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**Brief summary of research over the last five years.** My work focusses on micro- and macro-vascular injury and repair in cardiovascular disease. Thrombosis is essential in initiating myocardial infarction, acute ischemic stroke atherosclerosis, and plays an important role in vascular healing. Recently it was discovered that NETs, neutrophil extracellular DNA traps with toxic properties, play an important role in thrombus formation and subsequently also in myocardial infarction and stroke. We are building the MRCLEAN and CONTRAST national biobanks for acute ischemic stroke, and the local CorTask biobank containing peri-procedural plasma and thrombus aspirates retrieved during routine treatment for STEMI.

**Professional memberships and output.** Dr. van Beusekom is a Fellow of the European Society of Cardiology since 2012, and member of the working groups “Atherosclerosis and Vascular Biology” and “Thrombosis” and the “Stroke Council”. She is also a member of the “International Working group on Intracoronary OCT” the “Dutch Pathology Society”, the “Dutch society of Mass Spectrometry” and the “Mass spectrometry Imaging Society”. She is an editorial board member of “Eurointervention” and Section editor for basic science and experimental cardiology for “Cardiology Journal”. Scopus ID: 7004104745. Google Scholar: H-factor 37