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Modeling of the cardiac sympathetic nervous system and the contribution of epicardium-derived cells

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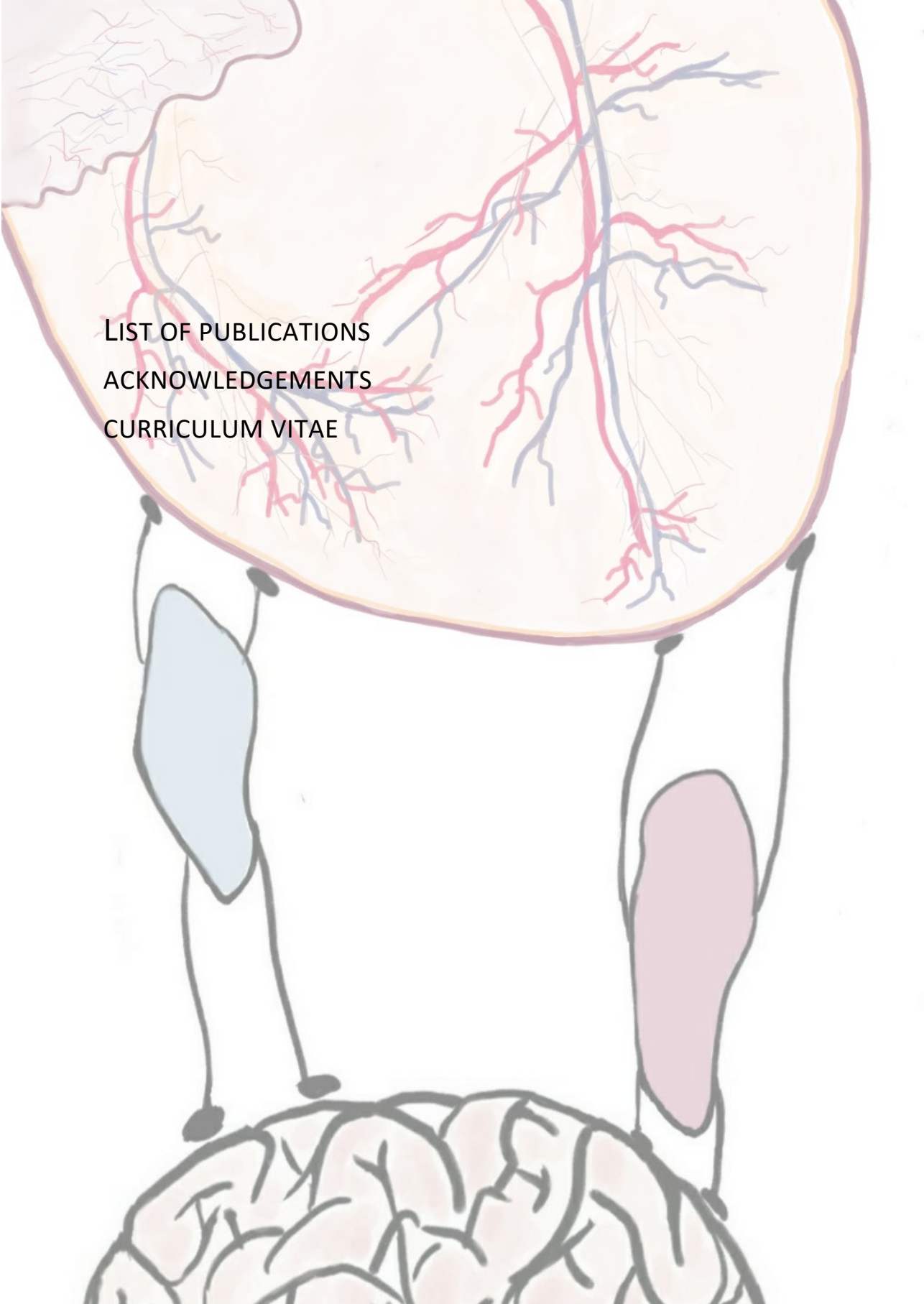
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LIST OF PUBLICATIONS

ACKNOWLEDGEMENTS

CURRICULUM VITAE

PUBLICATIONS

Yang Ge, Anke M. Smits, Jia Liu, Juan Zhang, Daniel Pijnappels, Thomas van Brakel, Marie-José Goumans, Monique RM. Jongbloed, Antoine A.F. de Vries. Generation, characterization and application of inducible proliferative adult human epicardium-derived cells. *Cells*. 2021 Aug 12;10(8):2064.

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Yang Ge, Yiyi Gong, Zhiwei Xu, Yanan Lu, Wei Fu. The Application of Sheet Technology in Cartilage Tissue Engineering. *Tissue Eng Part B Rev*. 2016 Apr;22(2):114-24.

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Under Peer Review Or Revision

Yang Ge, Lieke van Roon, Janine M. van Gils, Conny J Munsteren, Anke M. Smits, Marie-José T. H. Goumans, Marco C. DeRuiter, Monique R.M. Jongbloed. Acute myocardial infarction induces neuronal remodeling in murine superior cervical ganglia. Under revision *Frontiers in cardiovascular medicine*.

Yang Ge, Lieke van Roon, H. Sophia Chen, Ruben Methorst, Martin Paton, Marco C. DeRuiter, Szymon M. Kielbasa, Monique R.M. Jongbloed Low-input nucleus isolation and multiplexing with barcoded antibodies of mouse sympathetic ganglia for single-nucleus RNA sequencing. Under peer review *JOVE*

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CURRICULUM VITAE

Yang Ge was born on 22nd of April 1990 in Lanzhou, Gansu province, China, where she finished her high school study in 2008. In the same year she started her clinical medicine study in Weifang Medical University, during which she did her medical internship in Qingdao, Shandong, China. During the internship, she became interested in the congenital heart disease and cardiac development. Therefore, she started her master at the Department of Cardiothoracic Surgery at Shanghai Children's Medical Center, Shanghai Jiao Tong University, Shanghai, China (supervised by Prof. Dr. Y. Lu and Dr. W.Fu). In 2015, she got a scholarship from Shanghai Jiao Tong University to finish her 6-month research internship at the Department of Cell Biology at Erasmus Medical Center, where she obtained knowledge about mouse embryonic stem cells and epiblast stem cells (supervised by Dr. D. ten Berge). In 2016, she finished her master thesis and obtained her master degree of Medicine.

In the same year she finished her master, she decided to move to the Netherlands to continue her studying and research activity. She started to work as a PhD student at the Department of Anatomy & Embryology and the Department of Cardiology at Leiden University Medical Center (LUMC) (promotors: Prof. Dr. M.C. DeRuiter and Prof. Dr. M.J. Schalij; co-promotor: Dr. M.R.M. Jongbloed). Her research focused on cardiac innervation, especially the (re)modeling of cardiac sympathetic innervation (after cardiac damage) and the contribution of the epicardium/epicardium-derived cells during this process. The work is presented in this thesis.

She will start her resident training of Pediatric Surgeon at the Xinhua hospital, Shanghai, China in January 2022. She aspires to become a pediatric cardiothoracic surgeon after resident training and keep active in cardiac research.