

## **Lena Kranold**

*Postdoctoral researcher for applied medical EM research*

Dr. Lena Kranold was born in Germany. She received the B.Eng. degree in Technology Management and Marketing from the University of Applied Sciences Kiel, Germany, in 2013 and the M.Sc. degree in Electrical and Information Engineering from the Christian-Albrechts-University of Kiel, Germany, in 2015. She earned the PhD degree in Electrical Engineering from McGill University, Canada, in 2020. Lena's PhD research was about the design of a wearable system for breast health monitoring, including RF radar, antenna and antenna array design, developing a prototype system for breast screening, and conducting clinical trials. Her research interests are in the fields of applied and computational electromagnetics, currently focusing on MR implant safety and compatibility. In 2021, Lena joined the IT'IS Foundation and ETH Zurich as postdoctoral researcher in applied medical EM research. Her current role includes customized research in MR implant safety and compatibility.



Lena served on the Board of Directors of IEEE Montreal Section for five years, as treasurer of the Women in Engineering Affinity Group (2017-2018) and as Vice-Chair of the IEEE Engineering in Medicine and Biology Society, Montreal Chapter (2019-2022).