

Federico Bertoglio was awarded a master degree in Molecular Biology and Genetics cum laude in 2015 from University of Pavia, Italy (Laurea Magistralis held in English) under the supervision of Prof. Livia Visai. As part of the experimental thesis internship, he won an Erasmus Traineeship fellowship to spend six months at Technische Universität Braunschweig (Ger) in the laboratory of Prof. Dr. Michael Hust to learn antibody phage display technique. In 2016, thanks to a new Erasmus Traineeship fellowship and a fellowship from Interdipartemental Research Centre MADE (University of Pavia), he was able to come back to Technische Universität Braunschweig (Ger) for other five months to strengthen the collaboration with the group of Prof. Hust and Prof. Magnus Höök, Institute of Biosciences and Technology, Texas A&M Health Science Centre, Houston, TX, USA. In 2016, he was admitted to the PhD school in Biomolecular Sciences and Biotechnologies at Scuola Universitaria Superiore IUSS, Pavia, with fellowship under the co-supervision of Proff. Ermanno Gherardi and Livia Visai. Thanks to a well established collaboration between Prof. Livia Visai and Prof Magnus Höök, Texas A&M Health Science Centre, Houston, Federico Bertoglio spent three months in Prof. Höök laboratory at the beginning of 2017, further reinforcing the collaboration between Italy, Germany and USA, working on the generated antibodies specific for Staphylococcus aureus surface proteins. Within Prof. Visai laboratory, besides general biochemistry and molecular biology techniques, he gained experience in testing antibacterial activity and cytocompatibility of biomaterials. The different projects he followed led to 3 published research articles, of which he is co-author (Pallavicini P et al., J Colloid Interface Sci. 2017; Yalcinkaya EE et al., Carbohydr Polym. 2017; Vercellino M et al., Nanomaterials (Basel). 2016).