

Lung-on-a-Chip

Dr. Andries van der Meer, University of Twente, The Netherlands

Biography



Dr. Andries D. van der Meer is a Tenure Track Assistant Professor at the Faculty of Science and Technology of the University of Twente, The Netherlands. He is leader of the research theme 'Organs-on-Chips' in the Applied Stem Cell Technologies group of the Bioengineering Technologies cluster. He supervises five Ph.D. candidates and coordinates multiple research projects on the development and application of retina-on-chip, lung-on-chip and heart-on-chip systems.

From 2013 to 2015, Dr. Van der Meer worked as a Senior Research Fellow at Harvard Medical School and the Wyss Institute for Biologically Inspired Engineering of Harvard University, Cambridge, MA, USA. He actively developed organ-on-chip models of the blood-brain barrier and the alveolus for the Defense Advanced Research Projects Agency (DARPA) Microphysiological Systems program and coordinated a collaborative project between the Wyss Institute organ-on-chip start-up company Emulate, Inc. and Janssen Pharmaceuticals. Before joining Harvard University, he was a Post-Doctoral Fellow at Prof. Albert van den Berg's BIOS/Lab-on-a-Chip group of the University of Twente, The Netherlands. During that time, he also served as an Assistant Coordinator for the project 'Beyond Borders: Organs-on-Chips' of the Dutch Royal Academy (KNAW). This project led to the founding of the Dutch Human Organ and Disease Model Technologies (hDMT) Organ-on-Chip consortium, for which Dr. Van der Meer is his university's representative.

Dr. Van der Meer obtained his Ph.D. in Biomedical Engineering from the University of Twente, The Netherlands in 2010, and received his M.Sc. degree in Medical Biology from the University of Groningen, The Netherlands in 2005.

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