Selected Publications

1. Miller, P.G., Bonn, M.B., Franklin, C.L., Ericcson, A.C., **McKarns, S.C**. (2015) TNF Receptor Type 2-deficiency Contributes to Sex-bias Spontaneous Autoimmunity: A Role for Gut Microbiome. *J. Immuno*l. [Epub ahead of print, 10/16/2015].
2. Miller, P.G., Bonn, M.B., and **McKarns, S.C**. (2015) Transmembrane TNF-TNFR2 Impairs CD4+ Th17 Differentiation by Promoting Il2 expression. *J. Immunol*. 195(6):2633-47.
3. Bodeman, C.E., Dzierlenga, A.L., Tally, C.M., Mulligan, R.M., Lake, A.D., Cherrington, N.J., **McKarns, S.C.** (2013) Differential Regulation of Hepatic Oct 1, Oatp1a4, BSEP, and MRP2 Transporter Expression in Lymphocyte-deficient mice associates with IL-6 Production. *J Pharmacol Exp Ther*., 347(1):48-56.
4. Aroor, A., **McKarns, S.C.**, Nistala, R.N., DeMarco, V., Whaley-Connell, A., and Sowers, J. R. (2013). DPP-4 inhibitors as therapeutic modulators of immune cell function and associated cardiovascular and renal insulin resistance in obesity and diabetes. *Cardiorenal Med*.; 3:48–56.
5. **McKarns SC**, Kerkvliet NI, Dean JH, Bonn MB, Cohen MD, Franko J, Laiosa MD, Lawrence BP, Luebke RW, Luster MI, Miller PG, Palmer RK, Pfau JC, Raman P, Regal JF, Rodgers KE, Schondelmeyer RS, Zhang X, and Burns-Naas LA.
(2012) Immunotoxicology: Fifty years of global scientific progress. *J Immunotoxicol*. 9 (4):339-340
6. **McKarns, S.C.** and Schwartz, R. H. (2008) Biphasic Regulation of Il2 Transcription in CD4+ T cells: Roles for TNF-α Receptor Signaling and Chromatin Structure. *J Immunol*. 181(2):1272-1281.
7. **McKarns, S. C**. and Schwartz, R. H. (2005) Distinct Effects of TGF-β1 on CD4+ and CD8+ T cell survival, division, and IL-2 production: A role for T cell intrinsic Smad3. *J. Immunol*., 174: 2071-2083.
8. **McKarns, S. C.** TGF-β1: Control of T Cell Responses to Environmental Antigens. In: *Encyclopedic Reference of Immunotoxicology* (ed. H.-W. Vohr) (2004) Springer Press Heidelberg, Germany.
9. **McKarns, S.C.**, Schwartz, R.H., and Kaminski, N.E. (2004) Smad3 is essential for TGF-β1 to suppress IL-2 production and TCR-induced proliferation, but not IL-2-induced proliferation. *J. Immunol*., 172: 4275-4284.
10. **McKarns, S.C.**, Letterio, J.J., and Kaminski, N.E. (2003) Concentration-dependent effects of TGF-β1 on immunoglobulin production in vitro: IgA secretion is not enhanced by TGF-β1 in LPS-activated Smad3-null B cells. *Int Immunopharmacol*. 3 (13-14):1761-1774.
11. **McKarns, S.C.** and Kaminski, N.E. (2000). TGF-β1 differentially regulates IL-2 expression and [3H]-thymidine incorporation in CD3 epsilon mAb- and CD28 mAb-activated splenocytes and thymocytes. *Immunopharm.* 48(2):101-115.