

References:

1. Silva WA, Jr., Covas DT, Panepucci RA, et al. The profile of gene expression of human marrow mesenchymal stem cells. *Stem cells*. 2003;21:661-669.
2. Panepucci RA, Siufi JL, Silva WA, Jr., et al. Comparison of gene expression of umbilical cord vein and bone marrow-derived mesenchymal stem cells. *Stem cells*. 2004;22:1263-1278.
3. Covas DT, Panepucci RA, Fontes AM, et al. Multipotent mesenchymal stromal cells obtained from diverse human tissues share functional properties and gene-expression profile with CD146+ perivascular cells and fibroblasts. *Experimental hematology*. 2008;36:642-654.
4. Saldanha-Araujo F, Ferreira FI, Palma PV, et al. Mesenchymal stromal cells up-regulate CD39 and increase adenosine production to suppress activated T-lymphocytes. *Stem cell research*. 2011;7:66-74.
5. Saldanha-Araujo F, Panepucci RA. CD39 expression in mesenchymal stromal cells. *Journal of immunotherapy*. 2011;34:568.
6. Saldanha-Araujo F, Haddad R, Farias KC, et al. Mesenchymal stem cells promote the sustained expression of CD69 on activated T lymphocytes: roles of canonical and non-canonical NF-kappaB signalling. *Journal of cellular and molecular medicine*. 2012;16:1232-1244.
7. Sangiorgi B, De Freitas HT, Schiavinato JL, et al. DSP30 enhances the immunosuppressive properties of mesenchymal stromal cells and protects their suppressive potential from lipopolysaccharide effects: A potential role of adenosine. *Cytotherapy*. 2016;18:846-859.
8. Sangiorgi B, Panepucci RA. Modulation of Immunoregulatory Properties of Mesenchymal Stromal Cells by Toll-Like Receptors: Potential Applications on GVHD. *Stem Cells Int*. 2016;2016:9434250.
9. Panepucci RA, Calado RT, Rocha V, et al. Higher expression of transcription targets and components of the nuclear factor-kappaB pathway is a distinctive feature of umbilical cord blood CD34+ precursors. *Stem cells*. 2007;25:189-196.
10. Panepucci RA, Oliveira LH, Zanette DL, et al. Increased levels of NOTCH1, NF-kappaB, and other interconnected transcription factors characterize primitive sets of hematopoietic stem cells. *Stem cells and development*. 2010;19:321-332.
11. Dos Santos Schiavinato JL, Oliveira LH, Araujo AG, et al. TNF-alpha and Notch signaling regulates the expression of HOXB4 and GATA3 during early T lymphopoiesis. *In Vitro Cell Dev Biol Anim*. 2016.

12. Schiavinato J, Haddad R, Saldanha-Araujo F, et al. TGF-beta/atRA-induced Tregs express a selected set of microRNAs involved in the repression of transcripts related to Th17 differentiation. *Sci Rep.* 2017;7:3627.
13. Rizzatti EG, Falcao RP, Panepucci RA, et al. Gene expression profiling of mantle cell lymphoma cells reveals aberrant expression of genes from the PI3K-AKT, WNT and TGFbeta signalling pathways. *British journal of haematology.* 2005;130:516-526.
14. de Paula Careta F, Gobessi S, Panepucci RA, et al. The Aurora A and B kinases are up-regulated in bone marrow-derived chronic lymphocytic leukemia cells and represent potential therapeutic targets. *Haematologica.* 2012;97:1246-1254.
15. Oliveira LH, Schiavinato JL, Fraguas MS, et al. Potential roles of microRNA-29a in the molecular pathophysiology of T-cell acute lymphoblastic leukemia. *Cancer Sci.* 2015;106:1264-1277.
16. Silva-Pinto AC, Dias-Carlos C, Saldanha-Araujo F, et al. Hydroxycarbamide modulates components involved in the regulation of adenosine levels in blood cells from sickle-cell anemia patients. *Annals of hematology.* 2014;93:1457-1465.
17. Fraguas MS, Eggenschwiler R, Hoepfner J, et al. MicroRNA-29 impairs the early phase of reprogramming process by targeting active DNA demethylation enzymes and Wnt signaling. *Stem cell research.* 2017;19:21-30.