Coronary Artery Disease
Assessing the development and treatment of coronary atherosclerosis
by Nienke van Ditzhuijzen

1. Intracoronary imaging offers new levels of anatomical detail for the diagnosis and treatment of coronary artery disease, paving the way to an improved understanding and therapeutic targeting of atherosclerosis. This thesis

2. Swine enable in-vivo longitudinal intracoronary imaging as well as ex-vivo vascular function testing and histological examination of coronary atherosclerosis that closely resembles the early human pathobiology. This thesis

3. Hyperglycemia is not the dominant factor contributing to the development of coronary atherosclerosis in swine fed a fast-food diet. This thesis

4. In-vivo optical coherence tomography provides unique information regarding the vascular response to bioresorbable vascular scaffolds. This thesis

5. Neoatherosclerosis is an important contributor to bioresorbable vascular scaffold failure. This thesis


7. Patients with unprotected left main coronary artery disease can be treated equally well with percutaneous coronary intervention or coronary artery bypass grafting. G.W. Stone, N Engl J Med 2016


11. Science would be ruined if it were to put competition above everything else. B. Mandelbrot, Infect Immun 2015