

## CURRICULUM VITAE ET STUDIORUM

Name: Ilaria Unali

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Mother tongue: Italian

Foreign Languages : English (C1), Spanish, Portuguese

## EDUCATION AND TRAINING

### Phd Student

01/10/2018 - Present

University of Verona, Verona (Italy)

Main subject: microbiology, antibiotic resistance, phage therapy.

Techniques: microbiology routine, pulsed-field gel electrophoresis, PCR, Mic, DNA extraction and purification, biofilms, phage isolation and characterization etc.

Internship of 3 months at the University of Minho in Braga, Portugal.

### Master's degree in Molecular and Medical Biotechnology

10/2016 – 07/2018

University of Verona Verona, Verona (Italy)

Thesis title: "Branched-chain aminoacid-enriched mixture (BCaa-EM) ameliorates spinal cord injury outcome"

Tutor: Prof. Ilaria Decimo

Graduated with 110/110 cum laude.

### Trainee Student

01/10/2017 – 13/07/2018

Department of Pharmacology, Verona (Italy)

I mainly focused on spinal cord injury and possible novel therapies.

Laboratory animal care and in vivo experiments including spinal cord injury surgery procedures, cardiac perfusion, spinal cord extraction)

Tissue preparation and cryosectioning

Confocal microscopy

Immunofluorescence and histochemical techniques

Cell culture

### Trainee Student

01/07/2015 – 28/08/2015

International Centre for Genetic Engineering and Biotechnology, New Delhi (India)

I worked in the research group of Raj K Bhatnagar mainly focusing on plant's insect resistance, but also on malaria and chikungunya fevers. Most used techniques: Viral RNA isolation, Total RNA

isolation, RT-PCR, SDS-PAGE, Protein expression and purification, Purification of high-copy plasmid

DNA from E.coli using Miniprep protocol, Cloning, Colony PCR, Microinjections of E. coli in

Helicoverpa Armigera.

### Bachelor's degree in Biotechnology

09/2013 – 10/2016

University of Sassari, Sassari (Italy)

Thesis title: "Characterization of entomopathogenic bacteria and their toxins".

Tutor: Prof. Luca Ruii

Graduated with 110/110.