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| European  curriculum vitae  format  11 |

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| Personal information |

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| Name |  | **Salvatore Pacifico** |
| Telephone |  | **0039-3281831580** |
| E-mail |  | **salvatore.pacifico@unife.it** |

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| Nationality |  | Italian |

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| Date of birth |  | 29/08/1982 |

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| Work experience |
| **•** Dates |  | 06/2013-to present |
| **•** 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-Doctor Research Fellow holder of a Fellowship by Tecnopolo. |
| **•** Main activities and responsibilities |  | Study of synthesis of NOP/MOP agonists. (Tutors: Dott. Remo Guerrini and Dott. Claudio Trapella) |

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| **•** 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 |  | PhD student holder of a Fellowship by FasTech s.r.l. |
| **•** Main activities and responsibilities |  | Study of the Capability of Dialkyl and Diaryl α-Diketones to Undergo Reversal Polarity Under NHC Catalysis. (Tutors: Dott. Alessandro Massi and Prof. Olga Bortolini) |
| **•** Dates |  | 02/2011 – 08/2011 |
| **•** Name and address of employer |  | Ronzoni Institute(Institue 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 Ronzoni institute |
| **•** Main activities and responsibilities |  | Synthesis, characterization and biological evaluation of sulfate trimaltose c-c-linked dimers endowed with heparanase and selectin inibitory activity. (Tutors: Prof. Elena Vismara and Dott. Giangiacomo Torri) |
| **•** 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 |  | PhD student holder of a Fellowship founded by “Spinner 2013” |
| **•** Main activities and responsibilities |  | Synthesis of ionic liquids from natural substances and glycosilation of amino acids, peptides and macromolecules by photoinduced reaction (Tutors: Prof. Alberto Marra and Prof. Alessandro Dondoni) |
| **•** Dates |  | 04/2009 – 09/2009 |
| **•** Name and address of employer |  | Ferrara University, Depatment of Phamaceutical 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) |

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| Education and training |

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| • 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 |
| • Date |  | 27/03/2009 |
| • Name and type of organisation providing education and training |  | University of Ferrara |
| • Principal subjects/occupational  skills covered |  | Experimental 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) |
| • Title of qualification awarded |  | Master Degree in Medicinal Chemistry |
| Personal skills  and competences  . |

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| Mother tongue |  | **Italian** |

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| Other languages |

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| **•** Reading skills |  | English: good |
| **•** Writing skills |  | English: good |
| **•** Verbal skills |  | English: good |

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| Didactic Activities |  | Assistance to the laboratories of organic chemistry and medicinal chemistry.  Supervisor of Masters students in Ferrara |

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

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| Other skills  and competences |  | Certificate for the free profession of pharmacist |

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| Oral comunications |  | * **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 alpha-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.* **In press**. |