



Dr. Sandrine Morel, PhD-PD

Sandrine Morel obtained her PhD at the University of Grenoble (France) focusing on the effect of insulin-resistance on myocardial sensitivity to ischemia and reperfusion.

She carried out two post-doctoral fellowships in Switzerland on intracellular signaling pathways activated during cardiovascular stress such as hypoxia, ischemia and reperfusion (Department of Cardiology and Department of Cardiovascular Surgery, Lausanne), and on intercellular signaling in cardiovascular systems (Department of Cardiology and Department of Pathology and Immunology, Geneva).

In October 2015, she joined the national and multidisciplinary AneuX project on intracranial aneurysms. As part of this project, she participated in: 1) establishing in vitro models to study the effects of wall shear stress and cyclic circumferential stretch and, in subsequent RNAseq analysis, 2) establishing rat models to study the progression of aneurysms, and to find markers of aneurysm instability, 3) management of clinical data and of a human biobank of intracranial aneurysm domes collected during surgical treatment (Official label of the Swiss Biobanking platform), 4) histological investigations, and 5) data harmonization and analyses for the International Stroke Genetic Consortium Intracranial Aneurysm Working Group.

Currently, she works as a research scientist in the department of Clinical Neurosciences of the Geneva University Hospitals (<https://www.hug.ch/en/neurocentre/team>).

For more details and the full list of publications: <https://orcid.org/0000-0003-1538-3553>