The Robert M. Berne Cardiovascular Research Center Presents

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Coronary artery development in mouse and human

Developing organisms create tissues de novo, and the underlying instructions could inform organ regeneration. With this mindset, we study coronary arteries—which bring blood flow to heart muscle—in hopes of eventually treating coronary artery disease, the number one killer worldwide. We have discovered how mouse coronary arteries are built, and reinstated developmental pathways in adults to aid recovery following cardiac injury. Here, I will discuss what we learned about human coronary artery development by coupling single cell RNA sequencing technology with comparative biology.

Thursday April 8th 2021
11:00 AM-12:00 PM
Zoom

Hosted by: Karen Hirschi, PhD & Nick Chavkin, PhD