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Developmental cell lineage dynamics in Bicuspid Aortic Valve disease

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List of publications

Peterson JC, Kelder TP, Goumans MJTH, Jongbloed MRM, DeRuiter MC. The Role of Cell Tracing and Fate Mapping Experiments in Cardiac Outflow Tract Development, New Opportunities through Emerging Technologies. *J Cardiovasc Dev Dis*. 2021 Apr 26;8(5):47. doi: 10.3390/jcdd8050047. PMID: 33925811; PMCID: PMC8146276.

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Curriculum Vitae

Joshua C. Peterson was born on March 10th, 1990 in Utrecht, The Netherlands. In 2007 he was accepted at the Institute for Life Science & Chemistry at the Hogeschool Utrecht where he specialized in Biomolecular Research. After completing a primary internship at the Dutch Cancer Institute – Antoni van Leeuwenhoek hospital (NKI-AVL) under the supervision of Kees Jalink, and a secondary intership at the Hubrecht Institute in the lab of Niels Geijsen he obtained his BSc in 2011. He continued his studies by enrolling into the master program, Cancer Genomics and Developmental Biology at the University of Utrecht that same year. After completing a secondary research project at the Hubrecht Institute in the group of Jeroen Bakkers, and a minor research project at Dana-Farber Cancer Institute in Boston MA, United States he successfully completed his master program in 2014. Later that year Joshua started a Ph.D. project in the group of Prof. dr. Marco C. de Ruiter at the department of Anatomy and Embryology at the Leiden University Medical Center (LUMC), Netherlands. His research focused on understanding the role of developmental cell lineage dynamics that underly bicuspid aortic valve disease. The results of this work are described in this thesis. He took an opportunity to build experience as an executive secretary of the animal welfare body at LUMC. Currently, he is working as an bioinformatician at the lab of Alexander van Oudenaarden at the Hubrecht Institute, The Netherlands.

