

2008 Bonazinga Award winner selected



Dr. Klaus Ley

Dr. Klaus Ley is the recipient of the 2008 Marie T Bonazinga award bestowed by the Society of Leukocyte Biology. Dr. Ley received the majority of his training in Germany and currently serves as Head and Member of Autoimmune Research and Inflammation Biology at the La Jolla Institute for Allergy and Immunology. Dr. Ley was previously a Professor of Biomedical Engineering, Molecular Physiology and Biological Physics at the University of Virginia. His areas of research interest include the molecular mechanisms of inflammatory and autoimmune diseases, including atherosclerosis, Crohn's disease and acute lung inflammation. Dr. Ley's laboratory is interested in understanding the roles of adhesion molecules in these diseases and has focused these studies on understanding leukocyte adhesion to endothelial cells with the goal of developing methods to control inflammation and atherogenesis by interfering with adhesion and extravasation. Most recently, Dr. Ley's group reported that an ITAM-dependent pathway involving the Src-family kinase Fgr, and the ITAM-containing proteins DAP12 and FcR-gamma, is involved in the initial signaling events that are required to initiate neutrophil slow rolling (Zarbock et al., J Exp Med. 205(10):2339-47, 2008).