

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

Name **Salvatore Pacifico**
Telephone [REDACTED]
E-mail [REDACTED]
Nationality Italian
Date of birth 29/08/1982

WORK EXPERIENCE

- Dates **01/07/2014-31/06/2015**
- Name and address of employer Modena University, Department of Life Sciences
- Type of business or sector Organic and Medicinal Chemistry-Synthesis
- Occupation or position held Post-Doc Research Fellowship
- Main activities and responsibilities Drug development for neglected parasitic diseases
- Dates **01/06/2013-31/05/2014**
- 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. SeveroSalvadori).
Collaboration with MBV Technologies S.r.l. (Modena, Italy), for the development of new mini-plants for raw or refined sugar production.
- Dates **01/12/2012-31/05/2013**
- 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 ammoximation of cyclohexanone to ciclohexanoneoxime.
- Dates **05/02/2011 – 05/08/2011**
- 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. GianGiacomo Torri and Prof. Elena Vismara)
- Dates **28/09/2009 – 27/09/2010**
- 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 "Spinner 2013" (*business idea*)

• Main activities and responsibilities

Synthesis of ionic liquids from carbohydrates resulting from the recycling of biomass

• Dates

01/04/2009 – 01/09/2009

• Name and address of employer

Ferrara University, Department of Pharmaceutical Sciences

• Type of business or sector

Medicinal Chemistry-Synthesis

• Occupation or position held

Graduate student

• Main activities and responsibilities

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

21/03/2013

• Name and type of organisation providing education and training

University of Ferrara

• Principal subjects/occupational skills covered

Organic Synthesis and Reactivity

• Title of qualification awarded

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

27/03/2009

• Name and type of organisation providing education and training

University of Ferrara

• Principal subjects/occupational skills covered

Medicinal Chemistry

• Title of qualification awarded

Master Degree in Medicinal Chemistry

Thesis entitled: Design and Synthesis of New 2-Heterocyclyl-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

Italian

Other languages

• Reading skills

English: good

• Writing skills

English: good

• Verbal skills

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 Dambrosio, 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
- **Practical Two-Step Desymmetrization of Benzils Catalyzed by the Methylsulfinyl (Dimsyl) Anion.** Olga Bortolini, Pier Paolo Giovannini, Alessandro Massi,* Salvatore Pacifico, Daniele Ragno and Anna Zaghi *Org. Biomol. Chem.*, **2014**, ASAP.

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.

