

Melania REGGENTE – CV

Melania Reggente has been a material scientist at the EPFL in Switzerland since 2018, with over 6 years of experience developing multilayer materials for microbial electronic devices and biomedical systems. In 2017, after receiving a joint PhD degree in Physical Chemistry at the University of Strasbourg and the Sapienza University of Rome, she joined the lab of Prof. Palkowski at the Clausthal University of Technology to work on the development of resin-free sandwich material for biomedical applications. Her research focuses on interfacing microbes with electrochemical devices for bioelectricity production and bioremediation of organic waste. Her research thus far has resulted in a book chapter, 9 first-authored and 15 co-authored in impactful journals including Nature Nanotechnology, ACS Applied Materials & Interfaces, Nano Research, Advanced Materials Technologies, Joule and Nanoscale. It has also been featured in several press releases (i.e., EPFL home page, C&EN, PhysicsWorld, Phys.org, Science Times, Focus, and Daily Mail).