

Short bio

Martina A. Maggioni is a physiologist who focuses on humans' adaptation to extreme environments and has accumulated experience in the development of methods for biosignals analysis. She is especially knowledgeable in the interpretation of the response of physiological control mechanisms to different conditions, in autonomic diseases, ageing, or living in extreme environments. With her team, she has also active collaborations in the design, validation, and realization of advanced miniaturized devices to continuously monitor physiological variables in the field, fostering a digital approach in medicine and global health, especially in low and middle-income countries.

Since 2020 Martina Maggioni is leading the sub-project "Climate change, heat stress and their effects on health and work capacity" within the Research Unit 2936 established by the German Research Foundation ([DFG](#)) entitled Climate Change and health in sub-Saharan Africa, addressing with a broad interdisciplinary approach the growing public health concern of accelerated disease burden as a consequence of climate change.