DDC
Texas Medical Center Digestive Diseases Center

WEEKLY GI RESEARCH WEBINAR

"The hypoxia-adenosine link during intestinal inflammation"

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Shifts in metabolic supply and demand have impacts on the microenvironment of the intestine during inflammatory conditions such as occur during inflammatory bowel disease. We will discuss some of the impacts of hypoxia and adenosine signaling on inflammatory endpoints during intestinal inflammation.

References:
1. Bowser JL, Phan LH, and Eltzschig HK. The Hypoxia-Adenosine Link during Intestinal Inflammation. J Immunol. 2018;200(3):897-907.
2. Aherne, C.M., C.B. Collins, C.R. Rapp, K.E. Olli, L. Perrenoud, P. Jedlicka, J.L. Bowser, T.W. Mills, H. Karmouty-Quintana, M.R. Blackburn, and H.K. Eltzschig. 2018. Coordination of ENT2-dependent adenosine transport and signaling dampens mucosal inflammation. JCI Insight
3. Herne, C.M., B. Saeedi, C.B. Collins, J.C. Masterson, E.N. McNamee, L. Perrenoud, C.R. Rapp, V.F. Curtis, A. Bayless, A. Fletcher, L.E. Glover, C.M. Evans, P. Jedlicka, G.T. Furuta, E.F. de Zoeten, S.P. Colgan, and H.K. Eltzschig. 2015. Epithelial-specific A2B adenosine receptor signaling protects the colonic epithelial barrier during acute colitis. Mucosal Immunol 8:699

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