

Molly O'Reilly is a Research Fellow at the Department of Experimental Cardiology of the Amsterdam University Medical Center. She obtained her PhD in Neuroscience in 2018 at the University of Sussex before relocating to the University of Birmingham where she completed a postdoc in Cardiovascular Sciences under the supervision of Professors Paulus Kirchhoff and Larissa Fabritz.

After acquiring an expertise in both fields, she was awarded the European Society of Cardiology Basic Research Fellowship 2020 and relocated to Amsterdam to investigate her interdisciplinary research ideas under the supervision of Associate Professor Carol Ann Remme.

Her research focusses on the role of the autonomic nervous system in inherited arrhythmia syndromes using functional and mechanistic studies in transgenic models and human induced pluripotent stem cell-derived neurons and cardiomyocytes. By unraveling the intricacies of the neuro-cardiac axis she aims to identify novel targets for the prevention and treatment of fatal cardiac arrhythmia conditions.