

Miriam Colombo obtained her Master degree in 2008 in Medicinal Chemistry and Technology at the University of Milano with experimental thesis in the Nanobiotechnology and she made the PhD in Biology in 2012 at the University of Milano-Bicocca. In July-December 2010 she worked in the lab of prof. W. Parak, Marburg, Germany. In January 2009, she was awarded of a 12+24 months fellowship in the field of Medical Sciences. From September 2013 she is a Researcher in Clinical Biochemistry (BIO/12), at the Dep. Biotechnology and Bioscience of University of Milano-Bicocca.

**Research interests:**

Her current scientific research is aimed to development of nanoparticles for biochemical and biomedical applications. It concerns the conception of new systems for drug delivery and targeting (colloidal and polymeric nanoparticles, nanoemulsions, prodrugs etc.). Her research interests focus on synthesis, characterization of colloidal nanoparticles and bio-functionalization using different approaches and different active bio-ligands for biomedical application mainly in the oncology field.

In order to support her research in new drug delivery nanosystems, in the past few years she have looked into new administration methods of nanoparticles rather than traditional intravenous ones, in particular oral and topic administrations.

**Scientific Publications:**

She is an author of 51 peer-reviewed scientific publications: 10 as first author and 6 as last author and she made 10 oral communications at international conference.