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Curriculum Vitae

Abidemi Junaid was born on August 15, 1990 in Ibadan, Nigeria. He obtained his secondary school degree in Biology, Chemistry and Physics at Dalton Den Haag, The Hague, The Netherlands in 2008. Subsequently, he started a Bachelor in Biometrics at the Zuyd University of Applied Sciences in Heerlen.

Between 2013 – 2015, Abidemi pursued a Master in Biomolecular Sciences at the VU University Amsterdam, specifically the Molecular Cell Biology, with excellent grades. His first master internship, in the group of Dr. Chirlmin Joo at TU Delft, was on elucidating the biophysical rule behind how microRNAs find their targets. In 2015, he started with a second master internship in the laboratory of Dr. Derk ten Berge at the Erasmus MC, to investigate the type of enhancer LIMES cells use to maintain their pluripotency.

In August 2015, Abidemi started his PhD at the Division of Systems Biomedicine and Pharmacology, LACDR, Leiden University and Einthoven Laboratory, Department of Nephrology, Leiden University Medical Center, on the investigations described in this thesis. This research was funded by the Dutch Heart Foundation and was performed under the supervision of Prof. Dr. Thomas Hankemeier, Prof. Dr. Anton Jan van Zonneveld, Dr. Alireza Mashaghi and Dr. Janine van Gils at Leiden University and Leiden University Medical Center. Work described in this thesis has been presented at several national and international congresses, where Abidemi was awarded with travel grants from The Metabolomics Society and Society for Laboratory Automation and Screening (SLAS). Moreover, he received the best oral presentation award by the Dutch Cardio Vascular Conference.

Currently, Abidemi is working at Leiden University and Leiden University Medical Center. Together with Erasmus University Medical Center, he aims to use his technology to discover biomarkers for early microvascular changes in sepsis and COVID-19 in order to improve survival from these diseases.

List of Publications

1. **Junaid A**, Mashaghi A, Hankemeier T and Vulto P. An end-user perspective on Organ-on-a-Chip: Assays and usability aspects. *Current Opinion in Biomedical Engineering*. 2017;1:15-22.
2. **Junaid A**, Tang HQ, van Reeuwijk A, Abouleila Y, Wuelfroth P, van Duinen V, Stam W, van Zonneveld AJ, Hankemeier T and Mashaghi A. Ebola Hemorrhagic Shock Syndrome-on-a-Chip. *Iscience*. 2020;23.
3. Zhang HY, Vreeken D, **Junaid A**, Wang GQ, Sol WMPJ, de Bruin RG, van Zonneveld AJ and van Gils JM. Endothelial Semaphorin 3F Maintains Endothelial Barrier Function and Inhibits Monocyte Migration. *Int J Mol Sci*. 2020;21.
4. **Junaid A**, Schoeman J, Yang W, Stam W, Mashaghi A, van Zonneveld AJ and Hankemeier T. Metabolic response of blood vessels to TNF alpha. *Elife*. 2020;9.