Aim 1
Deciphering molecular consequences of SARS-CoV-2 infection in vascular cells

Aim 2
Investigating (long-term) consequences of SARS-CoV-2-mediated vascular dysfunction in cardiovascular disease

Cellular models
- Pericytes
- Endothelial cells
- Cardiomyocytes

Genetically-engineered models (zebrafish, mouse)
- Clotting & thrombosis
- Vascular function & inflammation
- Cardiac function & morphology

Complementary approaches allow insight into response of human cells and in whole organisms.