

Dr Santoro graduated in Biomedical Engineering and hold a PhD Electrical Engineering and Information Technology. She pursued my doctoral studies in a joint project between Forschungszentrum Juelich and RWTH Aachen in Germany working on the optimization of biointerfaces for human-chip coupling. She was also a PhD scholarship holder in the International Helmholtz Research School of Biophysics and Soft Matter until 2014. From 2014 to 2017 she was a postdoctoral scholar in Chemistry at Stanford University (USA) working on advanced 3D biointerfaces focusing on nanostructures design and developing a method to visualize cells and tissues in contact with 'artificial' devices through a research fellowship awarded by the (American) Hearth Rhythm Society in 2016. Since 2017 she leads the Tissue Electronics Lab and is a tenure-track researcher at IIT. Among several national and international awards, she has been nominated one of the MIT Technology Review Innovators Under 35 in Europe and Italy in 2018.