

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Giancarlo Fabrizi**

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Nationality Italian

Date of birth 15.04.1963

Gender Male

Occupational field

Accademy

Work experience

Dates 2001. Associate Professor in Organic Chemistry at La Sapienza University of Rome
1994. Researcher in Organic Chemistry at La Sapienza University of Rome
1990. Researcher in Inorganic Chemistry Organic Chemistry at L'Aquila University

Occupation or position held Associate Professor at Pharmacy and Medicine Faculty at La Sapienza University of Rome

Main activities and responsibilities Teaching of Organic Chemistry at Pharmacy and Medicine Faculty.

Name and address of employer La Sapienza University of Rome – Piazzale Aldo Moro, 5 – 00198 - Rome

Sector Organic Chemistry

Education and training

Dates 1987

Title of qualification awarded Degree in Pharmaceutical Chemistry

Name and type of organisation providing education and training La Sapienza University of Rome

1981
High school
Liceo Classico Giulio Cesare of Rome

Personal skills and competences

Organometallic synthesis, NMR, MS, HPLC

Mother tongue(s)

Italian

Other language(s)

Self-assessment
European level ()*

Language
Language

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B1	English	B1	English	A2	English	A2	English	A1	English
B2	French	B2	French	B2	French	B2	French	B1	French

Additional information	
Receiving	Monday, 16:00-18:00
Annexes	
Scientific Publication	<ol style="list-style-type: none"> 1) G. Battistuzzi, S. Cacchi, I. De Salve, G. Fabrizi, L. M. Parisi. "Synthesis of Coumarins in a Molten Bu_4NOAc/Bu_4NBr Mixture through a Domino Heck Reaction/Cyclization Process." <i>Advanced Synthesis & Catalysis</i> 2005, 347, 308-312. 2) M. Ahlquist, G. Fabrizi, S. Cacchi, P-O Norrby. "Palladium(0) alkyne complexes as active species: a DFT investigation." <i>Chemical Communications</i> 2005, 33, 4196-4198. 3) S. Cacchi, G. Fabrizi "Synthesis and functionalization of indoles through palladium-catalyzed reactions." <i>Chem Rev</i> 2005, 105, 2873-2920. 4) A. Arcadi, S. Cacchi, G. Fabrizi, F. Marinelli, L. M. Parisi "The Palladium-Catalyzed Reaction of o-Alkynyltrifluoroacetanilides with 1-Bromoalkynes. An Approach to 2-Substituted 3-Alkynylindoles and 2-Substituted 3-Acylindoles" <i>J. Org. Chem</i> 2005, 70, 6213-6217. 5) S. Cacchi, Fabrizi G. A. Goggiamani, E. Licandro, S. Maiorana, D. Perdicchia "Synthesis of <i>N,N</i>-Dialkyl-<i>N'</i>-arylhydrazines via Palladium-Catalyzed N-Arylation by Using <i>N,N</i>-Dialkylhydrazines/$2LiCl$ Adducts." <i>Org. Lett</i> 2005, 7, 1497-1500. 6) S. Cacchi, G. Fabrizi, A. Goggiamani. "2,3-disubstituted indoles through the palladium-catalyzed reaction of aryl chlorides with o-alkynyltrifluoroacetanilides." <i>Advanced Synthesis & Catalysis</i> 2006, 348, 1301-1305. 7) M. Ahlquist, G. Fabrizi, S. Cacchi, P-O Norrby "The Mechanism of Phosphine Free Palladium Catalyzed Hydroarylation of Alkynes." <i>J. Am. Chem. Soc.</i> 2006 128, 12785-12793. 8) I. Ambrogio, S. Cacchi, G. Fabrizi. "Palladium-Catalyzed Synthesis of 2-(Aminomethyl)indoles from Ethyl 3-(o-Trifluoroacetamidophenyl)-1-propargyl Carbonate." <i>Org Lett</i> 2006, 8, 2083-2086. 9) G. Battistuzzi, R. Bernini, S. Cacchi, I. De Salve, G. Fabrizi "4-aryl-2-quinolones through a pseudo-domino Heck/Buchwald-Hartwig reaction in a molten tetrabutylammonium acetate/tetrabutylammonium bromide mixture." <i>Advanced Synthesis & Catalysis</i> 2007, 349, 297-302. 10) S. Cacchi; G. Fabrizi, A. Goggiamani, S. Sgalla "Palladium-catalyzed N-arylation of <i>N,N</i>-Dialkylhydrazines with aryl chlorides." <i>Advanced Synthesis & Catalysis</i> 2007, 349, 453-458. 11) R. Bernini; S. Cacchi; G. Fabrizi; G. Forte, S. Niembro, F. Petrucci, R. Pleixats, A. Prastaro, R. M. Sebastian, R. Soler, M. Tristany, A. Vallriberab "Phosphine-Free Perfluoro-Tagged Palladium Nanoparticles Supported on Fluorous Silica Gel: Application to the Heck Reaction." <i>Org Lett</i> 2008, 10, 561-564. 12) S. Cacchi; G. Fabrizi; A. Goggiamani, D. Persiani, "Palladium-Catalyzed Hydroarylation of Alkynes with Arenediazonium Salts." <i>Org Lett</i> 2008, 10, 1597-1600. 13) S. Cacchi; G. Fabrizi; E. Filisti. "N-propargyl-β-enaminones: common intermediates for the synthesis of polysubstituted pyrroles and pyridines." <i>Org Lett</i> 2008, 10, 2629-2632. 14) S. Cacchi; G. Fabrizi; E. Filisti. "2-Arylhydroxytyrosol-Derivatives via Suzuki-Miyaura Cross-Coupling." <i>Org Lett</i> 2008, 3457-3460. 15) I. Ambrogio, G. Fabrizi, S. Cacchi, S. T. Henriksen, P. Fristrup, D. Tanner, Per-Ola Norrby. "Unusual selectivity-determining factors in the phosphine-free Heck arylation of allyl ethers." <i>Organometallic</i> 2008, 27, 3187-3195. 16) R. Bernini, S. Cacchi, G. Fabrizi, G. Forte, F. Petrucci, A. Prastaro, S. Niembro, A. Shafir, A. Vallribera. "Alkynylation of aryl halides with perfluoro-tagged palladium nanoparticles immobilized on silica gel under aerobic, copper- and phosphine-free conditions in water". <i>Organic & Biomolecular Chemistry</i> 2009, 2270-2273. 17) R. Bernini, S. Cacchi, G. Fabrizi, Sferazza. "Copper-Catalyzed C-C Bond Formation via C-H Functionalization: Synthesis of Multisubstituted Indoles from <i>N</i>-(Aryl)enaminones". <i>Angew. Chem.</i> 2009, 48 8078-8081 18) A. Prastaro, P. Ceci, E. Chiancone, A. Boffi, R. Cirilli, M. Colone, G. Fabrizi, A. Stringaro, S. Cacchi. "Suzuki-Miyaura cross-coupling catalyzed by protein-stabilized palladium nanoparticles under aerobic conditions in water: application to a one-pot chemoenzymatic enantioselective synthesis of chiral biaryl alcohols". <i>Green Chem</i> 2009, 11, 1929-1932. 19) S. Cacchi, R. Cirilli, G. Fabrizi, S., A. Macone, A. Bonamore, A. Boffi. "(<i>R</i>)-1-Arylethanols from aryl iodides through a two-step one-pot enantioselective chemoenzymatic process". <i>J. Mol. Catal. B: Enzym.</i> 2009, 61 184-187. 20) R. Bernini, S. Cacchi, G. Fabrizi, G. Forte, F. Petrucci, A. Prastaro, S. Niembro, A. Shafir, A. Vallribera. "Perfluoro-tagged phosphine-free palladium nanoparticles supported on silica gel: application to alkynylation of aryl halides, Suzuki-Miyaura cross-coupling, and Heck reactions under aerobic conditions". <i>Green Chem.</i> 2010, 12, 150-158. 21) R. Bernini, E. Mincione, F. Crisante, M. Barontini, G. Fabrizi "A novel use of the recyclable polymer-supported IBX: an efficient chemoselective and regioselective oxidation of phenolic compounds. The case of hydroxytyrosol derivatives" <i>Tetrahedron Letters</i> 2009, 50, 1307-1310. 22) A. Prastaro, P. Ceci, E. Chiancone, A. Boffi, G. Fabrizi, S. Cacchi "Homocoupling of arylboronic acids and potassium aryltrifluoroborates catalyzed by protein-stabilized palladium nanoparticles under air in water" <i>Tetrahedron Letters</i> 2010, 51, 2550-2552. 23) L. Bagnoli, S. Cacchi, G. Fabrizi, A. Goggiamani, C. Scarponi, M. Tiecco "Diastereoselective Synthesis of Hexahydro-3<i>H</i>-pyrrolyzin-3-ones through Pd-Catalyzed Carboamination" <i>J. Org. Chem</i> 2010, 75, 2134-2137. 24) G. Fabrizi, A. Goggiamani, A. Sferazza, S. Cacchi "Sonogashira Cross-coupling of Arenediazonium Salts". <i>Angew. Chem</i> 2010, 4067-4070 25) S. Cacchi, G. Fabrizi, A. Goggiamani, A. Perboni, A. Sferazza, and P. Stabile "2,3-Disubstituted Indoles via Palladium-Catalyzed Reaction of 2-Alkynyltrifluoroacetanilides with Arenediazonium Tetrafluoroborates". <i>Org. Lett</i> 2010, 12(14), 3279-3281 26) M. Barontini, R. Bernini, F. Crisante, G. Fabrizi. "Selective and efficient oxidative modifications of flavonoids with 2-iodoxybenzoic acid (IBX)" <i>Tetrahedron</i> 2010, 66, 6047-6053. 27) R. Berrino, S. Cacchi, G. Fabrizi, A. Goggiamani and P. Stabile. "Arenediazonium tetrafluoroborates in palladium-catalyzed C-P bond-forming reactions. Synthesis of arylphosphonates, -phosphine oxides, and -phosphines". <i>Org. Biomol. Chem</i> 2010, 8, 4518-4520. 28) S. Cacchi, G. Fabrizi, A. Goggiamani, A. Sferazza. "Heck reaction of arenediazonium salts with <i>N,N</i>-diprotected allylamines. Synthesis of cinnamylamines and indoles". <i>Org. Biomol. Chem</i> 2011, 9, 1727-1730. 29) S. Cacchi, G. Fabrizi, A. Goggiamani. "Copper catalysis in the construction of indole and benzo[b]furan rings". <i>Org. Biomol. Chem</i> 2011, 9, 641-652. 30) S. Cacchi, G. Fabrizi. "Update 1 of: Synthesis and Functionalization of Indoles Through Palladium-Catalyzed Reactions". <i>Chem Rev</i> 2011, 105, 215-283.

Textbooks (Chapters, etc.)

S. Cacchi, G. Fabrizi. "Carbopalladation of Alkynes Followed by Trapping with Nucleophilic Reagents" in *Handbook of Organopalladium Chemistry for Organic Synthesis*, J. Wiley Sons.