

PhD course in Life Sciences and Biotechnology

Teaching Activities 2025-2026: seminars & courses schedule

Please note: the teaching activities will be held in presence. The Teams links will be provided only upon request and for motivated reasons.

The teaching activities calendar will be updated throughout the year with dates and times. You will find the updated version on the PhD Course website, so please check it out.

Here you will find the schedule of the coming online lectures and seminars:

November 2025

- | | |
|------------------------------------|---|
| Fri 7 th , 14:30-16:30 | Trends in Biomolecular Sciences – Next generation OMICS and system biology
(0.25 CFU) – organized by P. Campomenosi

“The Natural History Museum: where past meets future”
Piotr Cuber, Natural History Museum, London (UK) |
| Thu 13 th , 14:00-16:30 | Free choice seminars
(0.25 CFU) – organized by F. Marinelli & F. Berini

“What is genomics changing in natural product discovery? Concepts, logic and approaches”

“Which is the biosynthetic logic governing the biosynthesis of antibiotics? the glycopeptide case”
Oleksandr Yushchuk, Ivan Franko National University of Lviv, Ukraine |

NB: The seminars are organized as part of the activities of the Pharmaceutical Biotechnology course within the BBHI Master’s Degree Program. Please note that after the seminars, Prof. Yushchuk will be available to meet with PhD students, postdocs, and anyone interested in the following topic: “Methods related to antiSMASH and MIBiG: integrated platforms for biosynthetic gene cluster discovery and analysis, and comparative genomics approaches in bacterial systematics.”

December 2025

- | | |
|------------------------------------|---|
| Wed 3 rd , 14:30-16:30 | Trends in Biomolecular Sciences – Molecular mechanisms in health and disease
Trends in Biomedical Sciences – Biomarkers and translational research in human pathology
(0.25 CFU) – organized by P. Campomenosi

“Stochasticity in cellular translation: opening and closing (a) Pandora’s box”
Alberto Vianelli, Università dell’Insubria |
| Tue, 9 th , 14:30-16:30 | Trends in Biomolecular Sciences – Microbial Biotechnology: trends and applications
(0.25 CFU) – organized by F. Marinelli & F. Berini

“to be defined”
Andrew Truman |

January – May 2026

Trends in Biomedical Sciences – Molecular targets and precision medicine
(1.25 CFU) - organized by P. Battaglia

“ENTER Seminars in Ear, Nose and Throat surgery”

Mario Turri Zanoni, Università degli Studi dell’Insubria and other speakers

NB: the program is being defined, you will find it in pdf format on the PhD web page in the “Teaching activity” section (at the top, Document, ENTER.pdf).

January 2026

To be defined

Course on safety and good practice in the laboratory (min 1 CFU)

Università degli Studi dell’Insubria

NB: participation in this course is strongly recommended, especially for the XL cycle students. A certificate will be issued at the end of the course

To be defined

Bioinformatics & Biostatistics for biomedical applications

Proposta di corso Veronesi + Garfagna (DMC – prof. Manuela Viola)

28th 14.30-17.30

Trends in Biomolecular Sciences – Advanced plant systems: biology, biotechnology and environmental applications

(0.5 CFU) – organized by C. Vannini & A. Montagnoli

Unveiling the ‘joint venture’ between plants and mycorrhizal fungi

Prof. Douglas Godbold (Mendel University in Brno- Czech Republic) and Prof. Alessandra Salvioli Di Fossalunga (University of Turin – Italy)

February 2026

3rd - 25th, 14:30-17:30

BIostatISTICS (3 CFU) – every Monday and Tuesday,

Giorgio Binelli, Università degli Studi dell’Insubria

NB: This course is mandatory and scheduled for the XLI cycle students

To be defined

Introduction to Systems Biology - (1.5 CFU)

Mauro Fasano, Università degli Studi dell’Insubria

NB: these courses are borrowed from the PhD in Experimental and Translational Medicine and will provide credits for both the Trends in Biomolecular Sciences – Next generation OMICS and system biology and Trends in Biomedical Sciences -Biomarkers and translational research inhuman pathology courses

March 2026

To be defined

Cross-Disciplinary and Soft Skills – module A and B

(0.5 + 0.5 CFU) – organized by E. Rosini

“AI in scientific research: Tools, expertise, and scientific insight”

Lorenza Moscarella, Formazione Comunicazione & Life skills

To be defined

Trends in Biomolecular Sciences – Molecular mechanisms in health and disease

(0.5 CFU) – organized by S. Sacchi, E. Bossi, T. Rubino

“Brain in Flux: Neurochemical Dynamics and Dysfunction”

To be defined

NB: this is a joint activity organized in collaboration with the PhD program in Experimental and Translational Medicine

March-June 2026

To be defined

Transversal activities

Innovation camp – Multidisciplinary activity organized by the PhD School

(2.5 CFU) - Mauro Fasano, Executive Deputy Chancellor Knowledge valorization, University of Insubria

Please note: A brief description of the planned activities is available on the PhD web page, while the program of the scheduled lectures and meetings will be available as soon as defined. The attendance of this activity is strongly suggested.

April 2026

To be defined

Trends in Biomolecular Sciences – Microbial Biotechnology: trends and applications

(0.25 CFU) – organized by V. Orlandi

“Biofilm di Escherichia coli”

Paolo Landini, Direttore del Dipartimento di Scienze, Università degli Studi di Milano, La Statale

To be defined

Trends in Biomedical Sciences – Molecular mechanisms in health and disease

(0.5 CFU) organized by R. Gornati

“Mesenchymal Stem Cells and Their Derivatives: Recent Advances in Biomedical Applications”

Ludovica Barone, Università degli Studi dell’Insubria

May 2026

To be defined

Trends in Biomedical Sciences – Cancer biology and target therapeutics

(0.25 CFU) – organized by J. Karousou

“Extracellular matrix and tumors: from 2D to 3D cell cultures and role of scaffolds”

Zoi Piperigkou, Laboratory of Biochemistry, Department of Chemistry, University of Patras, Greece

To be defined

Transversal skills – Module C: Crosslinking academia and industry for the creation of new professional opportunities – organized by, S. Sacchi e E. Rosini

Cerbios

CENTROCOT

Bict

June 2026

23rd-27th, 9:30-13:30

Cross-Disciplinary and Soft Skills – module B

(2.5 CFU) – organized by Antonello Montagnoli

“Data analysis by R”

June 23 - Lesson 1: Introduction to R

June 24 - Lesson 2: Linear models 1 - Data exploration

June 25 – Lesson 3: Linear models 2 - Model fitting

June 26 - Lesson 4: Special cases of linear models - Generalized and mixed models

June 27 - Lesson 5: Practical work with own data

Enrique Andivia, Department of Biodiversity, Ecology and Evolution, Faculty of Biological Sciences, Universidad Complutense de Madrid

July 2026

To be defined **Cross Disciplinary and Soft Skills – Module C**
(0.5 CFU) organized by M. Viola
“Seminario accreditamenti”

September 2026

Wed 16th, 14.30-18.30 **Molecular Photoswitches**
“Principles and Design for Biomedical Applications”
“Molecular Photoswitches in Action: Insights from Our Research”
Carlo Matera, università degli Studi di Milano, La Statale

22nd-24th, 14:00-18:00 **Cross-Disciplinary and Soft Skills – module B**
(2.5 CFU) – organized by Silvia Sacchi and CRIETT
“Corso di microscopia confocale”
Miriam Ascagni, UNITEC No limits, Università degli Studi di Milano, La Statale
Maurizio Abbate
Tecnici CRIETT

October 2026

To be defined **Trends in Biomolecular Sciences – Molecular mechanisms in health and disease**
(0.25 CFU) – organized by S. Sacchi
“Biomolecular interaction analysis in basic and applied research”
Luciano Pirone, Istituto di Biostrutture e Bioimmagini, CNR, Napoli

To be defined **To be defined**
(0.5 CFU) – organized by G. Tettamanti
“To be defined”
Christoph C. Tebbe, professore alla Technical University of Braunschweig
Vice Chair del panel Genetically Modified Organisms presso la European Food Safety Authority (EFSA)