

PERSONAL  
INFORMATION

Isabella Guardamagna



WORK EXPERIENCE

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December 2015 – October  
2016

Post-graduated volunteer

2010 - 2013 Curricular laboratory activity

- Microbiological laboratory (using specific and selective media for bacterial cultures, antibiogram with dilution techniques, Kirby-Bauer and E-test, inoculation of bacteria in liquid media).
- Medical Genetics Laboratory (use of online data bases, es.Pubmed ).
- Immunology laboratory (trypan blue staining, cell counts with the Burker Chamber, immunofluorescent staining and observation, analysis of DNA on agarose gel, dosage of protein, analysis by Western Blot).
- Drugs analysis laboratory (calibration curve and quantitative determination by HPLC, the Van Deemter equation).
- Pharmaceutical Technology laboratory (particle size analysis, densitometric analysis, scroll and wettability of a powder, dissolution test, analysis of tablets, emulsions preparation).
- Organic Chemistry laboratory (crystallization of an acid and determining the melting point, fractional distillation of ethanol from wine, extraction of essential oils by distillation in steam current, aspirin synthesis, saponification of a fat, extraction of pigments from green leaves and column chromatography separation).
- Inorganic Chemistry Laboratory (Acid-base titration, construction of the titration curve and determination of dissociation constant, kinetic study of the oxidation of an ion, spectrophotometric determination of iron content and water in an unknown sample, separation by chromatography of amino acids thin layer).

## EDUCATION AND TRAINING

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- October 2016 **PhD in Genetics, molecular and cellular Biology.**  
University of Pavia
- June 2016 **Passed the government exam and licensed as a profession biologist**  
University of Pavia
- 2013 - 2015 Master's degree (2 years) LM-9  
University of Pavia  
Molecular Medicine Department  
**MASTER DEGREE IN MEDICAL AND  
PHARMACEUTICAL BIOTHECNOLOGY**
- 2010 - 2013 Bachelor's degree (3 years) L-2  
University of Pavia  
**BIOTHECNOLOGY DEGREE**

Title: Bioinformatic analysis of "small non-coding RNA sequences" for the identification of new miRNAs.

Supervisor: Prof.ssa Enrica Capelli

## PERSONAL SKILL

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Mother tongue **Italian**  
Other languages


Organisational /  
managerial skills

Excellent organizational skills, independence and autonomy; ability to work in teams and great attention to detail; good flexibility and adaptability according to the proposed objectives; good learning speed.

Digital competence

- Microsoft Office tools.
- Online database (pubmed).
- Online software (RNA fold).

Driving licence **B**

## ADDITIONAL INFORMATION

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**Publications** O. Cazzalini, P. Perucca, I. Guardamagna, R. Mocchi, S. Sommatris, E. Prospero, L. Stivala. **DDB2 Mutant Protein Unable to Interact with PCNA Influences Cell Cycle Progression.**  
The American Journal of Pathology, Vol. 186, Supplement, October 2016

**Personal Data** I authorize the use of my personal data pursuant to Legislative Decree 30 June 2003 n. 196 "Code concerning the protection of personal data". I certify that the information in this Curriculum Vitae is true under Presidential Decree 445/2000.

CV update in November 2016  
In faith