

SE&T Colloquium Series-Winter 2016

Speaker	Dr. Jay Scott Department of Biology
Title	<i>Why a cardiovascular physiologist is concerned with macrophages</i>
Abstract	Macrophages are a type of white blood cell commonly known for the role in protection and maintenance by engulfing and destroying foreign substances and microbes, and removing cell debris; however, this is a considerable understatement of the ways in which they contribute to normal physiology and the development of disease states. Macrophages are derived from immune cells called monocytes, and their lineage traces back to a stem cell in red bone marrow. Monocytes circulate in blood and then transform into macrophages in tissue in response to a number of different stimuli, including those from inflammatory events. So, if macrophages are immune cells, why would a biologist with an interest in cardiovascular physiology and disease have these cells at the center of their research? My talk will attempt to answer this question by describing the studies that led me to develop a research focus centered on macrophages, and will also provide some insight into the aims of some of the student research projects in my lab.
Date	Tuesday, April 12
Time	4:10-5:00pm
Place	Pioneer 240
	Refreshments will be served at 4:00pm.