

PERSONAL INFORMATION

Martina De Angelis

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EDUCATION AND TRAINING

October 2019-Marzo 2020

Lab2Go Project tutor/assignee of a working scholarship

Taught class; preparation, setting and assistance for laboratory experiences in high school

Sapienza, University of Rome

November 2017-April 2018

General chemistry laboratory assistant, Department of Chemistry/ assignee of a working scholarship

- Preparation of reagents for laboratory proofs
- Support to students during laboratory proofs

Sapienza, University of Rome

October 2017- December 2020

PhD in Chemistry (3 years)

Stereocontrolled total synthesis of iminosugars with potential therapeutic activity and their immobilization on inorganic nanomaterials for drug delivery applications'

Supervisor: Dr.ssa Giuliana Righi
Sapienza, University of Rome

July 2017

Master's Degree in Organic and Biomolecular Chemistry (2 years).

Grade: 110 /110 cum laude

Thesis Title: 'Study of the asymmetric aminohydroxylation reaction aimed at the synthesis of new iminosugars analogues'

Supervisor: Dott.ssa Giuliana Righi
Sapienza, University of Rome

- Organic synthesis. Total synthesis of potentially therapeutic analogue of natural products.
- Use of enantioselective and diastereoselective procedures.

December 2014

Bachelor's Degree in Chemistry (3 years).

Grade: 104/110

Thesis Title: 'Study on the synthesis of 1-deoxynojirimycin new analogues'

Supervisor: Dott.ssa Giuliana Righi

Sapienza, University of Rome

- Organic synthesis. Total synthesis of potentially therapeutic analogue of natural products.
- Use of enantioselective and diastereoselective procedures.

July 2011

Secondary education: Classical Lyceum (5 years)
Grade: 100/100

Liceo classico Luciano Manara, Roma

Professional Experience

2012 – 2019

Private tutoring for students

PERSONAL SKILLS

Mother tongue(s)

Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Produzione orale	Listening
English	B2	B2	B2	B2	B2

Digital competence

Competent with most Microsoft Office, ChemDraw and Mestre programmes

ADDITIONAL INFORMATIONS

Conferences

Oral Presentation

 XLIV "A. Corbella" International Summer School on Organic Synthesis - ISOS 2019, Gargnano 9-13 June 2019, M. De Angelis, S. Agostinelli, B. Centrella, G. Forte, L. Lanciotti, C. Lucarini A. Luciani, D. Odore, G. Righi, "Stereodivergent synthesis of piperidine iminosugars 1-deoxy-D-nojirimycin and 1-deoxy-D-altronojirimycin by using the asymmetric dihydroxylation reaction as key step"

Oral Presentation

Merck Young Chemists' Symposium 2019, Rimini 25-27 November 2019, Martina De Angelis, Agostinelli Sonia, Forte Giorgia, Lucarini Claudia, Sappino Carla and Giuliana Righi, "Stereocontrolled synthesis of pyrrolidine iminosugars through asymmetric dihydroxylation reaction"

Poster

 VII convegno giovani 'Gli orizzonti della chimica', Roma 2016; M. De Angelis, P. Bovicelli, G. Forte, D. Magnifico, O. Marini, A. Mastrodonato, G. Righi, C. Sappino, Sintesi stereocontrollata di imminozuccheri a scheletro pirrolidinico

Poster

Annual IBPM Meeting "Health, disease and environmental research: biology, tools and applications", CNR, Roma, 08/05/2018; Ricelli A., Righi G., Bonfantini V., Primitivo L., De Angelis M., Saso L., Incerpi S., Gionfra F., Bovicelli P. "Synthesis and antioxidant activity of tyrosol derivatives present in the residues of olive oil processing".

Poster

Annual IBPM Meeting "Health, disease and environmental research: biology, tools and applications", CNR, Rome, 08/05/2018; Righi G., De Angelis M., Primitivo L., Bovicelli P. "Stereocontrolled synthesis of pyrrolidine iminosugars".

Poster

12th Spanish-Italian Symposium on Organic Chemistry, Ferrara, 2-4 July 2018; De Angelis M., Agostinelli S., Forte G., Lucarini C., Righi G., Sappino C. "Stereocontrolled synthesis of pyrrolidine iminosugars through asymmetric dihydroxylation of optically active olefins"

Poster

XXXVIII Convegno Nazionale della Divisione di Chimica Organica della Società Chimica Italiana, CDCO, Milano 9-13 September 2018, De Angelis M., Ben Romdan I., Forte G., Petti A., Righi G. "Regio- and stereocontrol in asymmetric aminohydroxylation reaction on unsaturated azido alcohols"

Poster

XXII International Conference on Organic Chemistry, Firenze, 16-21 September 2018, De Angelis M., Lanciotti L., Lizzio F., Righi G., Sappino C., "Study of asymmetric aminohydroxylation reaction aimed at the synthesis of amino iminosugars"

Poster

XXXIX Convegno Nazionale della Divisione di Chimica Organica della Società Chimica Italiana, CDCO, Torino 8-12 September 2019, De Angelis Martina, Lanciotti Lucrezia, Lucarini Claudia, Forte Giorgia, Odore Davide, Ricelli Alessandra, Righi Giuliana "Stereocontrolled synthesis of pyrrolidine iminosugars' lipophilic derivatives".

Publications

Alessandra Ricelli, Martina De Angelis, Ludovica Primitivo, Carla Sappino, Roberto Antonioletti, Role of some food-grade synthesized flavonoids on the control of ochratoxin A in *Aspergillus carbonarius*, *Molecules* **2019**, *24*, 2553

Carla Sappino, Ludovica Primitivo, Martina De Angelis, Marzia Oneto Domenici, Andrea Mastrodonato, Ilaria Ben Romdan, Chiara Tatangelo, Lorenza Suber, Luciano Pilloni, Alessandra Ricelli, and Giuliana Righi, Functionalized Magnetic Nanoparticles as Catalysts for Enantioselective Henry Reaction, *ACS Omega* **2019**, *4*, 21809

Martina De Angelis, Ludovica Primitivo, Claudia Lucarini, Sonia Agostinelli, Carla Sappino, Alessandra Ricelli, Giuliana Righi, Stereocontrolled total synthesis of iminosugar 1,4-dideoxy-1,4-imino-D-iditol, *Carbohydrate Research* **2020**, 492, 108028

Carla Sappino, Ludovica Primitivo, Martina De Angelis, Francesco Righi, Federica Di Pietro, Marika Iannoni, Luciano Piloni, Stefano Vecchio Cipriotti, Lorenza Suber, Alessandra Ricelli and Giuliana Righi, Linear β -amino alcohol catalyst anchored on functionalized magnetite nanoparticles for enantioselective addition of dialkylzinc to aromatic aldehydes, *RSC Adv.*, **2020**, 10, 29688

Martina De Angelis, Carla Sappino, Emanuela Mandic', Marianna D'Alessio Maria Grazia De Dominicis, Sara Sannino, Ludovica Primitivo, Paolo Mencarelli; Alessandra Ricelli, Giuliana Righi, Stereodivergent synthesis of piperidine iminosugars 1-deoxy-D-nojirimycin and 1-deoxy-D-altronojirimycin, *Tetrahedron*, **2020** - *in press*

Alessandra Ricelli, Fabio Gionfra, Martina De Angelis, Ludovica Primitivo, Veronica Bonfantini, Roberto Antonioletti, Luciano Saso, Simonetta Bullitta, Sandra Incerpi, Jens Pedersen, Antioxidant and biological activities of hydroxytyrosol and homovanillic alcohol obtained from olive-mill wastewaters of extra-virgin olive oil production, *Journal of Agricultural and Food Chemistry*, **2020** - *in press*

Lorenza Suber, Luciano Piloni, Kshitij Khanna, Giuliana Righi, Ludovica Primitivo, Martina De Angelis, and Daniela Caschera, Fine-Tuning Synthesis of Fluorescent Silver Thiolate Nanoclusters, *Journal of Nanoscience and Nanotechnology*, **2021**, 21, 1