

Vasco Sequeira PhD.

Name: Vasco Sequeira, Phd.
Born: 14.01.1986

Training and Employment

Vasco Sequeira (born January 14-th, 1986), received his BSc degree in Biology from the Faculty of Sciences, University of Porto - Portugal, **in mid 2008**.

Thereafter he initiated his scientific internship in the Department of Physiology at the Faculty of Medicine of the University of Porto (Portugal), under the supervision of Prof. Dr. Adelino Moreira. There he obtained his MSc degree in Molecular Genetics, a joint collaboration with the School of Sciences, University of Minho (Portugal).

From February 2011 to August 2015 Vasco undertook a PhD program at the Department of Physiology of the VU Medical Center in Amsterdam (Netherlands), under the guidance of Prof. Dr. Jolanda van der Velden. His research was focused on the effects of hypertrophic cardiomyopathy (HCM) associated with thin and thick filament causing-mutations.

Vasco defended his PhD **February 2016**, awarded with cum laude at the VU Medical Center in Amsterdam.

From September 2015 till December 2016 he joined the group of Dr. Bjorn Knollmann at Vanderbilt School of Medicine in Nashville (TN, USA) as a post-doctoral fellow. There, Vasco studied the effects of Ca²⁺-handling and energy metabolism alterations in the pathophysiology of HCM and sudden cardiac death.

As of January 2017 he returned to the VU Medical Center in Amsterdam to continue his understanding in human HCM and establish the causal relations of energetic insufficiency and diastolic Heart Failure.

From January 2018 to present, Vasco moved to Wurzburg, Germany to the group of Prof. Dr. Christoph Maack to continue his work in human cardiomyopathies, but also Diastolic Heart Failure, to understand how synergistic inefficient myocardial energetics alongside oxidative stress predispose the heart towards failure.