, and transplant single immune and stem cells from both fetal and adult sources. Recently, we have identified, in mouse models, lineages of innate-like tissue-resident B lymphocytes and macrophages that develop in the fetus, independently of fetal and adult hematopoietic stem cells. We are also using humanized mice to investigate the development and function of these innate-like tissue-resident B lymphocytes in humans during both infancy and adulthood.

Candidates should have a Ph.D. in Immunology, Biology, Molecular Biology, or a related field, and have research experience using mouse models, primary cells, and common cellular and molecular immunology assays. The fellow will receive advanced training in high-dimensional (18+ parameter) flow cytometry techniques and participate in research at the frontier of this and related technologies, including high-throughput single cell-based gene expression assays (HT-qPCR and RNA/BCR sequencing). Experience with high-dimensional flow cytometry and/or single-cell transcriptomics would be a plus. Please send a CV, including the names of 3 references, along with a letter describing your previous experience and a brief statement of why you are interested in our work to eghosn@emory.edu. We look forward to hearing from you!

We will be located in the new Health Science Research Building at Emory University in Atlanta!