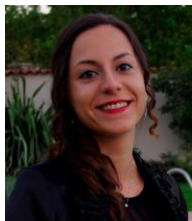


## PERSONAL INFORMATION



### Marilena Saviano

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 marilena.saviano@yahoo.it  
 [linkedin.com/in/marilena-saviano-52847a149](https://www.linkedin.com/in/marilena-saviano-52847a149)  
Sex Female | Date of birth 08/01/1992 | Nationality Italian

## PhD Student in Drug Discovery and Development, CHIM/09

## WORK EXPERIENCE

- 2018–Present **Representative of PhD Students**
- 10/2015–07/2017 **Experimental Research Internship in Microbiology, BIO/19**  
University of Salerno (Italy)  
Internship argument: Morphological analysis of *Candida albicans* using microscopy imaging techniques and MALDI-TOF mass-spectrometry, in physiological conditions and after fungus sirtuins inhibition with potential antifungal drugs having thiol malonyl ureidic structure.
- 09/11/2015–10/05/2016 **Pharmacy Intern**  
Pharmacy Iavarone snc, Comiziano (NA) (Italy)  
During my educational pharmacy internship I have acquired professional skills gaining experience in a variety of distributive roles, including the preparation of sterile products and extemporaneous compounding. Moreover I have developed interpersonal skills in relating to colleagues and patients and provide a high level of patient care services.

## EDUCATION AND TRAINING

- 01/11/2017–Present **PhD in Drug Discovery & Development** EQF level 8  
University of Salerno (Italy)  
CHIM/09  
Development of innovative 3D-printing technologies for the production of patient-tailored medicines
- 2010–2017 **Master of Pharmacy in Medicinal Chemistry and Pharmaceutical Technology** EQF level 7  
University of Salerno (Italy)  
Italian Degree LM-13
- 2005–2010 **Math and Science Academy (High School)**  
Liceo Scientifico Enrico Medi, Cicciano (NA) (Italy)

## PERSONAL SKILLS

Mother tongue(s) Italian

Foreign language(s)

| UNDERSTANDING | SPEAKING | WRITING |
|---------------|----------|---------|
|---------------|----------|---------|

## Curriculum vitae Marilena Saviano

|         | Listening  | Reading | Spoken interaction | Spoken production |    |
|---------|--|---------|--------------------|-------------------|----|
| English | B2   | B2      | B2                 | B2                | B2 |
|         | Level 1 Certificate in ESOL International, Grade 8, B2.2 of the CEFR, Trinity College London, 2009<br>Course Certificate General English, B2 Level, Waterford Institute of Technology, Ireland, 2008 |         |                    |                   |    |
| French  | A2   | A2      | A2                 | A2                | A2 |
|         | Academic study   |         |                    |                   |    |

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages

**Communication skills** Good communicator within the team, with the ability to communicate with people at all levels.

**Organisational / managerial skills** Energetic and dependable with high attention to details. Driven, self-motivated and determined to set and achieve ambitious targets. Strong problem solving skills and ability to structure and simplify complex problems.

**Job-related skills** During my Pharmacy Internship I have acquired experience intended to provide a comprehensive exposure to hospital and health system pharmacy practice, enhancing my clinical, managerial and leadership skills.

During my research period as PhD student I focused on pharmaceutical and technological studies, deepening:

- **Hot Melt Extrusion** of polymers;
- **Digital Modeling** with CAD and CAM software ;
- 3D Printing with **FDM technology** (Fused-Deposition-Modeling 3D-printing);
- **FT-IR spectroscopy**;
- Thermal analysis with **DSC** (Differential Scanning Calorimetry);
- Morphological analysis with **SEM** Scanning Electron Microscopy;
- Size distribution profiling with **Laser Light Scattering**;
- **HPLC** and **UHPLC**;
- **Dissolution tests** with USP Apparatus 1, 2 and 4;
- In vitro measurement of skin absorption using **Franz Cells**.

During my Experimental Research in Microbiology I used molecular biology techniques and mass-spectrometry technologies.

I have learned how to apply:

- Microbiological and eukaryotic **cells cultivation techniques**;
- Blotting techniques** (Western Blot, Northern Blot, Southern Blot);
- Bacterial transformation** with plasmidic DNA and recombinant protein expression;
- DNA extraction**;
- FPLC** (fast protein liquid chromatography);
- Dialysis**;
- TLC** (thin layer chromatography);
- Ion exchange chromatography**;
- Affinity chromatography**;
- SDS-PAGE** (Sodium Dodecyl Sulphate - PolyAcrylamide Gel Electrophoresis);
- PCR** (Polymerase Chain Reaction);
- RT-PCR** (Reverse transcriptase-polymerase chain reaction);
- Antibiotic susceptibility testing**;
- Challenge test**;

**MS** (Mass Spectrometry);

**MALDI-TOF MS** (Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry).

I have had also different experiences in **preclinical research** on transgenic mice.

#### Digital skills

| SELF-ASSESSMENT        |                  |                  |                  |                  |
|------------------------|------------------|------------------|------------------|------------------|
| Information processing | Communication    | Content creation | Safety           | Problem solving  |
| Independent user       | Independent user | Independent user | Independent user | Independent user |

#### Digital skills - Self-assessment grid

Certification EIPASS 7 Moduli User - European Informatics Passport, Ei-Card EIC00003889IT, 2010

#### Driving licence

B

#### ADDITIONAL INFORMATION

##### Courses

3D printing of medicines and dietary supplements, Pharm Tech GazzaLaB, University of Milano, Pharmaceutical Sciences Department, 12-13 March 2018

Digital Modeling and 3D printing Course, 3DiTALY Napoli (NA), 11 November 2017

AKTA User Day, 2016

Trouble free chromatography, antibody purification, crossflow filtration (principles/optimization and synergy with the chromatographic steps).

First Aid Course, Italian Croce Rossa CRI, Salerno Local Committee, 2011

English Language Studies Course, Level Advanced, Aston University, Birmingham, 2009

EF Language Course, World Council for Language Teaching, C1 Level, Heythrop College, Oxford, 2007

##### Seminars

Thermal Analysis - Global Trade Analysis Project (GTAP) Mettler Toledo, Napoli 18 April 2018

Intellectual property and Patenting, University of Salerno, Technological Transfer, 24 January 2018

##### Presentations

Oral presentation: "Production of Hot Melt Extruded Poly(vinyl Alcohol)-Ciprofloxacin filaments for Fused Deposition Modeling-3D-Printing technology and personalized medicines", 18<sup>th</sup> School for Doctorate in Pharmaceutical Technology, Lake Como School of Advanced Studies, Innovation in local drug delivery, September 25-28, 2018

##### Honours and awards

Poster Award: "Development of innovative FDM-3D-printing technologies for the production of patient-tailored medicines", 12<sup>th</sup> A.It.U.N. Meeting, Bologna 10-11 May 2018