



Lorenzo Berti, Ph.D.

Clinical Interests My research is in the field of nanoscience and specifically in exploring the interactions between inorganic nanomaterials and biomolecules. By taking advantage of synthetic chemistry, bioconjugation and other biomolecular tools I am attempting to create new bionanomaterials with advanced properties.

My goal is to develop new synthetic strategies for creating multi-functional nanoparticles and to gain a better understanding on how nanomaterials interact with biomolecules. The methods and knowledge acquired through this research will possibly lead to next-generation diagnostic tools and therapeutic approaches for cancer and other diseases.

Title Assistant Research Chemist

Specialty Internal Medicine

Department Internal Medicine

Division Rheumatology, Allergy and Clinical Immunology

Clinic UC Davis Cancer Center

Languages Italian

Education Ph.D., University of Bologna, Bologna, 2000
B.S., University of Bologna, Bologna, 1995

Professional Memberships American Chemical Society

Select Recent Publications Berti, L., D'Agostino, P.S., Boeneman, K., Medintz, LL. Improved Peptidyl Linkers for Self-Assembling Semiconductor Quantum Dot Bioconjugates, (2009), *Nano Res.*, 2, 121-129.

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