

CURRICULUM VITAE: Dr. Silvia Gazzola

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NATIONALITY: Italian

DATE OF BIRTH: 15.03.1988

PLACE OF BIRTH: Gallarate (VA), Italy



JOB EXPERIENCE

01/2018-today

RTD-A (researcher type A) Insubria University, Como, Italy.

01/2017-12/2017

CTI - post-doc fellowship – ZHAW University, Wädenswil, Kanton Zurich, Switzerland.

Supervisor: Dr. Rainer Riedl, Dr. Mike Adams (Bacoba's company)

Project title: "**Development of a new drug for Leishmaniasis**"

01/2016-12/2016

1 year Marie-Curie post-doc fellowship "ECHONET PROJECT" – Bayer CropScience AG, Frankfurt Am Main, Germany.

Supervisor: Dr. Stephen Lindell, Dr. Harald Jakobi

Project title 1: "**Novel Mg-based Approach for the Regioselective Functionalization of Purine Derivatives**"

Project title 2: "**Lead finding and optimization project for agrochemicals compounds**"

EDUCATIONAL BACKGROUND

10/2012 - 02/2016

PhD student in the group of Professor G. Brogginì

Università dell'Insubria, Como, Italy

Thesis title: "**Natural products as leads for the synthesis of new anticancer compounds**"

Foreign periods:

- 09/2013-03/2014: Research project in the group of Assistant Professor M. Tosin, *University of Warwick, Coventry, United Kingdom*

Project title: "**Novel chain termination probes for the investigation of polyketide biosynthesis in vivo**"

- 05/2014-07/2014: Research project in the group of professors J. Bosch and M. Amat, *Universidad de Barcelona, Facultad de Farmacia, Barcelona, Spain*

Project title: "**Investigation of spiro-oxindoles formation by selective bromuration of indole-derivatives**"

10/2010 - 10/2012

Master's degree in Chemistry with **110/110 cum laude**

Title: "**Intramolecular hydroamination of allenes catalyzed by transition metal complexes for the synthesis of vinyl-substituted heterocycles**"

10/2007 - 10/2012

Bachelor's degree in Chemistry and Industrial Chemistry with **110/110 cum laude**

Title: "**Imidazole functionalization as intermediates in medicinal chemistry**"

09/2003 - 04/2007

Undergraduate studies in Chemistry, Diploma: 90/100

ITIS C. Facchinetti, *Busto Arsizio (Va), Italy*

EXPERIENCE AND POSITIONS OF RESPONSIBILITY DURING UNIVERSITY CAREER

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|-------------------|---|
| 02/2018-05/2018 | Teaching in laboratory of organic chemistry 1 course |
| 07/2015 -09/2015 | Teaching in practice exercise of organic chemistry 1 course |
| 2012 - 2013 | Assistant of organic chemistry laboratory courses |
| 2012 - 2014 | Supervisor of PhD student (2), master students (5) and bachelor theses (3) |
| 04/2010 - 10/2010 | Stage in the organic chemistry laboratory of Choris s.r.l., Gerenzano (VA), Italy The main tasks carried out: " Synthesis of pharmaceutical impurities " |

SCIENTIFIC ACTIVITIES

LIST OF PUBLICATIONS

16 papers, including one co-first author in *Chem. Commun.*, one first author in *Eur. J. Org. Chem.*, one first author on *J. Org. Chem.* and one *Angew. Chem. Int. Ed.*. **See the attachment.**

CONFERENCE PARTICIPATION:

UGM & Conference 2017 Europe, May 16-19 2017, Copenhagen, Denmark

- **Symposium on Advances in Heterocyclic Organic Chemistry**, 1st-2nd September 2016, Sheffield, UK
- **IX School on Organometallic Chemistry "Marcial Moreno Mañas"**, 6-8 July, 2016, San Sebastian, Spain.
- **Medicinal Chemistry Residential School**, 21-26 June, 2015, Loughborough, UK
- **XXII edition of young researcher of SCT**, Paris, 2015
- **RSC Chemical Biology and Bio-Organic Chemistry Postgraduate Symposium**, University of Warwick, 2014
- **9th International School of Organometallic Chemistry**, Camerino, 2013
- **XV National Conference on pericyclic reactions and hetero/carbocyclic synthesis**, Perugia, 2013
- **XXVII edition of new orientation in the organic synthesis studies**, Milano, 2012
- **XXXIV Organic Chemistry Division Conference of Italian Chemist Society**, Pavia, 2012
- **COST Action CM1106, Chemical Approaches to Targeting Drug Resistance in Cancer Stem Cells**, Milano, 2012

CONFERENCE COMMUNICATION:

- Oral presentation: **Symposium on Advances in Heterocyclic Organic Chemistry**, 1st-2nd September 2016, Sheffield, UK – Gazzola S., Gordon M., Lindell S., Jakobi H. – "**Novel Mg-based approach for the regioselective functionalization of purine derivatives**"
- Poster communication: Medicinal Chemistry Residential School, 21-26 June, 2015, Loughborough, UK - Gazzola S., Broggin G., Calogero F., Christodoulou M. S., Passarella D. - "**Gram scale racemic preparation and enantioselective synthesis of Boehmeriasin A: a new topoisomerase and SIRT2 inhibitor**"
- Poster communication: RSC Chemical Biology and Bio-Organic Chemistry Postgraduate Symposium, University of Warwick, 2014 - Gazzola S., Parascandolo J. P., Riva E., Wilkening I., Tosin M. - "**Novel chain termination probes for the investigation of polyketide biosynthesis in vivo**"

Poster communication: 9th International School of Organometallic Chemistry, Camerino, 2013 - Gazzola S., Broggin G., Brusa F., Pangher E. - "**Copper-mediated intramolecular alkoxychlorination of alkynes as a route to chloroalkylidene-substituted heterocycles**"

Oral presentation: XV National Conference on pericyclic reactions and hetero/carbocyclies synthesis, Perugia, 2013 - Gazzola S., Broggin G., Brusa F., Mazza A. "**Intramolecular hydroamination of allenes catalyzed by transition metal complexes for the synthesis of vinyl-substituted heterocycles**"

Oral communication: XXVII edition of new orientation in organic synthesis studies, Milano, 2012 - Gazzola S., Broggin G., Fasana A. - "**Intramolecular hydroamination of allenes catalyzed by transition metal complexes for the synthesis of vinyl-substituted heterocycles**"

Poster communication: XXXIV Organic Chemistry Division Conference of Italian Chemist Society, Pavia, 2012 - Fasana A., Broggin G., Gazzola S. - "**Efficient synthesis of heterocycles by intramolecular ruthenium-catalyzed hydroamination reactions**"

Poster communication: 13th RSC-SCI Joint Meeting on Heterocyclic Chemistry, Catania, 2012 - Fasana, A.; Broggin, G., Gazzola, S. - "**Ruthenium-catalyzed intramolecular *exo*-allylic hydroamination of aminoallenes as a route to vinyl-substituted heterocycles**"

AWARDS

XXVII edition of new orientation in organic synthesis studies, Milano, 2012 - "**GIC award – Master's degree thesis 2012**"

SKILLS & KNOWLEDGE

Software application: Microsoft Office, MestReNova, Chemdraw, Biovia draw, Photoshop

Techniques: NMR, HRMS, MS-MS, ISOLERA-biotage, HPLC, UPLC-MS, IR, polarimetry, Schlenk technique, peptide synthesizer.

LANGUAGES

English: Fluent

Spanish: Fluent

German: Level A1.2

Italian: mother tongue

HOBBIES

Sport: Handball player for 15 years participating in the maximum level of Italian Championship.

Role: central, captain.