



Martina Carlini

Year of Graduation 2018

Regulatory Affairs Consultant  
Livanova

*«During my degree I had the chance to choose most of the exams to pick. This allowed me to discover and deepen my knowledge and interest for the biomedical sector. In fact, the strength of this degree course is that it gives the possibility to range over different fields of study while still maintaining the focus on materials.»*

Aldo Altomare

Year of Graduation 2018

PhD student, University of Groningen (NL)

Metal-Free, Light-Catalyzed synthesis of PVDF-based  
block copolymers



*«The degree courses in Macromolecular chemistry and Photochemistry were really useful in the context of my PhD programme. In addition to the compulsory courses, a good variety of optional courses gives students the opportunity to focus on what interests them most.»*



Mattia Capacci

Year of Graduation 2020

Sacmi Imola

Processing of cellulose materials for packaging

*“My education has always been centered around chemistry, from high school to my bachelor degree, and I chose Photochemistry and Molecular Materials to culminate it on a high note. This master degree will allow you to expand your knowledge around many areas of chemistry, ranging from electrochemistry to photochemistry, from polymers to lasers, allowing you to have a broad set of skills that is going to be useful in the future, especially in the work environment”*



Simone Vagni

Year of Graduation 2018

Head of Customer Contact Center BTC  
BASF Trade Chemicals, Italy

*“Living in an era where pure chemistry is looked upon with distrust, it is increasingly important to be able to combine chemical issues with real-world application contexts. The course provides a broad view of many branches of chemistry that are becoming increasingly important in the professional field. The use of advanced equipment and methodologies allows you to become familiar with the role of a chemist within a laboratory, whether it is a-pure-research lab or an industrial setting. In my work I continue to use many of the skills acquired during my years of study. I recommend the course to all those who have a great curiosity for chemistry (but not only...) and who want to understand how fascinating and useful electronic transitions can be...after all, Jablonsky diagrams are not so complex!”*



Simone Ranieri

Year of Graduation 2021

PhD student, Università Politecnica delle Marche

adsorbent materials for the removal of emerging pollutants from wastewater

*“My academic training took place entirely within the G. Ciamician, a structure of excellence that offers both high-level research and teaching. The knowledge imparted by the Master's degree in Photochemistry and Molecular Materials has enabled me to build an excellent foundation for the continuation of my career. I am very satisfied with the quality that this degree has offered me, all the knowledge I have learnt has proved to be very useful and has adequately prepared me for a job position that is not as easy as that of a researcher”*



Eugenio Giovannetti

Year of Graduation 2021

PhD student, Department of Chemistry «Giacomo Ciamician», University of Bologna

Smart luminescent materials: sensors for environmental and bio-analytical applications

*“The Master degree in Photochemistry is a very peculiar and exciting course, with a huge variety of topics to deep into: going from the «pure» photophysics to smart materials and their innovative applications; it is an excellent opportunity to move towards the field of the scientific research, in topics that are not commonplace”*

Fabiola Cit

Year of Graduation 2018

Key Account Manager University&Research  
Pollution Analytical Equipment



*«The transversality of the subjects addressed in the degree course in photochemistry provides an excellent preparation in different areas of materials chemistry, allowing to build a versatile academic profile. For this reason, graduates of this degree course can look for a job in different professional fields»*

Alberto Bianco

Year of Graduation 2020

PhD student, Department of Chemistry «Giacomo Ciamician»,  
University of Bologna

Molecular and hybrid systems for solar-to-chemical energy  
conversion



*“I choose this programme through my interest in solar energy conversion, the dream of Giacomo Ciamician himself and our urgent need. All courses of the programme, both mandatory and optional, deal with cutting-edge and ‘hot’ topics in every fields of chemistry, and all the Professors are able not only to teach notions but also to share ideas, observations and ways of thinking differently, things that are fundamental in scientific research as well as in all working context and in everyday life even. I really enjoyed attending this degree programme and I strongly recommend to all the interested students to take part to this wonderful and fulfilling experience”*



# Teo Lombardo

Year of Graduation 2018

Postdoctoral Researcher  
Justus Liebig University Giessen

*"This degree course allows to study and deepen various aspects of particular scientific/industrial interest, from the photochemical sector (solar panels, water splitting for hydrogen generation, synthetic photosynthesis, etc.) to new materials, their characterization and applications (polymeric materials, bio-inspired, molecular crystals, batteries/supercapacitors, etc.). Moreover, this course of study allows to practice both experimental and computational approaches, opening up for further job opportunities. This course has been fundamental to the research work I am pursuing in my PhD. I particularly recommend this degree program to young students interested in doing research and development (either in public or industrial/corporate settings) or with career goals in the areas of research listed above."*

Caterina Zuffa

Year of Graduation 2021

PhD student, Department of Chemistry «Giacomo Ciamician»,  
University of Bologna

Crystal engineering



*“It is a well-structured degree course that allows the student to move from the purely theoretical study of photochemistry to practical applications in the field of materials. Attending this master’s, I learned the basic of photochemistry and electrochemistry, very useful for my current research”*



Mariangela Rea

Year of Graduation 2021

PhD student, Department of Chemistry «Giacomo Ciamician»,  
University of Bologna

Biological estimate of safe packaging through 3D-bioprinted models

*“The master’s degree course in Photochemistry and Molecular Materials gave me the opportunity to study and deepen my knowledge in subjects such as biomaterials, photochemistry, physical chemistry, nanotechnologies, organic chemistry with a strong research-based approach. Professors were very clear and always available for questions and the course time-table will allow you to organize your exams with no much pressure. Finally, this course surely gave me the tools to face the activities and challenges of my current work”*

Claudio Ignazio Santo

Year of Graduation 2020

Research Fellow, Department of Chemistry «Giacomo Ciamician»,  
University of Bologna

Electrochemiluminescence for quantification of tumor markers



*“The course enables you to acquire skills that are exploitable in all areas of chemistry (materials, electronics, computational, etc.); the possibility of taking labs allows to acquire autonomy, safety and confidence. The didactic approach of many courses allows to understand how to cope with chemical research and how to approach new work or new fields of chemistry not yet explored. I am fully satisfied with the course, the professors, and the opportunities our department can offer.”*



Eleonora Balducci

Year of Graduation 2018

Process technologist– R&D group  
SACMI Imola

*"How much chemistry is there in a plastic bottle? And how much in the process of making a cap? in a laser? How many wheels does a molecular machine that runs on solar power have? If you are a curious student or if you want to understand how many different things a chemist can do, The Photochemistry and Molecular Materials degree program fits for you! Studying so many different disciplines is what I liked most about the course: it means creating an open and elastic mind, acquiring broad knowledge and skills and being able to use them in the most diverse areas. Knowing how to sketch and build a solution to an unfamiliar problem, taking advantage of the tools you have, is a quality that is highly valued in a firm and the Photochemistry degree program will teach you how to do that!"*

Matteo Guidetti

Year of Graduation 2021

Ph.D. student, Solvias AG (CH) - University of Southern Denmark  
(DK)

synthesis of cocrystals of poorly water-soluble drugs



*“I have always been interested in the solid state of matter and the Master’s degree in Photochemistry and Molecular materials gave me the opportunity to learn about the basics, applications and new discoveries in the area of molecular materials and devices (batteries, polymers, OLEDs..) and in the crystal engineering of organic molecules (my current field of research). The internship for the Master’s thesis trained me in the organization and design of a scientific research work”*

Andrea La Monaca

Year of Graduation 2016

PhD student in «Science of energy and materials» Centre d'excellence  
d'Hydro-Québec, Varennes, Canada

Nanostructured ceramic electrolytes for solid-state batteries



*«Choosing this course has allowed me to develop in-depth and transversal theoretical skills, and to acquire a correct experimental approach, crucial for scientific research. Thanks to the academic and corporate collaborations that are nourished within the Department of Chemistry "G. Ciamician", students have the chance of finding new job opportunities, other than study and research experiences at national and international level, making the post-graduate path easier.»*



Elisabetta Petri

Year of Graduation 2020

PhD Fellow, Department of Chemistry «Giacomo Ciamician», University of Bologna

Green components for high power energy storage devices

*«The degree course allowed me to deepen my knowledge in the field of materials, spectroscopy, supramolecular chemistry and electrochemistry. Thanks to the possibility of choosing most of the exams to pick, I was able to acquire interesting and useful skills that may come in handy in a future working career in companies (such as crystallography, polymeric materials, batteries, nanomedicine). The professors I met along my path have been very helpful and they are passionate about the subjects they teach.»*

# Margherita Animini

Year of Graduation 2016

Platforms & Labs Program Management Manager  
Datalogic srl



*"My experience is extremely positive and I would make this choice again. The professors are competent and helpful, and they are often also internationally-renowned scientists. It is a degree course that nurtures progress: you learn about the most advanced techniques and experiments in the field of nanotechnology, but you also receive solid knowledge on the mechanisms of interaction of electromagnetic radiation and matter, chemical modeling and polymeric materials. The notions learned can be applied in many fields, from medical, pharmaceutical, biotechnological, chemical-industrial, automotive and in many working realities: from research centers, to companies with strong R&D departments, to private analysis and research laboratories, up to companies dealing with consulting and technological innovation. Today I am a program manager in a world leading company in the production of barcode readers, sensors, vision systems and laser marking systems. The scientific approach to design, the understanding of results analysis and advanced technology issues that I consolidated through my Master's degree experience were a strong push for my successful interview and for obtaining the position I aspired to and help me to face my job successfully."*

Letizia Liccardo



Year of Graduation 2019

PhD student in Chemistry,  
DSMN University Ca' Foscari Venezia

Nanostructured materials for the photocatalytic degradation of pharmaceutical pollutants and dyes in wastewater

*"Photochemistry and Molecular Materials is a unique, challenging, and educational experience. I will always carry in my heart all the experiences and emotions lived during this beautiful path; from the meeting with the three Nobel Prize winners for Chemistry in 2016, to my graduate internship. I will forever thank the Professors who, with great professionalism, passion and humanity, accompanied me during these two unforgettable years."*

Francesca Tacchi

Year of Graduation 2019

Chemical analyst  
U-Series Srl



*“The wealth of knowledge I have acquired has allowed me to move easily in the labour market, I had no difficulty in obtaining an internship and later on an apprenticeship contract in the chemical field. The professors are all extremely available in helping students both during the academic period and after graduation, to interact with business realities.”*



Federico Modesti

Year of Graduation 2019

PhD student, BASF

Crystallization of organic semiconductors and fabrication of electronic devices

*"I highly recommend the course if you want to delve into the study of light-matter interaction and the properties of matter at the molecular level. The professors are prepared and internationally recognized, ensuring a cutting-edge training on the proposed topics. In addition, the dense network of national and international collaborations guarantees the possibility of doing theses or internships in Italy or abroad at research centers of excellence."*



Lorenzo Casimiro

Year of Graduation 2016

Post-doctoral fellow at 'École Normale Supérieure Paris-Saclay  
Cyclodextrin-based photostimulable nanotubes

*«I chose this course because I was interested in photochemistry and molecular machines, a field in which the University of Bologna still boasts many of the top exponents at the international level. The nature of the course allowed me to easily and flexibly orient myself towards complementary aspects of my research (physical chemistry, synthesis and properties of supra- and macro-molecular materials). Currently, the course is taught in English, offering the advantage of an international education, a fundamental requirement for any path to take after graduation.»*

Eleonora Chiodi

Year of Graduation 2016

Team Leader in HPLC analysis  
Neutron SPA Cotecna Group



*"During my bachelor's degree in biotechnology I developed a strong interest in biomaterials chemistry and nanotechnology. It was a really interesting degree course, I loved everything about polymers, macromolecules, biomimetic and biocompatible materials, I learned a lot of techniques for their characterization. Even now, in the laboratory where I work, I use instruments that I have had the opportunity to know in depth during the degree course (HPLC/UPLC systems with FL/PDA/UV-vis detection and spectrophotometers) and overall my knowledge of photochemistry is very useful".*



Simone Capponi

Year of Graduation 2021

Gruppo Ceramiche Concorde S.p.A

Product Development area of Atlas Concorde

*“I chose to take this course for the opportunity to study materials chemistry in depth, in the prestige of an international course. Thanks to that, I was able to learn about the main characterization techniques of materials, with particular regard to crystalline solids (XRD, electron microscopy, DSC, TGA, IR and Raman spectroscopy), which are fundamental in my daily R&D and QC work. In addition, the mastery of a technical vocabulary and the focus on technological innovation obtained have enabled me to obtain major assignments in my early career, such as Sustainability Manager in production development”*

Laura Contini

Year of Graduation 2022

PhD student, Department of Chemistry «Giacomo Ciamician»,  
University of Bologna



Crystal engineering of molecular materials for enzymatic activity  
inhibition and antimicrobial applications

*“The key feature of the Photochemistry and Molecular Materials master's degree is its interdisciplinarity, which provides a broad knowledge of many cutting-edge subjects, from solid-state chemistry to molecular machines, deepening both theoretical and practical aspects. Such topics are, however, well connected to each other by the common thread of providing a deep understanding of the properties of materials. Additionally, the wide variety of elective courses allows each student to tailor his degree to the topics he is more interested in”*

Maria Francesca Di Filippo

Year of Graduation 2018

Postdoctoral researcher, Department of Chemistry «Giacomo Ciamician»,  
University of Bologna

Bio-polymers for biomedical and cosmetic applications



*"I chose this course because it is the only one at the national level to focus on the study of photochemistry and nano-materials, dealing with cutting-edge topics such as artificial photosynthesis and molecular machines. My experience lived up to expectations and when I had to deal with other European realities I had the opportunity to appreciate the value of my preparation."*

Serena Tombolesi

Year of Graduation 2021

PhD student, Department of Chemistry «Giacomo Ciamician»,  
University of Bologna in collaboration with Solvay Solexis



*“During the master degree in Photochemistry I deepen my knowledge in inorganic chemistry, polymers, electrochemical systems and I also attended several optional classes, among which solid state and molecular engineering.*

*I learned a lot from each course, and above all, all the knowledge studied is now useful in my research work. Both classes and laboratory activities are well structured and useful to the learning”*

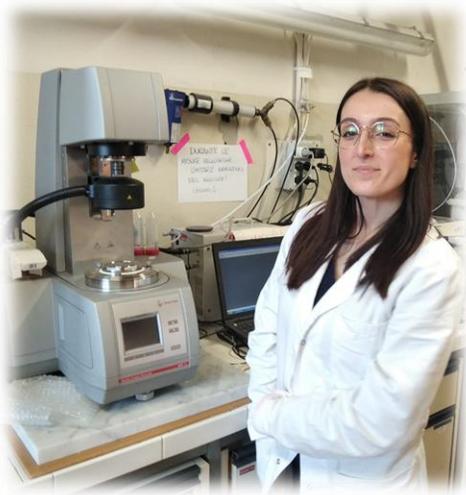


Giulia Rossi

Year of Graduation 2018

Process Engineer  
Livanova

*"The degree course allowed me to develop strong technical skills on property-structure relationship of materials. In parallel to the more technical aspects, the course allowed me to acquire solid methods of analysis and problem solving and to refine my logical and organizational skills. The chemical skills learned, combined with the scientific approach allowed me to build a solid and versatile know-how, which led me to specialize in process engineering in the biomedical sector."*



Giorgia Pagnotta

Year of Graduation 2018

R&D Sun Lenses Technical Project Manager  
EssilorLuxottica

*"The master's degree program is extremely interdisciplinary, it covers different subject areas which are well connected and harmonized with each other. I have acquired many transversal skills both practical and theoretical, I have had the opportunity to work in many laboratories (organic, polymer and photochemistry), learning to use advanced instrumentation and different analytical techniques and, thanks to the optional courses, I have been learning about the polymer sector in detail."*

Giuseppe Bagnara

Year of Graduation 2020

Tampieri Spa  
R&D Analytical Technician



*“The most important thing I learned from the course in Photochemistry and Molecular Materials is a method to inquiry the phenomena occurring around you, being physical or chemical. The course provided me with a great variety of tools to understand such processes, with areas of study varying from the investigation of the electronic structure and synthesis of organic semiconductors, to the mechanical characterization of polymers and the inner workings of a laser”*



Filippo Baroncelli

Year of Graduation 2021

PhD student, Department of Chemistry «Giacomo Ciamician», University of Bologna

Study and characterization of isolated-phase molecular systems by means of quantum-mechanical modeling and microwave spectroscopy in supersonic expansion

*“I thoroughly enjoyed this master's degree program because it allowed me to deepen my knowledge in the field of physical chemistry and apply it to practical issues. The degree program provides a high-level interdisciplinary education in the field of photochemistry and materials science, offering useful knowledge for both those who want a career in industry and those who prefer to remain in academia as a researcher”*



Vanessa Marola

Year of Graduation 2019

R&D Analytical Technician  
Lundbeck Pharmaceuticals Italy

*"This master's degree program has meant a great deal of involvement and satisfaction for me. This is surely because there is a great focus on aspects of chemistry that in other courses of study are treated only marginally (or not treated at all), and also because - thanks to the excellent organization - you are given the option to choose a wide number of elective courses, so as to ensure that each student gets the opportunity to delve into the aspects of greatest interest."*

Paola Zezza

Year of Graduation 2018

PhD student, Universitat Politècnica de València (UPV)

Optical biosensors



*“We covered different fields of chemistry and spent a lot of time in lab. I had very good professors who provided me with the knowledge I needed to continue in my research. It is really interesting to study the interaction between matter and light and their current use in industries for alternative energy production methods (solar cells, LEDs, lasers) as well as other optical applications. I also did my dissertation in Germany, an exciting experience that helped me a lot to grow professionally and to improve my English level.”*

# Serena Paolelli



Year of Graduation 2018

Laboratory analyst technician for the characterization of medical devices

TUV SUD, PH labs

*"The undergraduate program in Photochemistry and Molecular Materials, other than providing me with the knowledge of materials chemistry that is valuable for the job I currently hold, has increased my interest in studying, researching, and facing new challenges, key features for my work."*

Leonardo Tarlati

Year of Graduation 2019

Production Quality Control  
Qura S.r.l.



*"Despite the fact that the research project I am involved in has been going on for a few years now, I can say that the degree course has provided me with excellent knowledge to work pro-actively. I would also like to praise the very high level of the professors and the quality of teaching by specifying that this is a degree course where the professors themselves have a network of relationships with the labour world to support students in their future."*



Leonardo Andreoni

Year of Graduation 2019

PhD student, Università di Bologna

Supramolecular chemistry

*"The undergraduate course has prepared me at best to face the PhD course I am attending. In fact, thanks to the lectures and teaching labs, I have obtained a solid preparation in physical chemistry and materials chemistry."*

Irene Papiano

Year of Graduation 2021

**Ph.D. student at the Technical University of Denmark (DTU)**  
New functional water-based 3D printing materials for electronic  
cell culture devices



*“The master’s course in Photochemistry and Molecular Materials allowed me to discover the «hot topics» in the scientific research field and have an overview of the challenges that, as scientists, are called to address. This helped me to understand what I am more interested in and choose the job that most matches my passions”*

Francesco Farinella

Year of Graduation 2013

Solid State scientist  
API development



*"The degree program provides a comprehensive preparation not only for those who wish to pursue the academic career, but also for those who are willing to build a career in various industrial fields, such as energy, environment and health, helping to develop a critical scientific approach. The course has allowed me to acquire deep knowledge in the field of materials chemistry and solid state, fundamental for my professional growth. In addition, the great national and international prestige of the professors offers the possibility of numerous lectures and seminars by foreign professors, ensuring an excellent level of education."*



Gianmaria Fornaia

Year of Graduation 2018

Biocompatibility Assistant, R&D  
Fresenius HemoCare IT

*"The Photochemistry and Molecular Materials degree program succeeds in expanding basic chemistry knowledge with stimulating topics at the forefront of scientific progress. It has given me a way to explore the fascinating world of materials science and turn my interest in this field into my job."*

Luca Bargnesi

Year of Graduation 2021



PhD student, Department of Chemistry «Giacomo Ciamician»,  
University of Bologna

Sustainable and safer electrochemical energy storage devices

*"Despite coming from a bachelor's degree in industrial chemistry, I had no problem catching up on those missing notions to fully understand some of the topics covered. Personally, I really liked both the topics, all of which are cutting edge, and the interdisciplinary nature of the whole course, which helps you to get a broad overview"*



Maria Elena Gino

Year of Graduation 2018

PhD student, Department of Chemistry «Giacomo Ciamician»,  
University of Bologna

Piezoelectric devices for energy harvesting and sensors

*“This degree program provides useful skills in terms of design of new materials and molecules, structure-property relationship and related characterizations, both in photochemistry and in the study of materials. Personally, I find it to be a degree that allows students to look at the future of a 'new chemistry' by prepping him in a natural way to the world of research”*



Federica Ruani

Year of Graduation 2021

PhD student, CNR Bologna

*“With this master degree I obtained a full range of skills in photochemistry and photophysics, that allows me to perform my everyday-job of research and study of molecular systems. I strongly suggest this path for those who want to carry on with an academic career”*

# Giampaolo Lacarbonara

Year of Graduation 2019

PhD student, Department of Chemistry «Giacomo Ciamician»,  
University of Bologna

Materials and interfaces for electrochemical storage of energy  
from renewable sources



*“Hello guys, the MSc course in Photochemistry and Molecular materials has an impressive variety of topics that make you versatile in different areas. If you will continue with a PhD, the course offers you the right mindset to make your research from a critical perspective. Otherwise, this course explores cutting-edge chemical science aspects, which are valuable in various industries. (e. g. materials for biomedical and energetic applications).  
Good Luck”*

# Maria Guerrini

Year of Graduation 2019

**PhD student, University of Pavia**

**Solid state chemistry applied to ceramic sciences for low environmental impact technologies**



*“This master course gave me the chance to learn everything about photochemistry and material chemistry, with solid competences in the inorganic and physical chemistry branches. I learnt how to study and investigate many kind of materials, getting insights on their origin, structure and microstructure, studying and simulating their properties and their interaction with light, together with their development and application.*

*I even had the opportunity to examine in depth new research areas, like molecular crystal engineering or photobiophysics, and to get a complete and profound preparation spacing from theoretical notions up to advanced practical and experimental abilities. Moreover, being the Master course entirely in English, it allowed me to communicate using a proper scientific language with non-Italian scientists and to challenge myself during the final master thesis”*



Irene Carrai

Year of Graduation 2021

PhD student, Department of Physics, University of Bologna  
Bologna

Conversion of solar energy into chemical energy

*“The master degree in Photochemistry and Molecular Materials gave me the tools to face the challenges encountered during my first year of PhD. Even though, I was approaching a scientific problem for the first time, thanks to this master degree I had the method to face and solve it.”*

Angela Dallai

Year of Graduation 2021

PhD student at the University of Bordeaux, (France)

Nonlinear optical properties of monolayers functionalized  
with molecular photoswitches



*“If the field of photochemistry is interesting you, you came in the right place!”*

*This course allows you to build a good and broad knowledge of the photophysical and photochemical processes by means of both experimental and computational tools thanks to high-level teaching”*

# Darina Francesca Picchi

Year of Graduation 2021

PhD student at IMDEA Energy (Madrid)

Nanoscale metal-organic frameworks and magnetic nanoparticles) encapsulating pharmaceutical active ingredients



*“The course program provides a solid background and vast knowledge in a broad innovative field of chemistry. This Master degree allows to acquire not only theoretical skills but also to create different excellent abilities in the laboratory, through practical activities and the final internship. The uniqueness of this course in Europe with its internationalization of the lessons and the interdisciplinary environment allowed me to open myself to experiences abroad with greater serenity, enabling me to acquire a high potential to become an early stage researcher in an excellent research institute”*

Valentina Di Matteo

Year of Graduation 2022

PhD student, Department of Industrial Chemistry, University of  
Bologna



*“I don't regret the fact that I studied in this course. It was strange at first because when I started, it was the first year that the course was held in English, but after a while everyone just felt at ease and it has been a great experience. All competent Professors, various subjects that allow you to have a wide knowledge on photochemistry but also related arguments, thanks to the various additional courses, and the laboratories for the practice. Looking at the work that I'm doing now, I think that both the arguments that I had done during the course and the all in English course has helped me in what I'm doing now”*