

Fabio Gallazzi
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Personal Statement

My research expertise and interests deal with design, preparation, characterization and optimization of peptides and peptidomimetics modified from the natural sequence in order to meet their biomedical expectations. The number and variety of biomolecules I have synthesized and characterized allow me to play a pivotal role in multiple research projects. My contributions are reflected in a wide variety of published works as seen in the link below.

<http://www.ncbi.nlm.nih.gov/sites/myncbi/119Qz9wDptlAF/bibliography/48134315/public/?sort=date&direction=ascending>

Technical Expertise

- Manual and automatic Solid Phase Peptide Synthesis: Many thousands of biopolymers prepared in over 20 years of experience including combinatorial and parallel libraries, Peptide Nucleic Acids, cyclic peptides, MAP's and many others
- Optimization of constructs (peptides and peptidomimetics) for nanoparticle conjugation
- Examples of peptide and peptidomimetic conjugation: with near IR dye (for cancer research) or with hydrophobic tails (for peptides based mycelles preparation)
- Extensive experience in the use of automatic instrumentations for parallel peptide synthesis and analysis
- Currently using and maintaining multiple peptide synthesizers, an analytical and a preparative HPLC. coupled to Mass spectroscopy for the preparation, purification and characterization of all compounds of interest
- Computer analysis of data
- Project cost analysis
- Experience working with graduate students and colleagues in the graduate classroom and in the laboratory on theoretical and hand-on procedures for peptide synthesis and analysis
- Collegial collaborations with researchers and scientists involved in interdisciplinary projects for design and optimization of molecules for a variety of research purposes

Education

- 1996 **University of Milan** Postgraduate Diploma in Biotechnological Applications (corresponds to a U.S. PhD) Summa cum Laude
- 1993 **University of Milan** Degree in Chemistry (corresponding to a U.S. Master's degree)

Positions and Honors

- 2005-Current **University of Missouri** Assistant Research Professor and Associate Director of Molecular Interactions Core
- 2014 **United States of America** Attained citizenship
- 2002-2005 **University of Missouri** Research Associate position with the responsibility of a peptide core.
- 2000-2002 **University of Missouri** Post Doctorate contract for the establishment of a solid phase synthesis facility
- 1998-2000 **Imi Tami (ICL)** Post doctoral contract for the operative responsibility of the multiple automated SPPS in a major Israeli company
- 1994-1997 **Hoffmann La Roche** Contract for the operative responsibility of a peptide synthesis laboratory fully integrated in the biomedical research centre in Milan, Italy