



Discovery Science  
Emerging Scholars Lecture

# “Perivascular Macrophages in the Intersection of Tissue Health and Disease Pathophysiology”

Perivascular macrophages have been described and appear to play a role in tissue physiology, although it remains unclear what are the key features of these cells. We identified a population of perivascular macrophages characterized by their dependence on the transcription factor c-MAF. Furthermore, I observed that c-MAF dependent macrophages actively shape the white adipose tissue vasculature network. Finally, c-MAF ablation in macrophages prevented the development of the early signs of metabolic syndrome upon chronic hypercaloric diet feeding. These data show that tissue resident perivascular macrophages participate actively in the tissue morphogenesis and metabolic syndrome pathophysiology.



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Thursday  
January 26, 2023  
9:30 am CT  
206 PRB

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