

**Doctoral Researcher Applicant**

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PERSONAL PROFILE

**Technical skills** – One year experience with multi-step organic synthesis, peptides and peptide-derivate synthesis.

- Synthetic methods: solution-phase synthesis, solid-phase synthesis and microwaves-assisted synthesis. Functionalization of Zeolite nanoparticles
- Analytical characterizations: FT-IR, HPLC-MS, 1D- and 2D- NMR.
- Purification techniques: Flash chromatography, RP-HPLC, SEC

**Languages** – English (Full working proficiency), Italian (Native), Spanish (fluent).

**IT skills** – Processing and analysis software: MestReNova. Complete packages for chemistry and biological applications: ChemOffice. Excellent working knowledge of IT software: Microsoft suite, email, Internet, etc..

**About me** - I have worked in various interdisciplinary research groups (Italy and Germany) with people of different nationalities. During my traineeship research I have been an active member of International students' groups to organize events and trips. I have participated to conferences and talks. I have also been member of the Italian Chemical Society (SCI) in the Organic Chemistry division.

EDUCATION

- **University of Bologna, School of Science –Italy** **Sep 2012-Mar 2015**
  - **M. Sc. Chemistry - Methodologies of Synthesis and Bioorganic Chemistry** (Score: 107/110)
- **University of Pisa –Italy** **Sep 2007-Apr 2012**
  - **Bachelor of Science in Chemistry – Molecular Chemistry** (Score: 100/110)
- **Istituto Tecnico “E. Santoni”, Pisa -Italy** **Sep 2003-Jul 2007**
  - **High School Diploma (Scientific studies)** (Score: 100/100)

WORKING EXPERIENCE

- **Bielefeld University (Germany) Dept. of Chemistry** **Jun 2015-Nov 2015**  
**School of Science postgraduate grant -Research Traineeship** advised by Prof. Dr. Norbert Sewald  
Theme: *“Synthesis of RGD homing devices and conjugation with toxin cryptophycine-55”*.
- **University of Bologna (Italy) Dept. of Chemistry** **Jun 2014-Jan 2015**  
**M. Sc. Research Internship** advised by Prof. L. Gentilucci  
Thesis: *“Synthesis of integrin ligands and functionalization of zeolite crystals for therapeutic and diagnostic applications”*.
- **University of Pisa (Italy) Dept. of Chemistry and Industrial Chemistry** **Sep 2011-Dec 2011**  
**Research Internship** advised by Dr. E. Ribechini  
Theme: *“Py(HDMS)-GC/MS on wooden samples belonging to neolithic age”*.

CONTRIBUTES TO INTERNATIONAL SCIENTIFIC CONFERENCES POSTER AND ORAL PRESENTATION

- **XIV Sigma-Aldrich Young Chemist Symposium**, 27<sup>th</sup>-29<sup>th</sup> October 2014, **Riccione**, Italy - Oral and poster presentation S.Baldo, A.Greco, L.Maggini, L.Gentilucci *Integrin-targeting zeolite nanoparticles functionalized with peptidomimetics as extracellular matrix models and theranostic agents*.
- **5<sup>th</sup> International CeBiTec Research Conference, Drugs conjugates for directed therapy**, 20<sup>th</sup>-23<sup>th</sup> September 2015, **Bielefeld**, Germany - Poster presentation S.Baldo, R.D.Marco, S.Spampinato, L.Gentilucci *Constrained peptidomimetics containing a hybrid  $\alpha/\beta$  dipeptide scaffold, used to synthesize integrin antagonist*.
- **Synthesis and biomedical applications of tumor-targeting peptidomimetics**, 14<sup>th</sup>-16<sup>th</sup> February 2016, **Bologna**, Italy.

REFERENCES

Prof. Dr. Norbert Sewald  
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Prof. Luca Gentilucci  
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Dr. Erika Ribechini  
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