Key questions defining research program:

• Do macrophages determine post-MI healing of the myocardium?
• Does the origin of macrophages regulate insulin sensitivity?
• What are the molecular signaling for inflammatory cell production?
• Does inflammation change cell metabolism?
• Why tissue resident macrophages disappear in the visceral adipose tissue of diabetic patients?

Key words describing research program:

• Inflammation
• Macrophages
• Myocardial infarction
• Atherosclerosis
• Insulin resistance

Titles for shovel-ready research projects:

• The role of macrophages of different origins in post-MI healing of the myocardium and diabetes
• Mechanisms of insulin resistance after MI
• Molecular cues for inflammatory myeloid cell production in pulmonary hypertension
• The role of SerpinB2 in the disappearance of beneficial tissue resident macrophages in diabetes
• Exacerbation of atherosclerosis by VCAM-1+ macrophages