# Carmela Morrone

Phd Student - Molecular and Cell Biology, Pathology, Biochemistry

## Proficiencies

### Animal Model Working

Ex Vivo Lung Perfusion (EVLP); Orthotopic Murine Left Lung Transplantation; Mouse intubation; Blood and broncho-alveolar lavage fluid (BAL) collection; Tissue and organs harvesting; tissue processing.

### Staining

Masson Trichrome; Hematoxylin and Eosin; Giemsa and May Grünwald; Immunofluorescence; Immunohistochemistry; Live-imaging. Imaging via Confocal and regular light Microscope.

### Molecular and Cell Biology

Western Blot; SDS-PAGE; Protein isolation from tissue and cells; kinetic enzymatic assay; FRET-probe based protease activity assay; RNA interference; Cell culture; Agarose and polyacrylamide Electrophoresis; Real Time RT-PCR; Cell Count; Nucleic acid extraction from blood and other biological fluids; Preparation of plasma, serum and BAL (broncho-alveolar lavage); ELISA assays (manual and semi-automatic).

### Chemistry

SPS (solid phase synthesis), manual and automatic; Purification by Reverse Phase HPLC; Quantify by Spectrophotometer

## Education

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| 2011 – 2013 | Master Degree<br>Molecular Biology<br>University of Parma, Italy |
| 2008 – 2011 | Bachelor Degree<br>University of Calabria, Italy |
| 2008 – 2010 | Secondary School<br>American School of Dubai, Dubai UAE |
| 2007 – 2008 | Secondary School<br>American School of Paris, Saint-Cloud FR |


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## Extra Curricular Activities

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|---|---|
| 2015 | Journey Canadian Tour<br>Shadow Security Services |
| 2015 | Bonnie Raitt<br>Shadow Security Services |
| 2014 | Freak Show Haunted Wharf<br>Murphy's The Cable Wharf |
| 2010 | Big Brother Program<br>American School of Dubai |
| 2010 | Beach Blast for children with disability<br>American School of Dubai |

## Communication skills

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|---|---|
| English | Native speaker |
| French | Oral: intermediate; written: poor |

## Achievements

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| 2015 | Bachelors Degree |
| 2011 | Honor Roll |
| 2010 | Eastern Mediterranean Volleyball Champions |
| 2010 | Honor Roll |
| 2010 | District Coastal Conference Volleyball Champions |

## Computer skills

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| Good level | Microsoft Office, email, social networking |
| Basic level | GitHub, HTML |