

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

Name **Salvatore Pacifico**
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Nationality **Italian**
Date of birth **29/08/1982**

WORK EXPERIENCE

- Dates **06/2014-to present**
- Name and address of employer **Modena University, Department of life Sciences**
- Type of business or sector **Medicinal Chemistry-Synthesis**
- Occupation or position held **Post-Doc Research Fellowship**
- Main activities and responsibilities **Drug development for neglected parasitic diseases**
- Dates **06/2013-05/2014**
- Name and address of employer **Ferrara University, Department of Chemical and Pharmaceutical Sciences**
- Type of business or sector **Organic and Medicinal Chemistry-Synthesis**
- Occupation or position held **Post-Doc Research Fellowship by the Laboratory Network - Tecnopolo Ferrara - LTTA**
- Main activities and responsibilities **Synthesis of heterodimers MOP / NOP agonists with analgesic activity. (Tutor: Prof. Severo Salvadori).
Collaboration with MBV Technologies S.r.l. (Modena, Italy), for the development of new mini-plants for raw or refined sugar production.**
- Dates **09/2011-05/2013**
- Name and address of employer **Ferrara University, Department of Organic Chemistry**
- Type of business or sector **Organic Chemistry-Synthesis**
- Occupation or position held **Principal Investigator of a project founded by FasTech S.r.l.**
- Main activities and responsibilities **Collaboration with FasTech S.r.l. for the evaluation of new heterogeneous catalysts in the ammoxidation of cyclohexanone to cyclohexanone oxime.**
- Dates **02/2011 – 08/2011**
- Name and address of employer **Ronzoni Institute (Institute for Chemical and Biochemical research)/Politecnico di Milano**
- Type of business or sector **Organic Chemistry-Synthesis**
- Occupation or position held **PhD student holder of a Fellowship by NIH**
- Main activities and responsibilities **Synthesis, characterization and biological evaluation of sulfate trimaltose C-C-linked dimers with heparanase and selectin inhibitory activity (Tutors: Dott. Gian Giacomo Torri and Prof. Elena Vismara)**
- Dates **01/2010 – 01/2011**
- Name and address of employer **Ferrara University, Department of Organic Chemistry**
- Type of business or sector **Organic Chemistry-Synthesis**

- Occupation or position held
- Main activities and responsibilities

Principal Investigator of a *project* founded by "Spinner 2013" (*business idea*)
 Synthesis of ionic liquids from carbohydrates resulting from the recycling of biomass

- Dates
- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

04/2009 – 09/2009
 Ferrara University, Department of Pharmaceutical Sciences
 Medicinal Chemistry-Synthesis
 Graduate student
 Synthesis of 7-Oxo-[1,4]oxazino[2,3,4-ij]quinoline-6-carboxamides as Selective CB2 Cannabinoid Full Agonists for the Potential Treatment of Neuropathic Pain (Tutor: Prof. Pier Giovanni Baraldi)

EDUCATION AND TRAINING

- Dates
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded

21/03/2013
 University of Ferrara
 Organic Synthesis and Reactivity
 PhD Degree in Organic Chemistry
 Thesis entitled: Synthesis of Glycopeptides by Thiol-ene/yne Couplings and Study on the Umpolung Reactivity of α -diketones (Tutor: Prof. Olga Bortolini)

- Date
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded

27/03/2009
 University of Ferrara
 Medicinal Chemistry
 Master Degree in Medicinal Chemistry
 Thesis entitled: Design and Synthesis of New 2-Heterocycl-yl-imidazo[2,1-i]purin-5-one Derivatives as Potent and Selective Human A₃ Adenosine Receptor Antagonists. (Tutor Prof. Pier Giovanni Baraldi)

TEACHING ACTIVITY

- Assistant laboratory technician for the course of "Laboratorio di Chimica Farmaceutica Applicata"
- Tutor of a thesis in Chemistry and Pharmaceutical Technology
- Professor of "Analisi Qualitativa del Farmaco" for the Pharmaceutical Chemistry and Technology Masters Degree Programme, University of Ferrara

PERSONAL SKILLS AND COMPETENCES

- Mother tongue
- Other languages
 - Reading skills
 - Writing skills
 - Verbal skills

Italian
 English: good
 English: good
 English: good

TECHNICAL SKILLS AND COMPETENCES

Organic Synthesis methodologies, Liquid phase synthesis, purification techniques, analytical characterization (IR, NMR, UV, Electrospray mass, MALDI-QTOF MS); Design and synthesis of pharmacologically active compounds; Lead compound optimization; Theoretical knowledge of the main pharmacological assays.

**OTHER SKILLS
AND COMPETENCES**

Certificate for the free profession of pharmacist

ORAL COMMUNICATIONS

- **Synthesis of S-glycosyl amino acids via photoinduced thiol-ene coupling.** XII meeting-school of carbohydrate chemistry, Pontignano (Si), 20-23 June 2010.

- **Reactivity of dialkyl and diaryl α -diketones with N-heterocyclic carbenes.**

XII Giornata di Chimica dell' Emilia Romagna, Congresso Società Chimica Italiana, Ferrara, 17 December 2012

POSTERS

- **Synthesis of S-glycosyl amino acids via photoinduced thiol-ene coupling.** **Pacifico, S;** Lo Conte, M.; Chambery, A.; Marra, A.; Dondoni, A. XII meeting-school of carbohydrate chemistry, Pontignano (Si), 20-23 June 2010.

- **Synthesis, structure and biological activity of sulfate trimaltose C-C-linked dimers.** Vismara E.; Valerio A.; Borsig L.; Vlodavsky I.; Naggi A.; **Pacifico S.;** Torri G. XXIV Congresso Nazionale della Società Chimica Italiana, Lecce, 11-16 Settembre 2011.

- **Reactivity of dialkyl and diaryl α -diketones with N-heterocyclic carbenes.** **Salvatore Pacifico,** Gloria Guidetti, Daniele Ragno, Alessandro Massi, and Olga Bortolini. XXV Congresso Nazionale della Società Chimica Italiana, Pavia, 10-14 Settembre 2012

PUBLICATIONS

- **Photoinduced Addition of Glycosyl Thiols to Alkynyl Peptides: Use of Free-Radical Thiol-Yne Coupling for Post-translational Bis-glycosylation of Peptides.** Lo Conte, M.; Pacifico, S.; Chambery, A.; Marra, A.; Dondoni, A. *J. Org. Chem.* **2010**, *75*, 4644-4647.
- **Synthesis of S-glycosyl amino acids and S-glycopeptides via photoinduced click thiol-ene coupling.** Fiore, M.; Lo Conte, M.; Pacifico, S.; Marra, A.; Dondoni, A. *Tetrahedron Letters*, **2011**, *52*, 444-447.
- **Thiazolium-Catalyzed Intermolecular Stetter Reaction of linear and cyclic alkyl α -diketones.** Olga Bortolini, Giancarlo Fantin, Marco Fogagnolo, Pier Paolo Giovannini, Alessandro Massi, and Salvatore Pacifico. *Organic & Biomolecular Chemistry*, **2011**, *9*(24), 8437-8444.
- **α -Diketones as acyl anion equivalents: a non-enzymatic thiamine-promoted route to aldehyde-ketone coupling in PEG400 as recyclable medium.** Giancarlo Fantin, Marco Fogagnolo, Pier Paolo Giovannini, Salvatore Pacifico, Valentina Venturi, Alessandro Massi, and Olga Bortolini. *Tetrahedron*, **2011**, *67*(42), 8110-8115.
- **Unexpected reactivity of diaryl α -diketones with thiazolium carbenes: discovery of a novel multicomponent reaction for the facile synthesis of 1,4-thiazin-3-ones.** Valerio Bertolasi, Olga Bortolini, Adelaide Donvito, Giancarlo Fantin, Marco Fogagnolo, Pier Paolo Giovannini, Alessandro Massi, and Salvatore Pacifico. *Org. Biomol. Chem.*, **2012**, *10*, 6579-86.
- **Thiazolium-Functionalized Polystyrene Monolithic Microreactors for Continuous-Flow Umpolung Catalysis.** Olga Bortolini, Alberto Cavazzini, Paolo Dambruoso, Pier Paolo Giovannini, Lorenzo Caciolli, Alessandro Massi, Salvatore Pacifico and Daniele Ragno. *Green Chem.*, **2013**, *15*, 2981-2992.
- **Methylsulfinyl (Dimsyl) Anion as Umpolung Catalyst for the Chemoselective Cross Benzoin Reaction of α -Diketones with Aldehydes.** Olga Bortolini, Giancarlo Fantin, Valeria Ferretti, Marco Fogagnolo, Pier Paolo Giovannini, Alessandro Massi, Salvatore Pacifico and Daniele Ragno *Adv. Synth. Catal.* **2013**, *355*, 3244 – 3252
- **One-pot, two-step desymmetrization of symmetrical benzils catalyzed by the methylsulfinyl (dimsyl) anion.** Daniele Ragno, Olga Bortolini, *Pier Paolo Giovannini, Alessandro Massi, * Salvatore Pacifico

and Anna Zaghi. *Org. Biomol. Chem.*, **2014**, *12*, 5733.

- **In vitro and in vivo pharmacological characterization of aneuropeptide S tetrabranched derivative.** Chiara Ruzza, Anna Rizzi, Davide Malfacini, Alice Pulga, Salvatore Pacifico, Severo Salvadori, Claudio Trapella, Rainer K. Reinscheid, Girolamo Calo & Remo Guerrini. *Pharma Res Per*, *3(1)*, **2015**, doi: 10.1002/prp2.108
- **Structure activity studies of nociceptin/orphanin FQ(1–13)-NH₂ derivatives modified in position 5.** Remo Guerrini, Erika Marzola, Claudio Trapella, Salvatore Pacifico, Maria Camilla Cerlesi, Davide Malfacini, Federica Ferrari, Mark Francis Bird, David George Lambert, Severo Salvadori, Girolamo Calo. *Bioorganic & Medicinal Chemistry* **23** (2015) 1515–1520.

Il sottoscritto acconsente, ai sensi del D.Lgs. 30/06/2003 n.196, al trattamento dei propri dati personali.

Il sottoscritto acconsente alla pubblicazione del presente curriculum vitae sul sito dell'Università di Ferrara.

