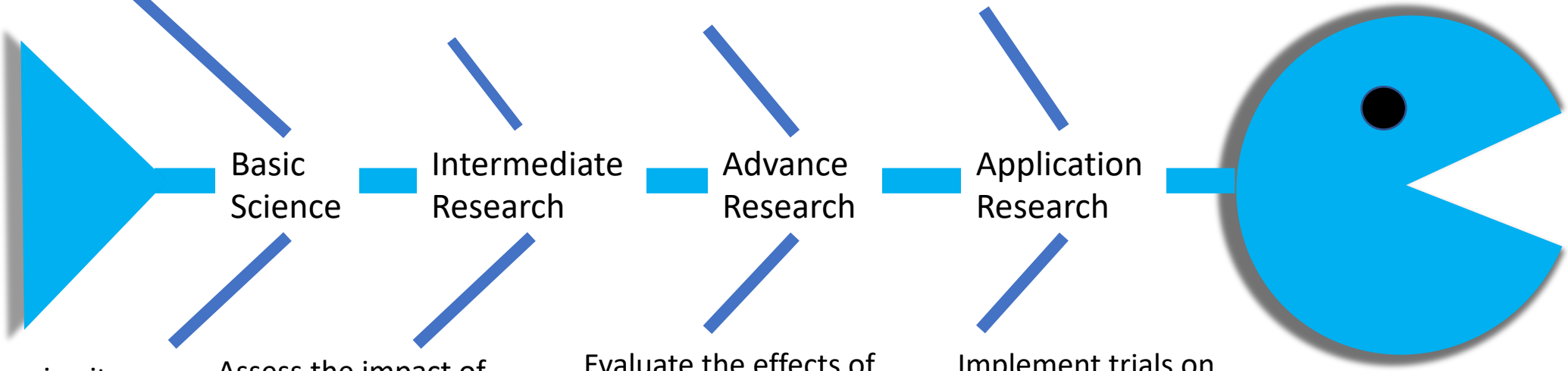
Investigate oxidative stress, vascular dysfunction, organ preservation, and metabolic disorders.

Identify correlations and risk factors linking oxidative stress to metabolic disorders

Explore molecular mechanisms, including gene expression and signaling pathways

Collaborate with clinical partners to evaluate dietary and pharmacological interventions

Identify and develop therapeutic targets.



Develop in vitro and animal models for studying oxidative stress and metabolic parameters.

Assess the impact of oxidative stress on vascular function and organ preservation.

Investigate metabolic alterations caused by oxidative stress.

Evaluate the effects of antioxidants on vascular health and metabolic outcomes

Measure long-term changes in vascular function and metabolism due to oxidative stress

Implement trials on antioxidant therapies and lifestyle modifications.

Research Road Map