

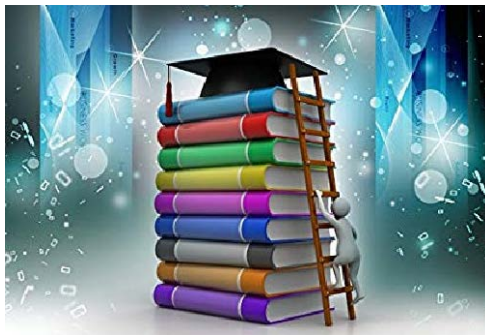


# Opening day

XXXVII CYCLE

PhD in CHEMISTRY and INDUSTRIAL CHEMISTRY

January 19<sup>th</sup> 2022



## PROGRAMME

- 14.00 Welcome address and presentation of PhD courses in Chemistry and Industrial Chemistry
- 14.30 Presentation of the Chemistry Department
- 15.00 Research projects presentation of PhD students in Chemistry
- 16.15 Research projects presentation of PhD students in Industrial Chemistry





UNIVERSITÀ DEGLI STUDI DI MILANO  
DIPARTIMENTO DI CHIMICA

*Opening day*

**XXXVII cycle**

**PhD in Chemistry and Industrial  
Chemistry**

19 January 2022



UNIVERSITÀ DEGLI STUDI DI MILANO  
DIPARTIMENTO DI CHIMICA

PhD students in Industrial Chemistry

*Dottorandi PON*

1. GRAINCA Arian
2. HAGHSHENAS Niloofar
3. LIVOLSI Simone
4. MAVER Daniele
5. RESTA Simonetta
6. SORTI Letizia (Bracco)
7. VITULANO Fiammetta (Bracco)

8. AVOLA Tiziana (A2A)
9. CARBONE Claudia (Bracco)
10. DONATO Emanuela (Chemessentia)
11. MARCOLINI Eleonora (Graniti Fiandre)
12. SCARABATTOLI Letizia (Ilsa)
13. TONSI Giulia (Radici InNova)
14. ZANELLA Elisa (Regas)



UNIVERSITÀ DEGLI STUDI DI MILANO  
DIPARTIMENTO DI CHIMICA

PhD students in Chemistry

1. ANTONINI Giulia
2. BELLOMI Silvio
3. CORFU Alexandra
4. DELL'ACQUA Rosamaria
5. DOLCINI Luigi
6. MAIOCCHI Alice
7. MAURI Luca
8. MOSCATO Davide
9. VANDONE Marco

*Dottorandi PON*

10. BERGOMI Andrea
11. INTINI Niccolò
12. MINELLI Simone
13. ORLANDO Paolo
14. PECORA Dèsirée



# PhDs in Chemistry and Industrial Chemistry

Part of the **LERU (League of European Research Universities)** network, an association of 23 leading research-intensive universities that share the values of high-quality teaching within an environment of internationally competitive research.

*Universities of Amsterdam, Barcelona, Cambridge, Copenhagen, Edinburgh, Freiburg, Genève, Heidelberg, Helsinki, Leiden, KU Leuven, College London, Lund, Milan, Munchen, Oxford, Sorbonne, Paris-Saclay, Strasbourg, Utrecht, Zurich, Imperial College London, Trinity College Dublin*

“We develop and disseminate our views on research, innovation and higher education through policy papers, statements, meetings and events helping to shape policy at the EU level.”

LERU

<http://www.leru.org/index.php/public/about-leru/>





# The LERU Doctoral Summer School

Aims to provide doctoral candidates with unique professional and personal development opportunities. *By creating an exceptional and truly international, intercultural and interdisciplinary meeting of bright young minds*, the Summer School creates a highly stimulating learning experience, of great value to the participants' future careers. **Participants are LERU university PhD candidates who are selected on the basis of a university-wide competition.**

## ***2021: Re-evaluating the Role of the Expert***

On the role of Doctoral Research and Researchers in promoting the importance of the 'Expert' in Europe (Trinity College Dublin, online).

## ***2019: Building Research Capacity and a Collaborative Global Community***

On the importance of collaboration and creation of multi-disciplinary networks (University of Edinburgh)





# General organization

## Teaching board (Collegio dei Docenti) of Chemistry:

31 members of UNIMI and 11 foreign members

## Teaching board (Collegio dei Docenti) of Industrial Chemistry:

26 members of UNIMI and 12 foreign members

Organization of teaching activity and decisions on issues related to the courses.

### Course in Chemistry

#### Coordinator:

Prof. Daniele Passarella

daniele.passarella@unimi.it

tel: 14081

### Course in Industrial Chemistry

#### Coordinator:

Prof. Dominique Roberto

dominique.roberto@unimi.it

tel: 14399

***Contact us for any problem***





# Goal of PhD programme

The main goal of both PhD programmes in Chemistry and Industrial Chemistry is to form outstanding scholars for *careers in teaching and research in leading Academic Institutions and Industries*. This will be realized by expanding your knowledge of chemistry and, in the meantime, developing your ability for



*critical analysis*



*creativity*



*independent study*

*This goal will be reached through the interdisciplinary training acquired during your PhD studies.*







# General information

**Programme duration:** three years

**Number of credits to be acquired:** **180 CFU**

**Allocation of credits:**

1. Research activity: **136 CFU**
2. Courses: **12 CFU minimum (specialist courses)**  
**18 CFU (72 h, soft skills)**
3. Other activities: **14 CFU**





# Specialist courses: 12 CFU/three years

The University Catalogue lists specialist courses to be included in your individual study plan. All students enrolled in the PhD programmes of the University of Milan can access the Catalogue.

Courses organized by the teaching board for PhD students in Chemistry and Industrial Chemistry in the following scientific areas:

- ✓ **Inorganic Chemistry**
- ✓ **Organic and Pharmaceutical Chemistry**
- ✓ **Physical Chemistry**
- ✓ **Theoretical Chemistry**
- ✓ **Analytical Chemistry**
- ✓ **Industrial Chemistry**





# Specialist courses: How to enroll

**Follow the indications at the links:**

<https://www.unimi.it/en/education/postgraduate-programmes/doctoral-programmes-phd/phd-courses-list>

<https://www.unimi.it/it/corsi/corsi-post-laurea/corsi-di-dottorato-phd/catalogo-degli-insegnamenti-la-formazione-dottorale>

**Remember**, the course enrolment deadline is usually the **25th day of the month prior to the start date**. More specifically:

- **27 December 2021** for courses starting in **January 2022**
- **25 January 2022** for courses starting in **February 2022**
- **25 February 2022** for courses starting in **March 2022**

**Calendar 2021-2022** (PhDs in Chemistry and Industrial Chemistry):

<http://www.chimica.unimi.it/ecm/home/didattica/dottorati/dottorato-in-chimica/offerta-didattica-2021-2022>

<http://www.chimica.unimi.it/ecm/home/didattica/dottorati/dottorato-in-chimica-industriale/offerta-didattica-2021-2022>



# Courses on soft skills (Competenze trasversali)

Scientific research requires additional technical and relational skills on top of disciplinary skills to be acquired in a PhD programme.

UNIMI provides, for PhD students in all academic areas, a wide range of cross-curricular courses like:

- ✓ Language and communication fields (Academic English)
- ✓ Research grants (European funding programmes)
- ✓ Intellectual property protection (Patents)
- ✓ Open science
- ✓ Placement and job market ..... and other topics

No registration, unless otherwise indicated by the teacher.

Indications are sent to you by **e-mail** from the competent office  
([phd.transferableskills@unimi.it](mailto:phd.transferableskills@unimi.it))

<https://www.unimi.it/en/study/postgraduate-study/doctoral-research-phd-programmes/following-your-plan-study/soft-skills>

<https://www.unimi.it/it/studiare/frequentare-un-corso-post-laurea/dottorati-di-ricerca-phd/seguire-il-percorso-di-studi/competenze-trasversali>





# Other activities: 14 CFU/three years

## 1. Presentation of research reports (oral and written) at the end of each year

on the results of the research activity :

- **Written report**, presented to the teaching board each year
- **Oral presentation** (15 mn) at MeetMeOnChem (1<sup>st</sup> and 2<sup>nd</sup> years)
- **Oral presentation** (25 mn) in front of the teaching board (3<sup>rd</sup> year)

2 CFU/year ➡ 6 CFU in 3 years

## 2. Participation to at least **two** scientific congresses or schools for PhD students, presenting results of the scientific research (usually, 2<sup>o</sup> and 3<sup>o</sup> years).

2 CFU each for a maximum of 4 CFU

## 3. Participation to seminars organized by the Department (Chemist's Interactions)

6 seminars/year ➡ 2 CFU in 3 years

## 4. Support activity to diffusion and promotion of chemistry within non-academic communities (PLS activities, organized by *Commissione Orientamento* of the Department of Chemistry; reference prof. Alessandra Silvani)

12 h in 3 years ➡ 2 CFU in 3 years





# An interesting initiative



These are scientific seminars organized by the Department of Chemistry

(organizers: Prof. [Luca Pignataro](#), Prof.ssa [Valentina Colombo](#), Prof.ssa [Valentina Pifferi](#))

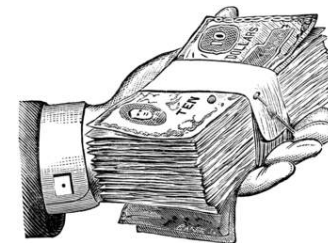
There is one seminar by month (details are on the website of the Department of Chemistry). Each year you have to follow at least six of them.

**If you want, you can propose some professor as invited speaker!**





# Economics



**Salary:** 16.350,00 €/year, paid monthly upon certification of your activity.

**Research period abroad:** salary increased of 50% for periods longer than 1 month and for a maximum of 18 months.

The research period abroad must be endorsed by the Tutor and the Teaching Board.

*At least 3 months in another country of the European Union*

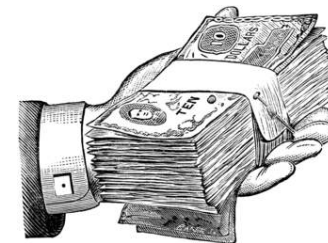


*Doctor Europaeus title*





# Economics



**Funds for research:** you will receive **1650 €/year** to support your **second and third year** activity.

This money can be used for:

- ✓ **research expenses (reagents, glassware, analysis);**
- ✓ **participation to congresses or schools;**
- ✓ **trip expenses when you go in mission;**
- ✓ **preparation/printing of your thesis.**

Participation to meetings and periods abroad should be authorized by the Coordinator.







# Contacts

PhD Chemistry: Prof. Daniele Passarella  
[daniele.passarella@unimi.it](mailto:daniele.passarella@unimi.it); tel: 14081

PhD Industrial Chemistry: Prof. Dominique Roberto  
[dominique.roberto@unimi.it](mailto:dominique.roberto@unimi.it); tel: 14399

Web site

<http://www.chimica.unimi.it/ecm/home/dottorati>

For information see also:

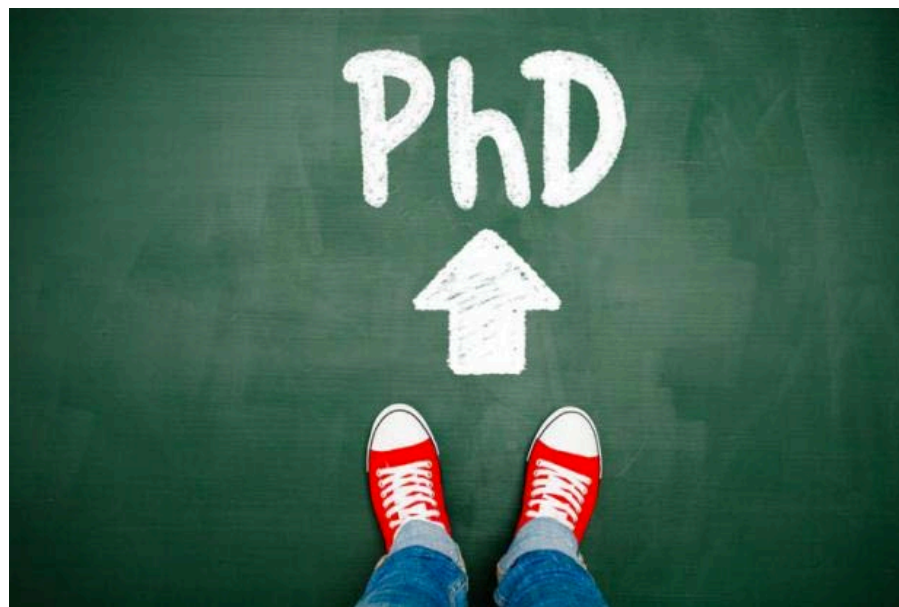
<https://www.unimi.it/it/corsi/corsi-post-laurea/corsi-di-dottorato-phd>

<https://www.unimi.it/en/education/postgraduate-programmes/doctoral-programmes-phd>





# Have a nice and challenging PhD time!!





# Presentation of the Chemistry Department

**Prof. Laura Prati**  
*(Director)*





# Doctorate course in Chemistry

## *Schedule for presentations*

### XXXVII CYCLE

1. DOLCINI Luigi
2. ANTONINI Giulia
3. BELLOMI Silvio
4. CORFU Alexandra
5. DELL'ACQUA Rosamaria
6. MAIOCCHI Alice
7. MAURI Luca
8. MOSCATO Davide
9. VANDONE Marco
10. BERGOMI Andrea
11. INTINI Niccolò
12. MINELLI Simone
13. ORLANDO Paolo
14. PECORA Desiree





# Doctorate course in Industrial Chemistry

## *Schedule for presentations*

### **XXXVII CYCLE**

1. GRAINCA Arian
2. HAGHSHENAS Niloofar
3. LIVOLSI Simone
4. MAVER Daniele
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10. DONATO Emanuela
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12. SCARABATTOLI Letizia
13. TONSI Giulia
14. ZANELLA Elisa

