

# Course for Ph.D. students 40<sup>th</sup> cycle (Nov 2024 – Oct 2027)

## Protein therapeutics: production, chemical modification and evaluation of their functional properties (2 ECTS)

**Proff. Stefano Bruno – Stefano Bettati – Luca Ronda**

University of Parma

*Course language: **English***

*Approximative scheduling: February - April 2025*

*The exact date and time will be announced by e-mail and on the website in the page “Active courses” for each session.*

*To attend the course please contact:*

*Prof. Stefano Bruno ([stefano.bruno@unipr.it](mailto:stefano.bruno@unipr.it))*

### **Course description**

*Expression of protein therapeutics: choice of host cells, principles of expression vectors*

- *Purification of protein therapeutics*
- *Chemical modification of protein therapeutics: chemistry and*
- *biological effects*
- *Evaluation of the functional properties of protein therapeutics by*
- *Spectroscopic techniques*

*At the end of the first meeting, one or more research papers on topics covered by the course will be assigned to each student and will be discussed at the second meeting.*