

# CLAUDIA FORAY

Cell: +393475491398 – claudia.foray@gmail.com

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## PROFESSIONAL SUMMARY

Researcher practiced in cell-based assays, molecular biology and genetics, as well as mice colony keeping and in-vivo experiments

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## SKILLS

- Skilled in rodents handling and in-vivo procedures
- DNA and RNA isolations and analysis knowledge
- Cell culture knowledge
- Skilled in IHC and microscopy
- Protein isolation and analysis knowledge
- Flow cytometry knowledge
- Basic knowledge of genome editing using CRISPR technique

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## WORK HISTORY

3/2017 to 5/2017 Research associate 2-B/H

Ohio State University – 460 west 12<sup>th</sup> Avenue 43210 Columbus, OH

- I was part of a project in the field of cancer biology that consists in developing a new humanized antibody to be used as a targeting molecule for cancer cells and a possible theranostic tool for cancer therapy.

01/2015 to 3/2017 Visiting Scholar

Ohio State University – 460 west 12<sup>th</sup> Avenue 43210 Columbus, OH

- I conducted basic research in the field of cancer biology
- I worked on different projects investigating the role of specific proteins involved in RNA-splicing, autophagy and drugs resistance both in-vitro and in-vivo
- I have improved my skills and learned different techniques such as flow cytometry, proteins' analysis, cell culture and primary cell lines generation (MEFs)

06/2013 to 12/2014 Research fellow

IRRCS Institute for Pharmacological Research Mario Negri – Milan

- I joined the bio-imaging unit among the cardiovascular department after having obtained my Master's degree and I was in charge of performing microscopy analysis using the Transmission Electron Microscope
- I acquired experience in the bio-imaging field, starting from the preparation of samples, both tissues and industrial materials, to their analysis using TEM
- I completed different projects and the papers of these studies are currently under review
- I have also collaborated with one of the group of the cardiovascular department, teaching them how to do brain dissection in pigs model of cardiac arrest while they were studying the physiopathology of this disease

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03/2012 to 06/2013 Intern

IRCCS Institute of Pharmacological Research Mario Negri – Milan

- I was part of the Neurobiology of Prion diseases laboratory among the Neuroscience department and I have chosen to spend a year in this unit in order to develop my Master's thesis project. I was studying prion diseases *in vivo* using mouse models
  - I gained experience in molecular biology and genetics as well as in mice handling and also a lot of knowledge in basic research techniques such as PCR, genotyping, Real-Time PCR and immune-histochemistry assays
  - I learned how to work in a laboratory environment both alone and as a part of a team.
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## EDUCATION

2010

**Bachelor of Science: Biotechnology**

University of Milano-Bicocca, Milan Italy

2013

**Master of Science: Biology – physiopathology**

University of Milano-Bicocca, Milan Italy

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## PUBLICATIONS And ABSTRACTS

- *Diomedea L et al. A novel mechanism of mitochondrial damage underlies cardiac amyloidosis.* [currently under review]
  - *Gelosa et al. Fenofibrate Attenuates cardiac and renal alterations in saltloaded SHRSP through mitochondrial protection.* [currently under review]
  - *Palmieri et al. Ran Binding Protein 9 (RanBP9) is a novel mediator of cellular DNA damage response in lung cancer cells.* Oncotarget 2016
  - *Diomedea et al. Investigating heart-specific toxicity of amyloidogenic immunoglobulin light chains: a lesson from C. elegans* Worm. 2014
  - *Rognoni et al. Reactive oxygen species drive the toxicity of human amyloidogenic light chain proteins in Caenorhabditis elegans* [The XIVth International Symposium on Amyloidosis - 27 April – 1 May 2013 Indianapolis, Indiana, USA]
  - *Fumagalli et al. Relationship between duration of untreated cardiac arrest and neurological dysfunction and injury in a porcine model of cardiac arrest and CPR* [American Heart Association]
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## LANGUAGES

Mother-tongue: ITALIAN

ENGLISH: fluent in spoken and written. TOEFL: 103/120