Cardiovascular disease (CVD)

A group of conditions that affect the heart and/or the blood vessels.

Causes
CVD has both genetic and non-genetic risk factors such as hypertension, smoking, dyslipidaemia, diabetes mellitus, or family history of coronary heart disease.¹,²

Prevalence
>17.3m
Deaths per year
CVD is the leading cause of death worldwide

Symptoms and Complications⁴
- Chest pain (angina)
- Shortness of breath
- Pain, numbness, weakness or coldness in the legs or arms
- Pain in the neck, jaw, throat, upper abdomen or back

Advantages
Our approach can specifically target dyslipidaemia-causing genes that are not tackled by the current standard of care.

Drug candidate
siRNA-GalNAc

Treatments⁵
A considerable number of patients are drug-resistant and 10-15% are intolerant to currently available therapies.

References:
¹Number of coronary heart disease risk factors and mortality in patients with first myocardial infarction. Canto et al. JAMA, 2011
²Effect of potentially modifiable risk factors associated with myocardial infarction in 52 countries (the INTERHEART study): case–control study. Yusuf et al. Lancet, 2004
⁴http://www.mayoclinic.org/diseases-conditions/heart-disease/basics/symptoms/con-20034056
⁵http://www.nhs.uk/conditions/cardiovascular-disease/Pages/Introduction.aspx