BASIC RESEARCH IN CARDIOVASCULAR DISEASE: FROM STEM CELLS TO IMMUNOMODULATION

PROEFSCHRIFT

Ter verkrijging van de graad van Doctor aan de Universiteit Leiden, op gezag van de Rector Magnificus prof. mr. C.J.J.M Stolker volgens besluit van het College voor Promoties ter verdediging op 18 juni 2015 klokke 15.00 uur.

door

MAARTEN ANTON LIJKWAN

Geboren te Delft in 1977

COVER DESIGN AND LAY-OUT: Vivian Dony, Dony design, Amsterdam

PRINTING: Optima Grafische Communicatie, Rotterdam

PROMOTIECOMMISSIE

PROMOTORES:

Prof. Dr. J.F. Hamming
Prof. Dr. P.H.A. Quax

CO-PROMOTOR:

Prof. J.C. Wu (Stanford University, USA)

OVERIGE LEDEN:

Dr. J.H. Lindeman
Prof. Dr. D.E. Atsma
Prof. Dr. M.C. Verhaar (Universitair Medisch Centrum Utrecht)

The research as described in this thesis has been a collaborative effort of the Department of Cardiothoracic Surgery, the Department of Medicine and Radiology at Stanford University (California, USA) and the Department of Surgery at the Leiden University Medical Center (The Netherlands). The research was supported by grants from the Netherlands Organization for Health Research and Development (ZonMW), the Fulbright Foundation, the Prof. Michaël-van Vloten Foundation, the Hendrik Muller Foundation, the Schuurman Schimmel-van Outeren Foundation and the Leiden University Foundation (LUF).

CONTENTS