

# Novel treatment against atherosclerotic vascular diseases



PRINCIPLE INVESTIGATORS:  
**Dr.-Ing. Szandor Simmons, Prof. Dr. med. Wolfgang M. Kuebler**  
Charité



## SUMMARY

Atherothrombosis is the leading cause of cardiovascular morbidity and mortality worldwide: Although statin-based lipid-lowering therapies have been shown to reduce major cardiovascular events, additional therapies are needed to reduce their occurrence.

The team has identified *via* retrospective patient data analysis a treatment which bears anticoagulant potential in inflammatory diseases, coupled to a low risk of ischemia and bleeding.

Their overall goal is therefore to prove the efficacy of a repurposed medication in the prevention and treatment of atherothrombosis and to provide a pathway to improved therapy.

## PROJECT GOALS

- Develop a novel therapy against atherosclerosis progression
- Demonstrate an improved outcome compared to standard anticoagulant therapy *in vivo*

## LONG-TERM GOALS

- License to Pharma or partner with Industry
- Perform clinical trials II / III